

AGENDA

REGULAR MEETINGS OF THE SANTA FE SPRINGS
HOUSING SUCCESSOR
SUCCESSOR AGENCY
AND CITY COUNCIL

April 5, 2022 6:00 P.M.

John M. Mora, Councilmember Jay Sarno, Councilmember Juanita Trujillo, Councilmember Joe Angel Zamora, Mayor Pro Tem Annette Rodriguez, Mayor

> Council Chambers 11710 Telegraph Road Santa Fe Springs, CA 90670

You may attend the City Council meeting telephonically or electronically using the following means:

<u>Electronically using Zoom:</u> Go to Zoom.us and click on "Join A Meeting" or use the following link:

https://zoom.us/j/521620472?pwd=U3cyK1RuKzY1ekVGZFdKQXNZVzh4Zz09

Zoom Meeting ID: 521620472 Password: 659847 **Telephonically:** Dial: 888-475-4499 Meeting ID: 521620472

Public Comment: The public is encouraged to address City Council on any matter listed on the agenda or on any other matter within its jurisdiction. If you wish to address the City Council, please use the "Raise Hand" function via Zoom once the Mayor opens Public Comment during the meeting. You may also submit comments in writing by sending them to Clerk's Office City cityclerk@santafesprings.org. ΑII written comments received by 12:00 p.m. the day of the City Council Meeting will be distributed to the City Council and made a part of the official record of the meeting. Written comments will not be read at the meeting, only the name of the person submitting the comment will be announced.

Pursuant to provisions of the Brown Act, no action may be taken on a matter unless it is listed on the agenda, or unless certain emergency or special circumstances exist. The City Council may direct staff to investigate and/or schedule certain matters for consideration at a future City Council meeting.

Americans with Disabilities Act: In compliance with the ADA, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the City Clerk's Office. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

<u>Please Note:</u> Staff reports, and supplemental attachments, are available for inspection at the office of the City Clerk, City Hall, 11710 E. Telegraph Road during regular business hours 7:30 a.m.-5:30 p.m., Monday-Thursday and every other Friday. Telephone: (562) 868-0511.

1. CALL TO ORDER

2. ROLL CALL

John M. Mora, Councilmember Jay Sarno, Councilmember Juanita Trujillo, Councilmember Joe Angel Zamora, Mayor Pro Tem Annette Rodriguez, Mayor

3. INVOCATION

4. PLEDGE OF ALLEGIANCE

PUBLIC COMMENTS This is the time when comments may be made by members of the public on matters within the jurisdiction of the City Council, on the agenda and not on the agenda. The time limit for each speaker is three minutes unless otherwise specified by the Mayor.

HOUSING SUCCESSOR

6. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Housing Successor.

Minutes of the March 1, 2022 Housing Successor Meeting (City Clerk)

Recommendation:

Approve the minutes as submitted.

SUCCESSOR AGENCY

7. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Successor Agency.

Minutes of the March 1, 2022 Successor Agency Meeting (City Clerk)

Recommendation:

Approve the minutes as submitted.

CITY COUNCIL

8. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the City Council.

a. Minutes of the March 1, 2022 Regular and Special City Council Meetings (City Clerk)

Recommendation:

Approve the minutes as submitted.

A Resolution of the City Council Reaffirming the Existence of a Local Emergency
 <u>Due to the Threat of COVID-19 (pursuant to Government Code section 8630) (City Attorney)</u>

Recommendation:

- Adopt Resolution No. 9775:
 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA, REAFFIRMING THE EXISTENCE OF A LOCAL EMERGENCY DUE TO THE THREAT OF COVID-19.
- c. <u>A Resolution of the City Council Affirming Authorization of Remote Teleconference</u> Meetings (City Attorney)

Recommendation:

- Adopt Resolution No. 9776:
 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS AFFIRMING THE LEGALLY REQUIRED FINDINGS TO AUTHORIZE THE CONDUCT OF REMOTE TELECONFERENCE MEETINGS DURING A STATE OF EMERGENCY.
- d. <u>Town Center Plaza Parking Lot Improvements Project Final Payment (Public Works)</u>

Recommendation:

- Approve the final payment to Los Angeles Engineering, Inc. of Covina, California, in the amount of \$21,813.90 (Less 5% Retention) for the subject project.
- e. <u>Paratransit User Subsidy Program Management Agreement between the Cities of Santa Fe Springs and Norwalk Approval of Agreement (Public Works)</u>

Recommendation:

- Approve the Management Agreement between the Cities of Santa Fe Springs and Norwalk; and
- Authorize the City Manager to execute the agreement with the City of Norwalk for a period of five years.
- f. <u>Authorize the Purchase of a 3-year Support Agreement, Providing Web Security, Email Protection and Archival Services (Finance)</u>

Recommendation:

- Authorize the purchase of a 3-year support agreement from GovConnection, Inc. providing web security, email protection, and archival services by piggybacking off of the Region 4 Education Service Center Contract #R210402.
- Authorize the Director of Purchasing Services to issue a purchase order in the amount of \$43,578.93.

PUBLIC HEARING

9. Consideration of an appeal of Development Plan Approval Case No. 980 and related Environmental Documents (Initial Study/Mitigated Negative Declaration and Mitigation

Monitoring and Reporting Program) (Planning)

Recommendation:

- Consider the information presented in this report, including all of the attachments, which collectively provide the necessary background and context; and
- Open the Public Hearing and receive any comments from the public regarding this appeal matter and, thereafter, close the Public Hearing; and
- Deny the appeal by Supporters Alliance for Environmental Responsibility
- Adopt Resolution No. 9774
 - a. Adopting the Initial Study/Mitigated Negative Declaration with Traffic Study (MND) which shows that there is no substantial evidence that the proposed project will have a significant adverse effect on the environment that cannot be mitigated and Mitigation Monitoring and Reporting Program (MMRP); and
 - b. Approving Development Plan Approval Case No. 980, subject to the conditions of approval as contained within Resolution No.190-2021.

NEW BUSINESS

Police Services Center Carpet Replacement Project – Authorize the purchase of Milliken Carpet and Installation/Site Work Services by piggybacking off Omnia Partners Contract Number 2020002150 (Public Works)

Recommendation:

- Authorize the Director of Purchasing to issue a purchase order in the amount of \$61,343.88 for the carpet replacement and installation/site work services utilizing the Omnia Partners Contract Number 2020002150.
- Authorize the Purchase of One (1) Cut-Away Bus by Piggybacking off the California
 Association for Coordinated Transportation (CALACT) Morongo Basin Transit Authority
 (MBTA) Vehicle Purchasing Cooperative Contract No. 20-01 AZ (Finance)

Recommendation:

- Authorize the purchase of (1) New Ford E-450 Cut-Away Bus from A-Z Bus Sales by piggybacking off of CALACT/MBTA cooperative contract No. 20-01 AZ
- Authorize the Director of Purchasing to issue a purchase order in the amount of \$97,749.26.
- 12. Adoption of Resolution No. 9773 Dissolving the Sister City Advisory Committee (Community Services)

Recommendation:

• Adopt Resolution No. 9773 dissolving the Sister City Advisory Committee.

13. PRESENTATIONS

- a. Proclamation Proclaiming April as Donate Life Month (City Manager's Office)
- b. Recognition of 5K Fun Run Sponsors (Community Services)

14. CITY MANAGER'S AND EXECUTIVE TEAM REPORTS

15. APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS

16. COUNCIL COMMENTS

17. CLOSED SESSION

CONFERENCE WITH REAL PROPERTY NEGOTIATORS

(Pursuant to California Government Code Section 54956.8)

Property: APN No. 8009-007-930 (southwest of Telegraph Road and Norwalk Blvd.)

Agency negotiator: City Manager, Planning Director Negotiating parties: Westland Real Estate Group

Under negotiation: Price and terms

18. CLOSED SESSION

PUBLIC EMPLOYMENT

(Pursuant to California Government Code Section 54957(b)(1))

TITLE: City Manager Evaluation

19. CLOSED SESSION REPORT

20. ADJOURNMENT

I, Janet Martinez, City Clerk for the City of Santa Fe Springs, do hereby certify under penalty of perjury under the laws of the State of California, that the foregoing agenda was posted at the following locations; City's website at www.santafesprings.org; Santa Fe Springs City Hall, 11710 Telegraph Road; Santa Fe Springs City Library, 11700 Telegraph Road; and the Town Center Plaza (Kiosk), 11740 Telegraph Road, not less than 72 hours prior to the meeting.

Janet Martinez, CMC, City Clerk

March 30, 2022
Date Posted

FOR ITEM NO. 6 PLEASE SEE ITEM NO. 8A

FOR ITEM NO. 7 PLEASE SEE ITEM NO. 8A

City Council Meeting

April 5, 2022

CONSENT AGENDA

Minutes of the March 1, 2022 Special and Regular City Council Meetings

RECOMMENDATION(S)

Approve the minutes as submitted.

BACKGROUND

Staff has prepared minutes for the following meetings:

- Special City Council Meeting of March 1, 2022
- Regular City Council Meeting of March 1, 2022

Staff hereby submits the minutes for Council's approval.

Raymond R. Cruz City Manager

Attachments:

- 1. March 1, 2022 Special Meeting Minutes
- 2. March 1, 2022 Regular Meeting Minutes

Report Submitted By: Janet Martinez, City Clerk/

Fernando Munoz, Deputy City Clerk

Date of Report: March 30, 2022



MINUTES OF THE SPECIAL MEETING OF THE CITY COUNCIL

March 1, 2022

1. CALL TO ORDER

Mayor Rodriguez called the meeting to order via teleconference at 5:02 p.m.

2. ROLL CALL

Members present: Councilmembers Mora, Sarno, Trujillo, Mayor Pro Tem Zamora, and Mayor Rodriguez.

Members absent: None.

3. PUBLIC COMMENTS

There was no one wishing to speak during Public Comments.

CITY COUNCIL

4. STUDY SESSION

2022-2025 Capital Improvement Plan (Public Works)

Recommendation:

Approval of 2022-2025 Capital Improvement Plan.

Director of Public Works, Noe Negrete provided a presentation on Item No. 4. He summarized about coming to Council late last year with a needs list that needed to be condensed, which now stands at 41 projects with an estimated cost of \$28 million. He added that the project list is an evolving document, and that changes can be made as needed. Individual meetings were held with each Councilmember to help identify which projects needed priority, along with identifying commercial streets that need attention.

Director Negrete spoke about "Exhibit B" which highlights the recommended projects and how they could potentially be funded. He spoke about defining the scope of work for certain projects so that the true cost can be identified and grants can be searched for. Councilmember Sarno asked if there would be a separate study session for the Aquatic Center, which Director Negrete stated there would be in order to coordinate on what to include when it comes to the renovation.

Director Negrete spoke about "Exhibit C", which provides an update on the ongoing projects for 2021-2022. Other items that were discussed were current projects in design, and the projects completed in 2021. He concluded the meeting by thanking Council, the CIP Subcommittee, executive team, management team, all City departments, and Public Works staff for their support in finalizing the project list. Mayor Pro Tem Zamora requested copies of the exhibits that were shown during the presentation. City Manager, Ray Cruz stated that discussions were had with federal and state legislators in an attempt to help secure money for specific projects.

ADJOURNMENT Mayor Rodriguez adjourned the meeting	ng at 5:24 p.m.
	Annette Rodriguez Mayor
ATTEST:	
 Janet Martinez City Clerk	Date



MINUTES OF THE REGULAR MEETINGS OF THE CITY COUNCIL

March 1, 2022

1. CALL TO ORDER

Mayor Rodriguez called the meeting to order at 6:03 p.m.

2. ROLL CALL

Members present: Councilmembers/Directors: Mora, Sarno, Trujillo, Mayor Pro Tem/Vice Chair Zamora and Mayor/Chair Rodriguez.

Members absent: None

3. INVOCATION

Mayor Pro Tem Zamora led the invocation.

4. PLEDGE OF ALLEGIANCE

St. Paul High School student Makai Pieper led the Pledge of Allegiance.

5. PUBLIC COMMENTS

The following people spoke during Public Comments: Yvette Ximenez from Arellano Associates on behalf of LA Metro via Zoom. City Manager, Raymond R. Cruz provided additional comments on the LA Metro meeting set for April 2022.

HOUSING SUCCESSOR

6. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Housing Successor.

Minutes of the February 1, 2022 Housing Successor Meetings (City Clerk)

Recommendation:

Approve the minutes as submitted.

It was moved by Mayor Pro Tem Zamora, seconded by Councilmember Mora, to approve the minutes as submitted, by the following vote:

Ayes:

Mora, Sarno, Trujillo, Zamora, Rodríguez

Nayes:

None

Absent: None

SUCCESSOR AGENCY

7. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the Successor Agency.

a. Minutes of the February 1, 2022 Successor Agency Meetings (City Clerk)

Recommendation:

Approve the minutes as submitted.

It was moved by Councilmember Trujillo, seconded by Councilmember Sarno, to approve the minutes as submitted, by the following vote:

Ayes: Mora, Sarno, Trujillo, Zamora, Rodríguez

Nayes: None Absent: None

CITY COUNCIL

8. CONSENT AGENDA

Consent Agenda items are considered routine matters which may be enacted by one motion and vote. Any item may be removed from the Consent Agenda and considered separately by the City Council.

a. <u>Minutes of the January 27 and February 1, 2022 Regular and Special City Council</u> Meetings (City Clerk)

Recommendation:

- Approve the minutes as submitted.
- b. A Resolution of the City Council Reaffirming the Existence of a Local Emergency Due to Threat of COVID-19 (pursuant to Government Code section 8630) (City Attorney)

Recommendation:

- Adopt Resolution No. 9768:
 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA, REAFFIRMING THE EXISTENCE OF A LOCAL EMERGENCY DUE TO THE THREAT OF COVID-19.
- c. <u>A Resolution of the City Council Affirming Authorization of Remote Teleconference</u> Meetings (City Attorney)

Recommendation:

- Adopt Resolution No. 9769:
 - A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS AFFIRMING THE LEGALLY REQUIRED FINDINGS TO AUTHORIZE THE CONDUCT OF REMOTE TELECONFERENCE MEETINGS DURING A STATE OF EMERGENCY.
- d. Resolution No. 9764 Ordering the Preparation of the Engineer's Report for Fiscal Year 2022/23 in Conjunction with the Annual Levy of Assessments for Street Lighting District No. 1 (Public Works)

Recommendation:

 Adopt Resolution No. 9764, ordering the preparation of the Engineer's Report for Fiscal Year 2022/23 in conjunction with the annual levy of assessments for Street Lighting District No. 1. e. Resolution No. 9765 – Ordering the Preparation of the Engineer's Report for Fiscal Year 2022/23 in Conjunction with the Annual Levy of Assessments for Heritage Springs Assessment District No. 2001-01 (Hawkins Street and Palm Drive) (Public Works)

Recommendation:

- Adopt Resolution No. 9765, ordering the preparation of the Engineer's Report for Fiscal Year 2022/23 in conjunction with the annual levy of assessments for Heritage Springs Assessment District No. 2001-01 (Hawkins Street and Palm Drive).
- f. Catch Basin Maintenance Services Renewal of Contract (Public Works)

 Recommendation:
 - Renew the contract for an additional year with Ron's Maintenance, Inc. for Catch Basin Inspection and Cleaning, for an amount not to exceed \$31,760.
- g. Meeting Report from the January 27, 2022 Meeting of the Audit/Finance Sub-committee (Finance)

Recommendation:

- Receive and file the meeting report from the January 27, 2022 meeting of the Audit/Finance Sub-committee.
- h. Government Tort Claim Denial BNSF Railway Company (City Attorney)

Recommendation:

 Deny the government tort claim from BNSF Railway Company and authorize the Municipal Affairs Manager or designee to send a denial letter in a form approved by the City Attorney's office.

It was moved by Councilmember Mora, seconded by Mayor Rodriguez, to approve Item Nos. 8A through 8H, by the following vote:

Ayes: Mora, Sarno, Trujillo, Zamora, Rodriguez

Nayes: None Absent: None

PUBLIC HEARING

9. Consideration of an Appeal of Development Plan Approval Case No. 980 and related Environmental Documents (Initial Study/Mitigated Negative Declaration) (Planning)

Recommendation:

• Continue the appeal hearing to the April 5, 2022 City Council Meeting.

It was moved by Councilmember Mora, seconded by Councilmember Trujillo, to continue the appeal hearing to the April 5, 2022 City Council Meeting, by the following vote:

Ayes: Mora, Sarno, Trujillo, Zamora, Rodriguez

Nayes: None Absent: None

NEW BUSINESS

10. Presentation and Consideration of the City's Annual Comprehensive Financial Report for the Fiscal Year ending June 30, 2021 (Finance)

Recommendation:

• Receive and file the City's Annual Comprehensive Financial Report for the Fiscal Year ending June 30, 2021 and related communications.

It was moved by Mayor Pro Tem Zamora, seconded by Mayor Rodriguez, to receive and file City's Annual Comprehensive Financial Report for the Fiscal Year ending June 30, 2021 and related communications, by the following vote:

Ayes: Mora, Sarno, Trujillo, Zamora, Rodriguez

Nayes: None Absent: None

11. Resolution No. 9766 and Resolution No. 9767 – Request for Parking Restrictions during Certain Hours and for Vehicles over 6000 Pounds on Larwin Circle west of Marquardt Avenue (Public Works)

Recommendation:

- Adopt Resolution No. 9766 to implement a parking restriction between the hours of 6:00 p.m. and 6:00 a.m. with a tow-away zone for vehicles that violate parking the restriction on both sides of Larwin Circle from Marquardt Avenue to a point 460 feet west of Marquardt Avenue; and
- Adopt Resolution No. 9767 for the restriction of parking of vehicles weighing over 6000 Pounds on both sides of Larwin Circle from Marquardt Avenue to a point 460 feet west of Marquardt Avenue.

Director of Public Works, Noe Negrete provided a presentation on Item No. 11.

It was moved by Councilmember Trujillo, seconded by Councilmember Sarno, to adopt Resolution No. 9766 to implement a parking restriction between the hours of 6:00 p.m. and 6:00 a.m. with a tow-away zone for vehicles that violate parking the restriction on both sides of Larwin Circle from Marquardt Avenue to a point 460 feet west of Marquardt Avenue, and adopt Resolution No. 9767 for the restriction of parking of vehicles weighing over 6000 Pounds on both sides of Larwin Circle from Marquardt Avenue to a point 460 feet west of Marquardt Avenue, by the following vote:

Ayes: Mora, Sarno, Trujillo, Zamora, Rodriguez

Nayes: None Absent: None

12. PRESENTATIONS

<u>Proclamation – Proclaiming the week of March 21-27, 2022 as "National Drug and Alcohol Facts Week"</u>

13. CITY MANAGER'S AND EXECUTIVE TEAM REPORTS

- City Manager, Raymond R. Cruz reported on completing a year-long teambuilding program provided by Leader Gov with department directors.
- Director of Public Works, Noe Negrete provided an update on the Heritage Park
 Train Exhibit Improvement project and the Betty Wilson Center Vinyl Flooring
 replacement and interior painting. Lastly, he announced the new Police Patrol

Vehicles.

- Director of Planning, Wayne Morrell provided an update on the Chick-Fil-A restaurant that is set to open in Spring 2023. Lastly, he spoke about reviewing the results on the update to the Sculpture Garden.
- Director of Police Services, Dino Torres spoke about reinstating the Bike Patrol Program in the coming months.
- Battalion Chief, Chad Van Meeteren provided a report of COVID-19 cases within the City. He highlighted the graduation of paramedic Tim Taylor and spoke about the end of probation for firefighters Daniel Donis and Derek Gard.
- Director of Finance, Travis Hickey spoke about meeting with sales tax consultant HdL to review the 2021 3rd quarter sales tax updates. He also spoke about working with PPE Unite to supply PPE to City employees. Lastly, he spoke about the upcoming Summer Hiring Expo on Saturday, March 26th.
- Director of Community Services, Maricela Balderas provided information on the Fitness Court Ribbon Cutting and the Teens Volunteer Day at the Community Garden. She also spoke about the Shamrock 5K Fun Run/Walk on March 12, and about the Float Volunteer Recognition Dinner. Lastly, she announced information for the 2022 Homeless Count update.

14. APPOINTMENTS TO BOARDS, COMMITTEES, COMMISSIONS

Mayor Pro Tem Zamora appointed Stella Valenzuela to the Historical and Community Preservation Advisory Committee.

15. COUNCIL COMMENTS

Councilmember Mora congratulated department heads for their leadership award. He spoke about attending Officer Keith Boyer's 5-year anniversary memorial. He attended a grand opening of a new store at Cerritos College and also spoke about attending the WASC accreditation for Santa Fe High School.

Councilmember Sarno congratulated the new paramedics and the Parks and Recreation staff for the ribbon cutting event.

Councilmember Trujillo commended the new paramedics and also spoke about the fitness court opening. She thanked Director Negrete for providing a clear presentation during the CIP Study Session.

Mayor Pro Tem Zamora brought attention to the new police vehicles and also spoke highly of the new fitness court being opened. He spoke about the Community Garden cleanup and also spoke about the accreditation event for Santa Fe High School.

Mayor Rodriguez congratulated the new paramedics and also spoke about the Community Garden event. She thanked the volunteers who attended the dinner and also spoke about the accreditation event for Santa Fe High School.

16. ADJOURNMENT

Mayor Rodriguez adjourned the meeting at 6:52 p.m. in memory of Yolanda Carpio and Alvina Serna.

	Annette Rodriguez Mayor
ATTEST:	
Janet Martinez City Clerk	Date

City Council Meeting

April 5, 2022

CONSENT AGENDA

A Resolution of the City Council Reaffirming the Existence of a Local Emergency Due to the Threat of COVID-19 (pursuant to Government Code section 8630)

RECOMMENDATION:

Adopt Resolution No. 9775:
 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA, REAFFIRMING THE EXISTENCE OF A LOCAL EMERGENCY DUE TO THE THREAT OF COVID-19

BACKGROUND

On March 4, 2020, the Governor of California issued a proclamation declaring a state of emergency due to the threat of COVID-19. On March 13, 2020, the President of the United States issued a proclamation of national emergency, beginning March 1, 2020, due to the COVID-19 outbreak. On March 17, 2020, the City Manager, acting as the Director of Emergency Services, issued a proclamation declaring the existence of a local emergency beginning March 12, 2020, due to the threat of COVID-19. On March 18, 2020, the City Council adopted Resolution No. 9668 ratifying the proclamation, and on April 9, 2020, the City Council adopted Resolution No. 9669 relating to taking action in response to the local emergency. The City Council has continued to reaffirm the existence of a local emergency due to the threat of COVID-19.

Government Code section 8630(c) provides that the City Council shall review the need for continuing the local emergency at least once every 60 days until the City Council terminates the local emergency. The state of emergency still exists and has not been lifted at the statewide or county level. The Los Angeles County Department of Public Health issued a revised health order on March 23, 2022, which states that Centers for Disease Control and Prevention (CDC) indicators and thresholds measuring community transmission of COVID-19 within the County continue to be at a Substantial level. The health order also states that while the Omicron BA.1 variant is currently the dominant variant in the County, there is a gradual increase in the BA.2 subvariant, which is highly transmissible.

The reasons for declaring a local emergency still exist, and therefore, staff recommends that the City Council adopt the attached Resolution affirming the existence of a local emergency in accordance with Government Code section 8630(c).

Raymond R. Cruz City Manager

Date of Report: March 30, 2022

Attachment:

1. Resolution No. 9775

RESOLUTION NO. 9775

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS, CALIFORNIA, REAFFIRMING THE EXISTENCE OF A LOCAL EMERGENCY DUE TO THE THREAT OF COVID-19

WHEREAS, on March 4, 2020, the Governor of California issued a proclamation declaring a state of emergency due to the threat of COVID-19; and

WHEREAS, on March 13, 2020, the President of the United States issued a proclamation of national emergency, beginning March 1, 2020, due to the COVID-19 outbreak; and

WHEREAS, on March 17, 2020, the City Manager, acting as the Director of Emergency Services, issued a proclamation declaring the existence of a local emergency beginning March 12, 2020, due to the threat of COVID-19; and

WHEREAS, on March 18, 2020, the City Council adopted Resolution No. 9668 ratifying the proclamation declaring the existence of a local emergency, and on April 9, 2020, the City Council adopted Resolution No. 9669 relating to taking action in response to the local emergency; and

WHEREAS, the City Council previously adopted resolutions reaffirming the existence of a local emergency due to the threat of COVID-19 pursuant to Government Code section 8630(c), which provides that the City Council shall review the need for continuing the local emergency at least once every 60 days until the City Council terminates the local emergency; and

WHEREAS, the state of emergency still exists and has not been lifted at the statewide or county level; and

WHEREAS, the Los Angeles County Department of Public Health issued a revised health order on March 23, 2022, which states that Centers for Disease Control and Prevention (CDC) indicators and thresholds measuring community transmission of COVID-19 within the County continue to be at a Substantial level; and

WHEREAS, the health order also states that while the Omicron BA.1 variant is currently the dominant variant in the County, there is a gradual increase in the BA.2 subvariant, which is highly transmissible; and

WHEREAS, COVID-19 continues to pose a threat to the safety of individuals in

Santa Fe Springs and Los Angeles County, and the reasons for declaring a local emergency still exist.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DOES HEREBY RESOLVE AS FOLLOWS:

- 1. The City Council determines that there is need for continuing the local emergency until such time as the City Council declares the termination of the local emergency. The City Council will review the need for continuing the local emergency at least once every 60 days in accordance with Government Code section 8630(c).
- 2. The City Council reaffirms Resolution Nos. 9668 and 9669 relating to the declaration of and response to a local emergency due to the threat of COVID-19, and all parts therein.

APPROVED and ADOPTED this 5th day of April, 2022.

AYES:	
NOES:	
ABSENT:	
ABSTAIN:	
ATTEST:	Annette Rodriguez, Mayor
Janet Martinez. CMC. City Clerk	

City Council Meeting

April 5, 2022

CONSENT AGENDA

A Resolution of the City Council Affirming Authorization of Remote Teleconference Meetings

RECOMMENDATION

Adopt Resolution No. 9776:
 A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS AFFIRMING THE LEGALLY REQUIRED FINDINGS TO AUTHORIZE THE CONDUCT OF REMOTE TELECONFERENCE MEETINGS DURING A STATE OF EMERGENCY

BACKGROUND

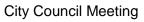
At its regular meeting of December 7, 2021, the City Council adopted Resolution No. 9747 authorizing the City Council and all legislative bodies and committees of the City to meet by teleconference. In order to continue holding teleconference meetings pursuant to this new law, an agency is required, at least every 30 days, to make the following findings by majority vote:

- (A) The legislative body has reconsidered the circumstances of the state of emergency.
 - (B) Any of the following circumstances exist:
 - (i) The state of emergency continues to directly impact the ability of the members to meet safely in person.
 - (ii) State or local officials continue to impose or recommend measures to promote social distancing.

On March 4, 2020, the Governor issued a proclamation declaring a state of emergency due to the threat of COVID-19. The California Department of Public Health and the County of Los Angeles Department of Public Health have issued public health orders during this state of emergency for the purpose of reducing transmission of COVID-19. Such orders have included social distancing requirements. The state of emergency continues to directly impact the ability of the members to meet safely in person due to a number of factors, including the high number of daily cases and community transmission and increased transmission of COVID-19 by the Delta variant. The Department of Public Health has stated that the Delta variant is two times as contagious as earlier variants, remains predominant in Los Angeles County, and continues to lead to increased infections.

Accordingly, staff has prepared the attached resolution to continue to authorize remote teleconference meetings and will include on all future meeting agendas such a resolution until such time as the state of emergency ceases, or as otherwise directed by the City Council.

Date of Report: March 30, 2022



April 5, 2022

Raymond R. Cruz City Manager

Attachment:

1. Resolution No. 9776

RESOLUTION NO. 9776

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS AFFIRMING THE LEGALLY REQUIRED FINDINGS TO AUTHORIZE THE CONDUCT OF REMOTE TELECONFERENCE MEETINGS DURING A STATE OF EMERGENCY

WHEREAS, on March 4, 2020, pursuant to California Government Code section 8625, the Governor declared a state of emergency; and

WHEREAS, on September 17, 2021, the Governor signed AB 361, which bill went into immediate effect as urgency legislation; and

WHEREAS, AB 361 adds Subsection (e) to Section 54953 of the Government Code to authorize legislative bodies to conduct teleconference meetings without complying with the requirements set forth in Section 54953(b)(3), provided the legislative body makes specified findings and complies with certain requirements; and

WHEREAS, the County of Los Angeles Department of Public Health reports a high number of daily cases and community transmission, as well as increased transmission of COVID-19 due to the Delta variant, which is two times as contagious as earlier variants, remains predominant in Los Angeles County, and continues to lead to increased infections; and

WHEREAS, public health officials recommend social distancing as a protective measure to decrease the chance of spread of COVID-19; and

WHEREAS, at its regular meeting of November 2, 2021, the City Council adopted Resolution No. 9735 authorizing the City Council and all legislative bodies and committees of the City to meet by teleconference; and

WHEREAS, Government Code Section 54953(e)(3) requires an agency to reconsider the circumstances of the state of emergency and make certain findings every thirty days in order to continue to conduct remote teleconference meetings pursuant to Section 54953(e).

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DOES HEREBY RESOLVE that:

- 1. The City Council has reconsidered the circumstances of the state of emergency and finds that the state of emergency continues to directly impact the ability of its members to meet safely in person.
- 2. The City Council and all legislative bodies and committees of the City are authorized to meet by teleconference pursuant to, and in compliance with the requirements of, Government Code section 54953(e).

APPROVED: ITEM NO.:

vote:	APPROVED	and ADOPTE	D this 5 ^t	^h day	of	April,	2022	by	the	following	roll	call
vole.												
AYES	:											
NOES	6:											
ABSE	NT:											
ABST	AIN:											
				_	hnn	ette R	odrigu	IE7	Ma	vor		
ATTE	ST:			•			.cugc	,		,		
Janet	Martinez, CM	C, City Clerk										

City Council Meeting

April 5, 2022

CONSENT AGENDA

<u>Town Center Plaza Parking Lot Improvements Project – Final Payment</u>

RECOMMENDATION

 Approve the final payment to Los Angeles Engineering, Inc. of Covina, California, in the amount of \$21,813.90 (Less 5% Retention) for the subject project.

BACKGROUND

On February 11, 2021, the City Council awarded a contract to Los Angeles Engineering Inc. of Covina, California in the amount of \$3,258,000.00 for Town Center Plaza Parking Lot Improvements project. The renovation included; drainage enhancements, improved traffic circulation, new sidewalks, landscape, irrigation, asphalt concrete pavement, parking/pedestrian lighting, information kiosk, lighted entry handrails, new entry monuments, signage, traffic signal improvements, sewer improvements, wider drive isles, and water/sewer connections.

The following payment detail represents the Final Payment (less 5% Retention) due per terms of the contract for the work which has been completed and found to be satisfactory.

FISCAL IMPACT

The Town Center Plaza Parking Lot Improvement Project is funded by the Utility Users Tax (UUT) Capital Improvement Fund. Sufficient funding is available from UUT to complete funding for the project.

INFRASTRUCTURE IMPACT

The Town Center Plaza Parking Lot Improvements Project will improve the condition of the existing parking lot section, enhance operational safety, and reduce maintenance costs.

Raymond R. Cruz City Manager

Attachments:

Exhibit No. 1: Final Payment Detail

Report Submitted By: Noe Negrete

Director of Public Works

Date of Report: March 30, 2022

TOWN CENTER PLAZA PARKING LOT IMPROVEMENTS

Contractor: Los Angeles Engineering, Inc. 633 N. Barranca Avenue Covina, CA 91723

Final Payment \$ 21,813.90

						Cov	ina, CA 91723					
Item	Description	Quantity	Units		Contract Unit Price	_	Total	Completed This I	Period Amount	Complet Quantity	ed To	Date Amount
No.		Quantity	Ollits	_	Ollit Filce		Total	Quantity	Amount	quantity		Amount
1	Mobilization	4	LS	•	250,000.00	\$	250,000.00	\$		1.00	\$	250,000.00
77.00	Construction Survey and Monument Perpetuation.	1	LS	\$	30,000.00	\$	30,000.00	\$		1.00		30,000.00
	Preparation, Implementation and Modification of the SWPPP.	1	LS	9	15,000.00	\$	15,000.00	\$			\$	15,000.00
	Traffic Control.	1	LS	9		\$	15,000.00	\$			\$	15,000.00
- 30	Clearing & Grubbing.	1	LS	\$	15,000.00	\$	36,819.70	\$			\$	36,819.70
22.0	Remove and dispose off-site existing concrete paving, brick banding	10.404	SF	\$	36,819.70		18,196.50	\$	-	12,419.00	-	18,628.50
		12,131	- SF	\$	1.50	\$	18,196.50	Φ		12,419.00	φ	10,020.30
ю.	Remove and dispose off-site (3) three existing variable height concrete planter walls and footings.	201	LF	•	12.00	\$	2,412.00	\$	_	201.00	\$	2,412.00
6c.	Remove and dispose concrete sidewalk along Alburtis Ave.	2,000	SF	\$	1.50	\$	3,000.00	\$		2,000.00		3,000.00
	Remove and dispose concrete sidewalk along Telegraph Rd.	1,076	SF	\$	1.50	\$	1,614.00	\$		1,076.00		1,614.0
	Remove and dispose off-site existing wood fencing, post and	1,070		*	1.00	+	1,011.00			1,010100	•	-,
00.	concrete footings.	450	LF	\$	6.00	\$	2,700.00	\$	-	232.00	\$	1,392.0
6f.	Remove and relocate existing concrete four planter boxes.	4	EA	\$	120.00	\$	480.00	\$	-	6.00	\$	720.0
6g.	Remove and dispose off-site existing concrete signage monument &	1803	2000									200
	wood sign along Telegraph Road.	1	LS	\$	300.00	\$	300.00	\$	-	1.00	\$	300.00
6h.	Remove and Salvage for use (2) 10' (feet) high globe lights and											
	poles.(see Electrical plan) Remove (4) 10' (feet) high globe lights and poles and deliver to City Maintenance Yard. Remove and dispose off											
	site (4) 24' (feet) light poles in parking lot.	1	LS	\$	1,800.00	\$	1,800.00	\$	_	1.00	\$	1,800.00
6i.	Remove and dispose off-site existing concrete wall & footing at ADA	- 1	LU	Y	1,000.00	+	1,000.00	Ψ		1.00	7	.,500.00
OI.	Parking Stall.	25	LF	\$	15.00	\$	375.00	\$	-	25.00	\$	375.00
6j.	Remove and dispose off-site existing concrete steps with railings.	360	SF	\$	6.00	\$	2,160.00	\$	-	360.00	\$	2,160.0
	Remove and dispose off-site existing concrete ramp with railings.	200	SF	\$	3.00	\$	600.00	\$	¥1	200.00	\$	600.0
61.	Remove and dispose off-site existing concrete retaining curb and											0.00
27.00	footing along Telegraph Road.	45	LF	\$	10.00	\$	450.00	\$		45.00	\$	450.0
6m.	Remove and dispose off-site existing concrete / metal bollards.	6	EA	\$	150.00	\$	900.00	\$	-	6.00	\$	900.00
6n.	Remove of existing signs.	17	EA	\$	50.00	\$	850.00	\$	-	17.00	\$	850.0
60.	Remove existing onsite AC pavement, and landscaping to 9" below											
	proposed surface.	45,519	SF	\$	3.00	\$	136,557.00	\$	-	47,203.00		141,609.00
	Remove existing off-site curb and gutter.	694	LF	\$	6.00	\$	4,164.00	\$	-	694.00		4,164.00
•	Remove existing onsite curb.	800	LF	\$	3.00	\$	2,400.00	\$	-	695.00		2,085.0
	Remove existing PCC v-gutter.	1,080	SF	\$	3.00	\$	3,240.00	\$		1,080.00		3,240.00
	Remove existing driveways.	1	LS	\$	1,200.00	\$	1,200.00	\$	-	1.00	\$	1,200.0
	Remove existing conflicting parkway drains.	1	LS	\$	3,000.00	\$	3,000.00	\$	-		\$	3,000.0
	Remove existing offsite curb ramp.	1	EA	\$	200.00	\$	200.00	\$	_	1.00	\$	200.0
900.000	Remove existing variable height retaining curb/wall.	70	LF	\$	10.00	_	700.00	\$	-		-	700.0
6w.	Remove existing railroad ties.	2	EA	\$	50.00	\$	100.00	\$		2.00	\$	100.0
6x.	Remove existing wheel stop.	62	EA	\$	50.00	\$	3,100.00	\$		62.00	\$	3,100.0
6y.	Remove existing backflow preventer water valves and meters.	2	EA	\$	1,100.00	\$	2,200.00	\$	120	2.00	\$	2,200.0
6z.	Remove and Salvage existing Metal Bill Pay Box & Book Drop Box	70.00	0.000									
	for use. Remove existing concrete pad and curb and footing.	1	LS	\$	2,000.00		2,000.00	\$	-	1.00		2,000.0
	Place CMB/Overexcavation.	250	CY	\$	110.00	_	27,500.00	\$	-	-	\$	-
	Remove Existing Tree and Roots (8" to 12 " Trunk Diameter).	9	EA	\$	900.00		8,100.00	\$	-	9.00	_	8,100.0
250.90000	Remove Existing Tree and Roots (13" to 24" Trunk Diameter).	56	EA	\$	1,250.00	\$	70,000.00	\$	-	56.00	\$	70,000.0
8c.	Remove Existing Tree and Roots (Greater than 24" Trunk Diameter).	40					00,000,00			40.00	۵	20,000.0
	Adjust Cristing Clastrical Dull Day to Crade	10	EA	\$	2,000.00		20,000.00	\$	-	10.00	\$	20,000.0
	Adjust Existing Electrical Pull Box to Grade.	3	EA	\$	350.00		1,050.00	\$	-	- 4.00	_	350.0
	Adjust Existing Traffic Signal Pull Box to Grade.	1	EA	\$	350.00		350.00	\$	-		_	
	Adjust Existing Street Light Pull Box to Grade.	1	EA	\$	350.00	_	350.00	\$	-	1.00		350.0
2.2	Adjust Existing Gas Meter Box to Grade.	1	EA	\$	350.00		350.00	\$	(7)	1.00	\$	350.0
	Adjust Existing Water Vault to Grade.	1	EA	\$	300.00	_	300.00	\$	-	5.00	φ	1,500.0
	Adjust Existing Communication Pull Box to Grade.	3	EA	\$	300.00	\$	900.00	\$	-	3.00	\$	900.0
15.	Construct PCC Curb Over 4" CAB Per Santa Fe Springs Std No R-7,	1,656	LF		30.00	\$	49,680.00	\$		1,526.00	\$	45,780.0
10	A1 (Curb Height per Plan). Construct Variable Height PCC Curb Over 4" CAB Per Santa Fe	1,000	LI.	\$	30.00	Ψ	T0,000.00	Ψ	1.T.	1,020.00	+	10,700.0
10.	Springs STD No R-7, A1 (Curb Height per Plan).	166	LF	\$	28.00	\$	4,648.00	\$	2	133.00	\$	3,724.0
17	Construct Variable Height PCC Curb and Gutter Over 4" CAB Per	100		1	20.00	1	.,0.000			.00.00	<u></u>	-1/10
17.	Santa Fe Springs STD No R-7, A2.	35	LF	\$	30.00	\$	1,050.00	\$	-	39.00	\$	1,170.0
	Construct 4" PCC Curb and Gutter Over 4" CAB per Santa Fe											979977844444444 7 · · · · · ·
18.	Construct 4 FCC Curb and Gutter Over 4 CAB per Santa re					1 6	4 000 00	\$	-	172.00	\$	6,880.0
	Springs Std No R-7, A2.	30	LF	\$	40.00	\$	1,200.00	Ψ		172.00	-	
	Springs Std No R-7, A2. Construct 6" PCC Curb and Gutter Over 4" CAB per Santa Fe			\$								44.000.0
19.	Springs Std No R-7, A2.	30 476	LF LF	\$	40.00 35.00	\$	16,660.00	\$	(4)	428.00	\$	14,980.0

Payment Detail: TOWN CENTER PLAZA PARKING LOT IMPROVEMENTS Contractor: Los Angeles Engineering, Inc. 633 N. Barranca Avenue Covina, CA 91723

						Cov	ina, CA 91723					
Item	Description	Quantitu	Units	_	Contract Unit Price		Total	Completed This Perio	od ount	Complet Quantity	ed To	Date Amount
No.	0000000	Quantity	Units		Unit Price		Total	Quantity Ann	ount	Quantity		ranount
21.	Construct PCC Curb Transition Over 4" CAB Per Detail Shown on			185								
	Sheet 10 (Curb Height Per Plan).	49	LF	\$	40.00	\$	1,960.00	\$	-	11.00	\$	440.00
	Construct PCC Curb and Gutter Transition Over 4" CAB per Detail	4.4	LF		40.00	\$	560.00	\$	_	17.00	\$	680.00
	Shown on Sheet 10 (Curb Heights Per Plan). Construct PCC Curb and Gutter Transition (8" to 6") (Unless	14	LF	\$	40.00	Ψ	300.00	Ψ		17.00	<u> </u>	
	Otherwise Shown) to Parkway Drain Over 4" CAB per Detail Shown											7
	on Sheet 10 (Curb Heights Per Plan).	75	LF	\$	40.00	\$	3,000.00	\$	-	124.00	\$	4,960.00
24.	Construct 4" PCC Curb Ramp over 4" CAB per Caltrans Std Plan A88A (Case Per Plan) with Black Truncated Domes.	116	SF	\$	30.00	\$	3,480.00	\$	_	140.00	\$	4,200.00
25.	Construct 8" PCC Driveway Over 6" CAB per Santa Fe Springs Std	110	OI .	4	30.00	<u> </u>	0,100.00	*		110.00	•	
	No R-6.4D and R-6.4B (Per Plan).	1,540	SF	\$	12.00	\$	18,480.00	\$	-	1,461.00	\$	17,532.00
26.	Construct PCC Parkway Drain (S & B Per Plan) per SPPWC Std No	7	EA		E 700 00	\$	39,900.00	\$		7.00	\$	39,900.00
27	151-2 (Include Rectangular Frame and Cover). Construct 6" Curb Cut per Detail Shown on Sheet 10.	7	EA	\$	5,700.00 85.00	\$	595.00	\$			\$	595.00
	Place Crushed Aggregate Base.	530	CY	\$	70.00	\$	37,100.00	\$	-	544.00		38,080.00
	Construct Asphalt Concrete Pavement (4" depth).	850	TON	\$	90.00	\$	76,500.00	\$	-	880.00		79,200.00
	Construct Deeplift Asphalt Concrete Pavement (6").	100	TON	\$	200.00	\$	20,000.00	\$			\$	21,000.00
	Furnish and Install Parking Stall Wheel Stop.	72	EA	\$	60.00	\$	4,320.00	\$	_		\$	4,320.00
	Furnish and Install Traffic Signing Thermoplastic Markings and	12	L/,	*	00.00	+	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			1		
UL.	Striping, Pavement Markers and Repaint Red Curb.	1	LS	\$	25,000.00	\$	25,000.00	\$	-	1.00	\$	25,000.00
33a.	Furnish and Install Pedestrian Push Button Post with Foundation.	1	EA	\$	5,400.00	\$	5,400.00	\$	-		\$	5,400.00
33b.	Install Pedestrian Push Button.	1	EA	\$	6,500.00	\$	6,500.00	\$	_	1.00		6,500.00
33c.	Relocate Pedestrian Head.	1	EA	\$	2,600.00	\$	2,600.00	\$	-	1.00	\$	2,600.00
33d.	Remove Pedestrian Push Button.	1	EA	\$	2,500.00	\$	2,500.00	\$	-	1.00	\$	2,500.00
33e.	Furnish and Install #14 Wire.	615	LF	\$	5.00	\$	3,075.00	\$	-	615.00	\$	3,075.00
33f.	Install Detector Loop.	8	EA	\$	815.00	\$	6,520.00	\$	-	4.00	\$	3,260.00
33g.	Remove Pull Box.	2	EA	\$	2,400.00	\$	4,800.00	\$	-	2.00	_	4,800.00
33h.	Install #6 Pull Box.	2	EA	\$	1,800.00	\$	3,600.00	\$		2.00	\$	3,600.00
33i.	Install DLC.	200	LF	\$	9.00	\$	1,800.00	\$	-	250.00	\$	2,250.00
33j.	Install 2" Conduit.	50	LF	\$	120.00	\$	6,000.00	\$	_	98.00	\$	11,760.00
33k.	Install #6E Pull Box.	1	EA	\$	4,000.00	\$	4,000.00	\$	2.43	1.00	\$	4,000.00
34.	Furnish and Install 8" PVC. Include All Necessary Fittings and						00 400 00			075.00		26 250 00
	Appurtenances.	374	LF	\$	70.00	\$	26,180.00	\$		375.00	1	26,250.00
35.	Furnish and Install 4" PVC. Include All Necessary Fittings and Appurtenances.	12	LF	\$	50.00	\$	600.00	\$	_	10.00	\$	500.00
36	Furnish and Install 4" SCH. 40 PVC Perforated Drain Line (Refer to			*		-						
00.	Landscape Plans).	282	LF	\$	20.00	\$	5,640.00	\$		306.00	\$	6,120.00
37.	Furnish and Install 6" PVC. Include All Necessary Fittings and											40 700 00
	Appurtenances.	196	LF	\$	40.00	_	7,840.00	\$	(=)	269.00	_	10,760.00
	Install 12"x12" Catch Basin (NDS Part# 1200) or Approved Equal.	12	EA	\$	160.00	_	1,920.00	\$	-	14.00		2,240.00
	Install 12"x12" Atrium Grate (NDS Part# 1280) or Approved Equal.	12	EA	\$	80.00	\$	960.00	\$	-	12.00	1	960.00
40.	Install 24"x24" Grate (NDS Part# 2411) with Catch Basin (NDS Part#	1	EA	\$	1,000.00	4	1,000.00	\$	_	1.00	\$	1,000.00
44	2400) and Adapter Plug (NDS Part# 1206) or Approved Equal. Install 12* Channel Drain (NDS Part# 847) with Deep Profile Channel		EA	Þ	1,000.00	Ψ	1,000.00	Ψ		1.00	+	1,000.00
41.	Drain (NDS Part# 843) and End Cap (NDS Part# 844) or Approved										1	
	Equal.	6	EA	\$	600.00	\$	3,600.00	\$	- =	6.00	\$	3,600.00
42a.	Furnish and Install StormTech Infiltration Basin - Area A.	1	LS	\$	9,000.00	\$	9,000.00	\$	-	1.00		9,000.00
42b.	Furnish and Install StormTech Infiltration Basin - Area B.	1	LS	\$	3,500.00	\$	3,500.00	\$	-	1.00	\$	3,500.00
42c.	Furnish and Install StormTech Infiltration Basin - Area C.	1	LS	\$	20,000.00	7	20,000.00	\$	-	1.00	\$	20,000.00
42d.	Furnish and Install StormTech Infiltration Basin - Area D.	1	LS	\$	17,000.00	\$	17,000.00	\$	-	1.00	\$	17,000.00
42e.	Furnish and Install StormTech Infiltration Basin - Area E.	1	LS	\$	25,000.00		25,000.00	\$	-	1.00	\$	25,000.0
43.	Install 24"x36" Caltrans G1 Drainage Inlet (Jenson Precast Part					100						
	#DI2436_G1_C) or approved equal.	3	EA	\$	5,700.00	\$	17,100.00	\$	-	4.00	\$	22,800.00
44.	Furnish and Install 6" PVC (SDR 35) Sewer Lateral per SPPWC									1		
	Standard Plan 222-2 (Case A), Tie Into Existing 8" VCP With a Saddle. Includes Trenching, Bedding, Backfill, Compaction, and											
	Restoration of Street Section.	3	EA	\$	5,900.00	\$	17,700.00	\$	_	3.00	\$	17,700.00
45	Construct Chimney (Cleanout) Case II Per SPPWC Std. Plan 220-3.	15	EA	\$	500.00		7,500.00	\$	_	15.00	+-	7,500.0
	Furnish and Install 6" PVC (SDR 35) Sewer Line. Include Trenching,				300.00	Ť	. 1000.00	1		1.5.00	1	
	Bedding, Backfill and Compaction.	508	LF	\$	40.00	\$	20,320.00	\$	-	508.00	\$	20,320.0
47.	Join Existing 4" Sewer Lateral Near Building. Remove Interfering						200000000000000000000000000000000000000			AC 1984		
	Portion of Existing Lateral. Furnish and Install 4" To 6" Coupler.	3	EA	\$	1,000.00		3,000.00	\$	-	3.00		3,000.0
	Plug and Abandon Existing Sewer Line.	4	EA	\$	1,000.00		4,000.00	\$	-	4.00	_	4,000.00
49	Remove Existing Sewer Line.	174	LF	\$	35.00	\$	6,090.00	\$	-	160.00	\$	5,600.0

TOWN CENTER PLAZA PARKING LOT IMPROVEMENTS

633 N. Barranca Avenue Covina, CA 91723

The company Control							001	ina, CA 91723		W			Date 1
Section Comment Comm	2000000	Description	0	Init-				Tot-I				ed To	
Agent Committed Committe	No.		Quantity	Units		Unit Price		Total	Quantity	Amount	Quantity		Amount
Agent Committed Committe	F0	Fusish and Install Black Truncated Dames Day Colleges Ctd No.			APRIL N								
State Proceed Exchange Fire Hybridan Assemblar, Schlorogy for Dec City From Confidence (1997) and the Confidence (1997	50.			FA	\$	1.300.00	\$	2.600.00		\$ -	2.00	\$	2,600.00
Part	51.				Ť	1,000,00	<u> </u>			•			
Secretary Secr		and cap existing lateral.	1	EA	\$	5,600.00	\$	5,600.00		\$ -	1.00	\$	5,600.00
Processor and Remove Editing Colored Controlle Walk, Rightson in Standard Remove Editing Walk Monthson Colored Remove Editing Walk Mont	52.	Furnish and Install Fire Hydrant Assembly per City of Santa Fe											
Separation of Samet Section Security Product													
State Content and Pentrone Editing Catherd Convente Walls. Replace in Science Sc				E.A.		44 000 00	,	11 000 00		¢	1.00	¢	11 000 00
Fig. Control			1	EA	\$	11,000.00	\$	11,000.00		\$ -	1.00	φ	11,000.00
54 Clean Cut Debut From Estating Starm Davin Marchells Auscribe 55 Starduck Princip Continuous Open of the Team Park Princip P	53.			SF	\$	60.00	\$	3.180.00		\$ -	53.00	\$	3.180.00
Strouting - Play Openhal from Nemover Profition of Professory Data. 1 EA \$ 700.00 \$ 700.00 \$ - 1.00 \$ 700.00 \$ 3.00.00 \$ - 2.00.00 \$ 2.00.00 \$ - 2.0	54			- 01	P	00.00	Ψ	0,100.00		Y	00.00	*	0,100,00
Section of the PCC Christopy Over or CAB Per Samular Posytrings STD 188 SF \$ 2,000 \$ 2,760.00 \$ \$ - 165.00 \$ 3,300.00 \$ 5.00.00 \$ \$ - 160.00 \$ 2,200.00 \$ 5.00.00	04.			EA	\$	750.00	\$	750.00		\$ -	1.00	\$	750.00
Fig. Proceed Extended Paint Tree, See Planting Plan for Proposed Excellenting Plan for Plant State 1	55.				8.86								
Proposed Leadinn			138	SF	\$	20.00	\$	2,760.00		\$ -	165.00	\$	3,300.00
Fig.	56.							0.500.00		•	4.00	φ.	0.500.00
Sea Man Sign Mormanet Construct Aff linear feety X** High CAUL Block Wall & construct Construct Construct (16f linear feety X** High CAUL Block 1					\$		-					_	
Wal & concrete footing with Honey Mountain Ledge Stone (front and saides) & Wal & concrete footing with Honey Mountain Ledge Stone (front and saides) & Wall (ac) (2029) Febria Researched (with Care Stone) Back sides (or Care Stone) February Stign Mountain Concrete Footing with Care Stone) February Stign Mountain Concrete Footing with Care Stone (February Stign Mountain Stone) February Stign Mountain Stone Vinescent Wall & concrete Footing (207) February Stign Mountain Stone Vinescent Wall & Concrete Footing (207) February Stign Mountain Stone Vinescent Wall & Concrete Wall and Robing (207) February Stign Wall & Febru		,		EA	\$	500.00	\$	500.00		\$ -	2.00	Þ	1,000.00
Selection Sele	58a.												
Seb Secondary Sign Monument: Constitud (19" linear feet) x 5-5" light CMU Block Wall & concrete feoting with colored stacco finish (all sizes) & Wall (20) (190 SF) 1													
Secondary Sign Mouranet Constitut (18" linear feet) x 5:6 High CALU Brock Malk & concrete Footing with control abuson finish (all entirely & Walt Capy (18) 95).				ΕA	\$	120.000.00	\$	120.000.00		\$ -	1.00	\$	120,000.00
CAURI Block Wall & concrete fooling with colored study (18 pt 69 pt 6)	58b.				*	120,000,000	<u> </u>	,					
Sec. Construct 7-CF. High x 2 CMJL Block Pedeals with Concrete Fooling with Honory Mountains Sanos Honory World Sanos Honory With Bornamic San	0001												
With Honey Mountain Stone Veneer. 2		sides) & Wall Cap (180 SF).	1	EA	\$	15,000.00	\$	15,000.00		\$ -	1.00	\$	15,000.00
Section Sect	58c.												
Postaviding for ADA Rampo) Exposed face to be light sandblast finish. 210 LF \$ 200.00 \$ 42,000.00 \$ - 210.00 \$ 42,000.00			2	EA	\$	15,000.00	\$	30,000.00		\$ -	2.00	\$	30,000.00
Secondary Color P.C. Integral Colored concrete wall and footing 20 LF \$ 200.00 \$ 42,000.00 \$ - 268.00 \$ 53,600.00	58d.												
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59a				140.00							Charles Commission		
Medium Broom (Sidewalk) on Telegraph Road. 1,167 SF 10,00 \$ 11,670.00 \$ - 1,281.00 \$ 12,810.00 \$ 15,000.00 \$ - 1,281.00 \$ 12,810.00 \$ 16,800.00 \$ - 1,680.00 \$ 16,800.00 \$ - 1,680.00 \$ 16,800.00 \$ - 1,680.00 \$ 16,800.00 \$ - 6,187.00 \$ 16,800.			128	LF	\$	880.00	\$	112,640.00		\$ -	128.00	\$	112,640.00
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Secondaria	59b.			QE.		10.00	4	18 830 00		\$ -	1 680 00	\$	16 800 00
Parking Lots & Ramps Top Cast #3 Finish. 5,185 SF \$ 12,00 \$ 62,220.00 \$ - 6,187.00 \$ 74,244.00	500			OI .	P	10.00	Ψ	10,030.00		Ψ	1,000.00	Ψ_	10,000.00
Sylic Construct 4" Thick Colored Concrete Paving Sidewalks around Parking Lots & Ramps Top Cast #5 Finish.	590.			SF	\$	12.00	\$	62,220.00		\$ -	6,187.00	\$	74,244.00
Parking Lots & Ramps Top Cast #5 Finish.	59d.			0.50.1			Ė			-			
59e, Construct 8" Thick Integral Colored Concrete Medium Broom Finish (Main Entry Driveway). 1,413 SF 20.00 28,260.00 \$ - 1,496.00 \$ 29,920.00	oou.			SF	\$	14.00	\$	7,560.00		\$ -	545.00	\$	7,630.00
Spf. Construct 4" Thick Bomanite Stamped Integral Colored Concrete Parking tot Islands & Central Plaza .	59e.			5000.0000						100	and American		
CParking lot Islands & Central Plaza . 2,405 SF 23.00 55,315.00 \$ - 2,520.00 \$ 57,960.00				SF	\$	20.00	\$	28,260.00		\$ -	1,496.00	\$	29,920.00
Sys. Construct 8" Thick Vehicular Cotored Concrete Paving @18" OCEW (Driving Areas) With Bomanite Stamp. 534 SF \$ 25.00 \$ 13,350.00 \$ - 600.00 \$ 15,000.00	59f.			05				55.045.00		c	0.500.00	,	E7 000 00
Chriving Areas) With Bomanite Stamp. 534 SF \$ 25.00 \$ 13,350.00 \$ - 600.00 \$ 15,000.00				SF	\$	23.00	\$	55,315.00		> -	2,520.00	Þ	57,960.00
Sph. Construct 8" thick Integral Colored Concrete Paving with Top Cast Finish (Driving areas South and East of Building).	59g.			QE.		25.00		13 350 00		\$ -	600.00	\$	15 000 00
Finish (Driving areas South and East of Building). 2,216 SF \$ 20.00 \$ 44,320.00 \$ - 1,717.00 \$ 34,340.00	EOP			OI.	P	25.00	Ψ	15,550.00		Ψ	000.00	Ψ_	10,000.00
Spi	5911.			SF	\$	20.00	\$	44,320.00		\$ -	1,717.00	\$	34,340.00
Section Sect	59i		-		\$								16,800.00
Joints. Join						200,00	<u> </u>					Ė	
Syk. Clean and Seal Colored Concrete and Stamped Concrete Paving, Natural Gray Banding & Colored Concrete Steps Upon Completion. 12,800 SF \$ 0.50 \$ 6,400.00 \$ - 14,271.00 \$ 7,135.50 \$ 6,400.00 \$ - 105.00 \$ 21,000.00 \$ - 105.00 \$ 21,000.00 \$ - 105.00 \$ 21,000.00 \$ - 20,8	OOj.	,		LF	\$	2.50	\$	11,000.00		\$ -	3,734.00	\$	9,335.00
Natural Gray Banding & Colored Concrete Steps Upon Completion. 12,800 SF \$ 0.50 \$ 6,400.00 \$ - 14,271.00 \$ 7,135.50 \$ 6,400.00 \$ - 14,271.00 \$ 7,135.50 \$ 60a. Fabricate and Install Stainless Steel Cable Railings and Posts for Ramps. 60b. Fabricate and Install Painted Handrails for Stairs and Ramps. 60c. Purchase and Install Pottery & Saucers. 60d. Main Sign Monument: Furnish & Install 3.5" Lite Crete Colored Concrete Sign Panel. 60e. Furnish & Install Aluminum Letters. "WELCOME TO SANTA FE SPRINGS". 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00	59k.												
60a. Fabricate and Install Stainless Steel Cable Railings and Posts for Ramps. 60b. Fabricate and Install Painted Handrails for Stairs and Ramps. 60c. Purchase and Install Pottery & Saucers. 60d. Main Sign Monument: Furnish & Install 3.5" Lite Crete Colored Concrete Sign Panel. 60e. Furnish & Install Aluminum Letters. "WELCOME TO SANTA FE SPRINGS". 60f. Furnish & Install Aluminum Letters. "CITY HALL" and "LIBRARY" WITH DIRECTIONAL ARROWS. 60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S		Natural Gray Banding & Colored Concrete Steps Upon Completion.										l	
Ramps Ramp			_	SF	\$	0.50	\$	6,400.00		\$ -	14,271.00	\$	7,135.50
60b. Fabricate and Install Painted Handrails for Stairs and Ramps. 198 LF \$ 250.00 \$ 49,500.00 \$ - 230.00 \$ 57,500.00 \$ 60c. Purchase and Install Pottery & Saucers. 2 EA \$ 2,000.00 \$ 4,000.00 \$ - 2.00 \$ 4	60a.			1.5		000.00	•	20 200 00		¢	405.00	0	21 000 00
60c. Purchase and Install Pottery & Saucers. 60d. Main Sign Monument: Furnish & Install 3.5" Lite Crete Colored Concrete Sign Panel. 1 LS \$ 5,600.00 \$ 5,600.00 \$ - 1.00 \$ 5,600.00 \$ - 1.00 \$ 5,600.00 \$ - 1.00 \$ 1,000.00 \$ -						100000000000000000000000000000000000000	-					_	
60d. Main Sign Monument: Furnish & Install 3.5" Lite Crete Colored Concrete Sign Panel. 1 LS \$ 5,600.00 \$ - 1.00 \$ 5,600.00 60e. Furnish & Install Aluminum Letters. "WELCOME TO SANTA FE SPRINGS". 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60f. Furnish & Install Aluminum Letters. "CITY HALL" and "LIBRARY" WITH DIRECTIONAL ARROWS. 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S				_	\$		-					_	
Concrete Sign Panel. 1 LS \$ 5,600.00 \$ 5,600.00 \$ - 1.00 \$ 5,600.00 60e. Furnish & Install Aluminum Letters. "WELCOME TO SANTA FE SPRINGS". 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60f. Furnish & Install Aluminum Letters. "CITY HALL" and "LIBRARY" WITH DIRECTIONAL ARROWS. 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S		A 1990 M (1994 M (199		EA	\$	2,000.00	\$	4,000.00		\$ -	2.00	\$	4,000.00
60e. Furnish & Install Aluminum Letters. "WELCOME TO SANTA FE SPRINGS". 1 LS \$ 1,000.00 \$ 1,000.00 60f. Furnish & Install Aluminum Letters. "CITY HALL" and "LIBRARY" WITH DIRECTIONAL ARROWS. 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S	60d.	•		10		E C00 00	0	5 600 00		\$	1.00	1	5 600 00
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60f. Furnish & Install Aluminum Letters. "CITY HALL" and "LIBRARY" WITH DIRECTIONAL ARROWS. 1 LS \$ 1,000.00 \$ 1,000.00 \$ - 1.00 \$ 1,000.00	ove.		1	LS	\$	1.000.00	\$	1.000.00		\$ -	1.00	\$	1,000.00
WITH DIRECTIONAL ARROWS. 1 LS \$ 1,000.00 \$ - 1.00 \$ 1,000.00 60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S	60f		<u> </u>		1	.,000.00	+	.,550,00		*	1.50	Ť	.,
60g. Furnish & Install AV-PEERLESS Electronic Kiosk Model: KOP2555-S	301.			LS	\$	1,000.00	\$	1,000.00		\$ -	1.00	\$	1,000.00
	60g.												
			1	LS	\$	15,000.00	\$	15,000.00		\$ -	1.00	\$	15,000.00

Contractor: Los Angeles Engineering, Inc. 633 N. Barranca Avenue Covina, CA 91723

Completed This Period Completed To Date Contract Item Description Quantity Quantity Units Unit Price Quantity Amount Amount Total No. 4 500 00 60h. Furnish & Install City Bronze Medallion in paving LS 4,500.00 \$ 4,500.00 1.00 Furnish & Install 42" high metal posts, railings with picket fencing. LF \$ 119,600.00 \$ 444.00 \$ 115,440.00 60i. 460 \$ 260.00 Furnish & Install (4) 44' long Aluminum Liberty Manufacturer Flag 26,000.00 \$ 4.00 \$ 26,000.00 6,500.00 \$ Poles Model: EC40 IH. EA 6,500.00 Furnish and Install Glascrete Removable Bollards. 6,500.00 \$ 5.00 \$ EA 1,300.00 \$ 60k 5 1,000.00 1.00 Relocate Book Drop Off Box and Bill Pay Box. 1,000.00 \$ \$ EA 1,000.00 \$ 1 Furnish and Install Stabilized Decomposed Granite. SF 4.00 \$ 3,420.00 \$ \$ 855 2,240.00 2,240.00 \$ 280.00 \$ Furnish and Install Bend- a- Board Edging. 280 LF \$ 8.00 \$ 61a. Irrigation Area. Including Drip system, trenching, main line, and 81,910.00 14,600 SF 5.00 73,000.00 16,382.00 4,470.00 Irrigation 12" Pop-heads, nozzles and swing joints. 2,760.00 \$ 149.00 92 EA \$ 30.00 \$ Furnish and Install RainMaster 36 Station Time Clock w/ Rain Sensor 8,300.00 \$ \$ 8,300.00 8,300.00 1.00 1 EA & Cabinet on Concrete Pad. 61d, Furnish and Install 2" Backflow Preventer with metal cage and 2.00 18,800.00 9,400.00 \$ EA 9,400,00 concrete base 7,560.00 61e. Furnish and Install Remote Control Valves & Lock Boxes. 7,560.00 \$ 28.00 \$ EA 28 \$ 270.00 \$ 800.00 61f. Furnish and Install Master Control Valve & Lock Box. 800.00 \$ 1.00 \$ EΑ 1 \$ 800.00 \$ 12.00 4,200.00 3,500.00 \$ \$ Furnish and Install Hose Bibs. 10 EA 350.00 \$ 2,490.00 \$ 424.00 4,240.00 \$ 62a. Purchase and Install 1 gallon Annual Color. 249 EA 10.00 \$ 550.70 11,000 550.00 \$ 11,014.00 1\$ Purchase and install Shrub Planting. SF 0.05 5,076.00 62c. Purchase and Install 1 gallon plant 3,015.00 \$ 564.00 | \$ 335 EA \$ 9.00 18,753.00 62d. Purchase and Install 5 gallon plant 578 EA 21.00 12,138.00 \$ 893.00 \$ \$ 490.00 370.00 \$ 49.00 \$ 62e. Purchase and Install 1 gallon specialty plant. 37 FA 10.00 2,492.00 \$ 46.00 \$ 1,288.00 62f. Purchase and Install 5 gallon specialty plant. EΑ 28.00 89 62g. Purchase and Install 15 gallon Espalier Vine plant. 5,600.00 EA 4,640.00 \$ 35.00 \$ 29 160.00 2,560.00 62h. Purchase and Install 4" Caliper Hedge Plant. 2,560.00 \$ 8.00 \$ 8 FA 320.00 220.000.00 \$ 22.00 \$ 220,000.00 Purchase and Install 6" Caliper Tree. 10,000.00 62i. 22 EA \$ Purchase and Install 7" Caliper Tree. 10,900.00 \$ 1.00 \$ 10,900.00 62i. EA 10,900.00 Purchase and Install 8" Caliper Tree. 98,100.00 \$ 9.00 \$ 98,100.00 62k. 9 EA 10,900.00 \$ 4,200.00 62I. Crane Cost to install trees (2) two days total. LS 4,200.00 \$ 4,200.00 \$ 1.00 \$ \$ \$ 3,240.00 \$ 4,860.00 62m. Purchase and Install sodded Marathon I turf. 3,400 SF \$ 1.50 5,100.00 19,854.00 12,905.10 Purchase and Install shredded bark mulch (3" depth). SF 9,880.00 \$ \$ 62n 15,200 \$ 0.65 7,360.00 Purchase and Install Deep Root Barrier. 400 LF 23.00 \$ 9,200.00 \$ 320.00 \$ \$ 6,890.00 63. Import and Place Topsoil for Planting. 106 CY 65.00 6,890.00 \$ 106.00 \$ \$ \$ 13.939.20 15.488.00 13,939.20 64. Soil Preparation and Fine Grading. 15,488 SF 0.90 \$ \$ \$ \$ 10,000.00 10,000.00 Tree Protection, Fencing, Watering, & Maintenance. LS 10,000.00 \$ 1.00 \$ 65 \$ \$ 1 LS 50.000.00 \$ 1.00 \$ 50,000.00 66a. Electrical Demolition. \$ 50,000.00 \$ 1 5,000.00 Furnish and Construct Lighting Controls System. LS 5.000.00 \$ 1.00 \$ 66h 1 \$ 5,000.00 \$ 11,000.00 11,000.00 2.00 Furnish and Construct Single Pole Light Assembly. 2 EA \$ \$ \$ 5,500.00 \$ 4,400.00 2.00 \$ Furnish and Construct Single Pole Light Footing. 2 EA 2,200.00 \$ 4,400.00 \$ -Furnish and Construct Single Pole Light Assembly with Pedestrian 23,200.00 23,200.00 4.00 \$ 4 EΑ 5,800.00 \$ l uminaire. Furnish and Construct Single Pole with Pedestrian Luminaire Light 7,200.00 1,800.00 7,200.00 \$ 4.00 \$ Footing. 42.000.00 Furnish and Construct Double Pole Light Assembly. 42,000.00 \$ 7.00 \$ 7 EA 6,000.00 \$ 10,500.00 10,500.00 \$ 7.00 \$ 66h. Furnish and Construct Double Pole Light Footing. EΑ 1,500.00 \$ 28.00 \$ 39,200.00 66i. Furnish and Construct Rail Lights. LF 1,400.00 28,000.00 \$ 20 \$ 2,500.00 Furnish and Construct 3R Enclosure for Rail Light's remote drivers. 2,500.00 2,500.00 \$ 1.00 \$ LS \$ 66i. 2,100.00 \$ 1.00 \$ 2,100.00 Furnish and Construct Signage. 1 EΑ 66k. 2,100.00 \$ 28,800.00 Furnish and Construct Bullet Tree lights. 800.00 28,800.00 \$ 36.00 \$ 36 EΑ 661 \$ 34,500.00 36,750.00 \$ \$ Furnish and Construct Wall mounted lights. 46.00 66m. 49 EA 750.00 \$ \$ \$ 66n. Furnish and Construct Flush In-Ground lights. 6 EA 2,800.00 \$ 16,800.00 \$ 6,000.00 \$ 5.00 \$ 6,000.00 660 Furnish and Construct Flag pole lights. 5 EA \$ 1,200.00 \$ 29,600.00 \$ 8.00 \$ Furnish and Construct Bollard lights. 8 3,700.00 29,600.00 66p EA \$ 4,030.00 Furnish and Construct GFCI, WP Receptacles. 4,030.00 \$ _ 13.00 \$ 66a 13 EA 310.00 \$ 10,400.00 Furnish and Construct Monument Lights. 10,400.00 \$ 8.00 \$ 66r 8 EA 1,300.00 \$ \$ 6,300.00 \$ 1.00 \$ 6,300.00 66s. Furnish and Construct Public Notice Kiosk EΑ 6,300.00 \$ 1 \$ Furnish and Construct 1" Underground Conduit. LF 8.00 \$ 40,000.00 \$ 3,794.00 \$ 30,352.00 66t 5,000 \$ 6611 Furnish and Construct 2" Underground Conduit. 2,000 LF \$ 9.00 \$ 18,000.00 \$ 1,130.00 \$ 10,170.00 4.950.00 66v Furnish and Construct 3" Underground Conduit. 200 LF \$ 22.00 \$ 4.400.00 \$ 225.00 \$ Furnish and Construct 4" Underground Conduit. 4,600.00 \$ 80.00 1,840.00 200 LF \$ 23.00 \$ \$ 176.00 | \$ 3,520.00 Furnish and Construct 4" Overhead Conduit. LF 6,000.00 \$ 300 \$ 20.00 \$

Contractor: Los Angeles Engineering, Inc.

633 N. Barranca Avenue

TOWN CENTER PLAZA PARKING LOT IMPROVEMENTS Covina, CA 91723 Completed This Period Completed To Date Contract Item Description Unit Price Quantity Quantity Units Quantity Amount Total No. 45,600.00 30,000.00 38.00 66y. Furnish and Construct Pull Boxes. 1,200.00 \$ 25 \$ 15,528.00 27,216.00 \$ 7,764.00 66z. Furnish and Construct #6 copper wire. 13,608 LF \$ 2.00 \$ \$ 4,510.00 \$ 6,765.00 66a1. Furnish and Construct #8 copper wire. 7,695.00 5,130 LF \$ 1.50 \$ 2,160.00 \$ 5,309.00 \$ 9,556.20 66b1. Furnish and Construct #10 copper wire. 1,200 LF 1.80 \$ \$ 66c1. Furnish and Construct #4 copper wire. 3,804 LF 3.40 12,933.60 \$ 5,296.00 \$ 18,006.40 \$ 66d1. Furnish and Construct 6"x24" trench. 7,400 LF 11.20 \$ 82,880.00 \$ 5,229.00 \$ 58,564.80 CO 1 Unforeseen Concrete Grade Beam; Gas Line Repair 9,453.18 9,453.18 \$ 1.00 \$ 9,453.18 LS \$ 1 CO 2 Irrigation Revisions LS 5,018.00 \$ 1.00 \$ 5,018.00 1 \$ 5,018.00 \$ CO 3 2" grind and overlay at Telegraph 16,450.00 \$ 1.00 \$ 16,450.00 LS 16,450.00 \$ 1 \$ 16,157.00 CO 4 Unforeseen Utility Lines LS 16,157.00 \$ 1.00 \$ 16,157.00 \$ 1 14,249.00 \$ 1.00 \$ CO 5 Relocate Fire Hydrant. LS 14,249.00 1 14,249.00 \$ 4,134.00 \$ 1.00 \$ CO 6 Control Joint at Wall Reveal LS 4,134.00 \$ 4,134.00 1.00 \$ 12,821.00 CO 7 AC Seal Coat 1 LS \$ 12,821.00 \$ 12,821.00 \$ -17,069.00 17,069.00 \$ 1.00 \$ CO 8 Sewer MH, Metal Railing and Spall Repair 1 LS \$ 17,069.00 \$ 1,474.00 CO 9 Additional Striping LS 1,474.00 \$ 1,474.00 \$ 1.00 \$ 22,962.00 22,962.00 22,962.00 1.00 \$ \$ LS 1.00 CO 10 Electrical System and Lighting Revisions 22,962.00 \$ 22,962.00 3,375,651.28 Contract Total: \$ 3,377,787.18

Total Completed	Items to Date:	\$	3,375,651.28
		-	

Final Payment \$

21,813.90

				Warrant Billing Period			
CONTRACT PAYMENTS:	1	Invoice Date	Invoice No.	Invoice Due Date	Invoice Pay Date	Amount	Retention Amount
Total Items Completed to Date:	\$ 3,375,651.28	05/25/2021	1	06/02/2021	06/10/2021	\$ 336,455.73	\$ 17,708.20
Progress Payment No. 1:	\$ 336,455.73	06/22/2021	2	06/24/2021	07/08/2021	\$ 197,774.17	\$ 10,409.17
Progress Payment No. 2:	\$ 197,774.17	08/03/2021	3	08/11/2021	08/19/2021	\$ 391,589.97	\$ 20,610.00
Progress Payment No. 3:	\$ 391,589.97	08/30/2021	4	09/08/2021	09/16/2021	\$ 726,436.66	\$ 38,233.51
Progress Payment No. 4:	\$ 726,436.66	09/30/2021	5	10/06/2021	10/14/2021	\$ 1,087,835.48	\$ 57,254.50
Progress Payment No. 5:	\$ 1,087,835.48	10/25/2021	6	11/03/2021	11/10/2021	\$ 178,223.71	\$ 9,380.20
Progress Payment No. 6:	\$ 178,223.71	11/30/2021	7	12/15/2021	12/22/2021	\$ 266,739.10	\$ 14,038.90
Progress Payment No. 7:	\$ 266,739.10	03/10/2022	8	04/20/2022	04/29/2022	\$ 21,813.90	\$ 1,148.10

Less 5% Retention:	\$ 168	3,782.56		Amount	Account
Final Payment	\$ 21	1,813.90	Finance Please Pay:	\$ 21,813.90	PW21001
			5% Retention Completed this Period:	\$ 1,148.10	Escrow Account No 1866
			Recommended by Project Manager:	Robert Garcia	1
			Approved by PW Director:	Noe Negrete	# 2955

City Council Meeting

April 5, 2022

CONSENT AGENDA

Paratransit User Subsidy Program Management Agreement between the Cities of Santa Fe Springs and Norwalk – Approval of Agreement

RECOMMENDATION

- Approve the Management Agreement between the Cities of Santa Fe Springs and Norwalk; and
- Authorize the City Manager to execute the agreement with the City of Norwalk for a period of five years.

BACKGROUND

In 2009, the City of Santa Fe Springs entered into a Transportation Management Association Agreement (TMA) with the City of Norwalk. The Agreement expired on June 30, 2020, was not renewed because of the pandemic and the reduction of transportation services required in the region. The Agreement is revised from a TMA to a Management Agreement (MA) to broaden the scope of work, will include the Paratransit User Side Subsidy Transportation Program, along with a Fixed Route Service Passenger Subsidy Program, which was part of the former TMA.

The goal of the MA is to facilitate transportation options, which includes ridesharing, coordination between transportation-related programs, and creating a lasting and valuable partnership between cities and employers in the region. This agreement directly benefits Santa Fe Springs' senior and disabled residents by providing them access to supplemental transportation.

Staff recommends that the City Council approve the Management Agreement with the City of Norwalk for five years, effective February 15, 2022, and ending on June 30, 2027.

LEGAL REVIEW

The City Attorney's office has reviewed the agreement.

FISCAL IMPACT

The Fiscal Year 2021/22 budget includes a projected expense of \$5,000 for activities under the Management Agreement. Funds for these activities are budgeted and paid for by local return funds designated for transportation projects.

> Raymond R. Cruz City Manager

Attachment

Exhibit No. 1: Agreement

Report Submitted By:

Director of Public Works

Date of Report: March 30, 2022

SANTA FE SPRINGS PARATRANSIT USER SUBSIDY PROGRAM MANAGEMENT AGREEMENT

This Management Agreement ("Agreement") is dated February 15, 2022, and is between the City of Norwalk, a California municipal corporation ("NORWALK"), and the City of Santa Fe Springs, a California municipal corporation ("SFS"). Each are referred to at times throughout individually as a "Party" and together as the "Parties."

RECITALS

WHEREAS, the Parties desire to develop a Management Agreement (MA) for administration and coordination of a Paratransit/user Side Subsidy Transportation Program and Fixed Route Fare Reimbursement.

WHEREAS, SFS desires to continue its participation in the Paratransit User Side Subsidy Transportation Program along with a Fixed Route Service Passenger Subsidy Program

WHEREAS, Norwalk desires to provide administration and coordination activities associated with the SFS Paratransit User Side Subsidy Transportation Program and Norwalk Transit System (NTS) Fixed Route Service Subsidy Program.

WHEREAS, The SFS desires to reimburse NTS for SFS senior/disabled residents scheduling trips provided by contracted service provider for Inter-jurisdictional Taxi Voucher Coupon service to medical facilities at the face value of the taxi vouchers.

The Parties therefore agree as follows:

- 1. MA Services. The operation of the SFS Paratransit User Side Subsidy Transportation Program MA shall include the day-to-day administration of the activities set forth in Exhibit A ("Scope of Services").
- **2. Effective Date and Terms.** The term of this Agreement shall be from February 15, 2022 to June 30, 2027, unless sooner terminated as provided in Section 14 herein.
- 3. Personnel. NORWALK represents that it has, or will secure at its own expense, all personnel required to perform the services under this Agreement. All of the services required under this Agreement will be performed by NORWALK or under its supervision. NORWALK personnel engaged in the performance of services under this Agreement shall be qualified to perform the services.
- 3.1 Party Representatives. For the purposes of this Agreement, the NORWALK Representative shall be the Executive Director of Regional Transportation or such other person designated by the City Manager (the "NORWALK Representative"). For the purposes of this Agreement, the SFS Representative shall be Noe Negrete (the "SFS Representative").

- 4. SFS Obligations. The SFS shall reimburse NTS for trips provided by contracted service provider for Inter-jurisdictional Taxi Voucher Coupon service to medical facilities at the face value of the taxi vouchers plus a fifteen percent (15%) administrative fee on the Taxi Voucher Program. Additionally, SFS will provide fare reimbursement on NTS Route 3 for eligible SFS residents that utilize Senior/Disabled ID for free rides. More specifically, City of SFS will be charged the senior face value for every passenger utilizing the SFS issued Senior/Disabled ID on NTS Route 3.
- 5. NORWALK Obligations. NTS will administer SFS's Paratransit User Side Subsidy Transportation Program and Fixed Route Fare Reimbursement by overseeing the contract and reviewing trips in accordance with SFS's Taxicab Program requirements and approving payments to contractor along with invoicing SFS monthly for its Paratransit User Side Subsidy Transportation Program and Fixed Route Fare Reimbursement expenses which includes a fifteen percent (15%) administrative fee.
- **6.** Audit of Records. Upon providing twenty-four (24) hour prior written notice, a Party (the "AUDITING PARTY") may request that the other Party (the "RECORDHOLDER") shall make all records, invoices, time cards, cost control sheets and other records maintained by it in connection with this Agreement available to the AUDITING PARTY for review and audit. The AUDITING PARTY may conduct such review and audit at any time during the RECORDHOLDER's regular working hours.
- 7. Standard of Performance. Each Party shall perform all services under this Agreement in accordance with the standard of care generally exercised by like public entities under similar circumstances and in a manner mutually acceptable to the Parties.
- 8. Ownership of Work Product. All reports, documents or other written material developed by NORWALK in the performance of this Agreement shall be and remain the property of NORWALK without restriction or limitation upon its use or dissemination by NORWALK. All reports, documents or other written material developed by SFS in the performance of this Agreement shall be and remain the property of SFS without restriction or limitation upon its use or dissemination by SFS.
- 9. Status as Independent Contractor. NORWALK and SFS are, and shall at all times remain as to each other, wholly independent contractors. Neither NORWALK nor SFS shall have any power to incur any debt, obligation, or liability on behalf of the other Party. Neither SFS nor NORWALK nor any of their respective agents shall have control over the conduct of the other Party or any of that Party's employees, except as set forth in this Agreement. Neither NORWALK nor SFS shall, at any time, or in any manner, represent that it or any of its officers; agents or employees are in any manner employees of the other Party. NORWALK agrees to pay all required taxes on amounts paid to NORWALK under this Agreement, and to indemnify and hold SFS harmless from and all taxes, assessments, penalties, and interest asserted against SFS by reason of the independent NORWALK relationship created by this Agreement. Each Party shall fully comply with the workers' compensation law regarding that Party and its employees. Each Party further agrees to indemnify and hold the other Party harmless from any failure of the indemnifying Party to comply with applicable workers' compensation laws. SFS shall have

the right to offset against the amount of any fees due to NORWALK under this Agreement any amount due to SFS from NORWALK as a result of NORWALK's failure to promptly pay to SFS any reimbursement or indemnification arising under this Section 9.

- 10. Confidentiality. Each Party hereto acknowledges that both Parties are subject to the California Public Records Act and that some or all of the information provided by the Parties and/or maintained in connection with this Agreement may be disclosable thereunder. In the event a public records act request for any such information is received, the receiving Party shall use its best efforts to provide the other Party with written or verbal notice of such request, prior to compliance. However, nothing herein shall prevent the receiving Party from complying with the requirements of the California Public Records Act. In the event a Party determines at the behest of the other Party that any documents containing information covered by this Section are not disclosable, and litigation is commenced to compel production of such documents, the Party urging nondisclosure agrees to defend and indemnify the receiving Party, with counsel reasonably acceptable to the other Party, as to any claims, liabilities, costs, and/or judgments that may be incurred by the indemnified Party as a result of such litigation.
- 11. Conflict of Interest. NORWALK and its officers, employees, associates and subcontractors, if any, will comply with all conflict of interest statutes of the State of California applicable to NORWALK's performance of the services under this Agreement, including the Political Reform Act (Gov. Code § 81000 et seq.) and Government Code Section 1090.
- Indemnification. Neither NORWALK nor SFS, nor any respective officer, employee, or agent thereof, shall be responsible for any damage or liability occurring by reason of any negligence or anything done or omitted to be done by the other Party, or its officers, employees or agents, under or in connection with any work, authority or jurisdiction delegated under this Agreement. It is understood and agreed that, pursuant to Government Code Section 895.4, each Party hereto shall fully defend, indemnify, and save harmless the other Party to this Agreement and all of their respective officers, employees, and agents from all claims, suits, or actions of every name, kind, and description brought for or on account of injury (as defined in Government Code Section 810.8) occurring by reasons of any negligence or anything done or omitted to be done by the indemnifying Party under or in connection with any work, authority, or jurisdiction delegated under this Agreement.
- 13. Cooperation. In the event any claim or action is brought against either Party relating to performance or services rendered under this Agreement, the Parties shall render any reasonable assistance and cooperation which is reasonably necessary to defend such claim or action.
- 14. Termination. Either Party may terminate this Agreement for any reason without penalty or obligation with a ninety (90) calendar day written notice to the other Party. SFS shall pay NORWALK for services satisfactorily rendered to the last working day the Agreement is in effect. Neither Party shall have any other claim against the other Party by reason of such termination.

In the event there is a breach of this Agreement, the other Party, at its sole option, may forthwith terminate this Agreement for cause and obtain damages from the breaching Party resulting from said breach, and maintain all claims, rights, and remedies against the breaching Party, afforded to it under the law.

15. Notices. Any notices, bills, invoices, or reports required by this Agreement shall be given by first class U.S. mail or by personal service. Notices shall be deemed received on (a) the day of delivery if delivered by hand or overnight courier service during NORWALK's and SFS' regular business hours or by facsimile before or during NORWALK's and SFS' regular business hours; or (b) on the third business day following deposit in the United States mail, postage prepaid, to the addresses below, or to such other addresses as the parties may, from time to time, designate in writing pursuant to the provisions of this Section. All notices shall be delivered to the parties are the following addresses:

If to NORWALK: City of Norwalk

Attn: James C. Parker, Executive Director of Regional

Transportation

12700 Norwalk Boulevard

PO Box 1030

Norwalk, CA 90651-1030 Fax: (562) 929-5572

If to SFS: City of Santa Fe Springs

Attn: Noe Negrete, Director of Public Works

11710 E. Telegraph Road Santa Fe Springs, CA 90670

Fax: (562) 409-7651

- 16. Non-Discrimination and Equal Employment Opportunity. In the performance of this Agreement, NORWALK shall not discriminate against any employee, subcontractor, or applicant for employment because of race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation. NORWALK will take affirmative action to ensure that subcontractor and applicants are employed, and that employees are treated during employment, without regard to their race, color, creed, religion, sex, marital status, national origin, ancestry, age, physical or mental handicap, medical condition, or sexual orientation.
- 17. Non-Assignability; Subcontracting. NORWALK shall not assign or subcontract all or any portion of this Agreement. Any attempted or purported assignment or sub-contracting by NORWALK shall be null, void and of no effect.
- 18. Compliance with Laws. The Parties shall comply with all applicable federal, state and local laws, ordinances, codes and regulations in the performance of this Agreement.

- 19. Non-Waiver of Terms, Rights and Remedies. Waiver by either Party of any one or more of the conditions of performance under this Agreement shall not be a waiver of any other condition of performance under this Agreement.
- **20. Attorney's Fees.** In the event that either Party to this Agreement shall commence any legal action or proceeding to enforce or interpret the provisions of this Agreement, the prevailing Party in such action or proceeding shall be entitled to recover its costs of suit, including reasonable attorney's fees.
- 21. Exhibits; Precedence. All documents referenced as exhibits in this Agreement are hereby incorporated in this Agreement. In the event of any material discrepancy between the express provisions of this Agreement and the provisions of any document incorporated herein by reference, the provisions of this Agreement shall prevail.
- 22. Entire Agreement. This Agreement, and any other documents incorporated herein by specific reference, represents the entire and integrated Agreement between NORWALK and SFS. This Agreement supersedes all prior oral or written negotiations, representations or Agreements. This Agreement may not be amended, nor any provision or breach hereof waived, except in a writing signed by the parties which expressly refers to this Agreement.

The parties, through their respective authorized representatives, are signing this Agreement on the date stated in the introductory clause.

CITY OF NORWALK	CITY OF SANTA FE SPRINGS
By: Jesus M. Gomez City Manager Date: 21	By: Ray Cruz City Manager
	ATTEST:
ATTEST:	By: Janet Martinez, CMC
By: Theresa Devoy, CMC	City Clerk
City Clerk	APPROVED AS TO FORM:
APPROVED AS TO FORM:	By:
And And Sa	City Attorney
Arnold M. Alvarez-Glasman	

City Attorney

SCOPE OF SERVICES

NORWALK/SFS MA.

- A. The City of Norwalk will provide administration and coordination activities associated with the SFS Paratransit User Side Subsidy Transportation Program and Norwalk Transit System (NTS) Fixed Route Service Subsidy Program that provides transportation options for its residents and specialized transportation services aka Inter-jurisdictional Taxi voucher service for SFS senior and disabled residents to medical facilities within the Southeast region.
- B. The SFS will reimburse NTS for trips provided by contracted service provider for Inter-jurisdictional Taxi Voucher Coupon service to medical facilities at the face value of the taxi vouchers plus a fifteen percent (15%) administrative fee on the Taxi Voucher Program. Additionally, the City of SFS will provide fare reimbursement on NTS Route 3 for eligible SFS residents that utilize Senior/Disabled ID for free rides. More specifically, City of SFS will be charged the senior fare face value for every passenger utilizing the SFS issued Senior/Disabled ID on NTS Route 3.
- C. NTS will administer SFS' Paratransit User Side Subsidy Transportation Program by overseeing the contract and reviewing trips in accordance with SFS' Taxicab Program requirements and approving payments to contractor along with invoicing SFS monthly for its Paratransit User Side Subsidy Transportation Program expenses which includes a fifteen percent (15%) administrative fee.

City Council Meeting

April 5, 2022

CONSENT AGENDA

<u>Authorize the Purchase of a 3-year Support Agreement, Providing Web Security,</u> Email Protection and Archival Services

RECOMMENDATION

- Authorize the purchase of a 3-year support agreement from GovConnection, Inc. providing web security, email protection, and archival services by piggybacking off of the Region 4 Education Service Center Contract #R210402.
- Authorize the Director of Purchasing Services to issue a purchase order in the amount of \$43,578.93.

BACKGROUND

The City utilizes multiple Barracuda hardware devices to enhance the availability, performance and security of the City's computer systems, including the following:

Web Filtering: Provides spyware, malware and virus detection and protection

E-mail Protection: provides detection and blocking of spam and phishing messages

E-mail Archival Services: provides long-term archival of the City's email system for backup and restoration of messages.

The 3-year agreement will extend our current coverage on Barracuda devices thru September 2025. This agreement includes keeping the devices up to date with the latest firmware and software updates, instant replacement coverage in case of any hardware failures and a subscription to their Advanced Threat Protection service.

Technology Services is recommending to purchase a 3-year support agreement from GovConnection, Inc. in the amount of \$43,578.93. GovConnection, Inc. has been a responsive, reliable hardware and software vendor that Technology Services has used in the past. In addition, GovConnection, Inc. currently has an active contract with Region 4 Education Service Center (ESC) after a comprehensive bid process was conducted in April 2021.

FISCAL IMPACT

The acquisition cost of the licenses is included in the adopted Fiscal Year 2021-22 Budget.

Raymond R. Cruz

City Manager

Attachment(s)

1. GovConnection, Inc. Quote

2. Approval of Contract Award #R210402 (RFP #21-04)

Report Submitted By: Jeff Bailey Date of Report: March 30, 2022

Finance Department



SALES QUOTE

2531421.01

GovConnection, Inc. 732 Milford Road Merrimack, NH 03054 Account Executive: David Spence Phone: (800) 800-0019 ext. 75046 Fax: 603-683-1133
Email: david.spence@connection.com

PLEASE REFER TO THE ABOVE QUOTE # WHEN ORDERING Date: Valid Through:

Account #:

2/17/2022 3/19/2022 S03064

Account Manager: Fax: Email:

Customer Contact: Jeff Bailey
Email: jeffbailey@santafesprings.org

Phone:

(562) 868-0511 x7438 (562) 868-7112

QUOTE PROVIDED TO: AB#: 6014477 CITY OF SANTA FE SPRINGS FINANCE DEPARTMENT 11710 TELEGRAPH RD SANTA FE SPRINGS, CA 90670

SHIP TO: AB#: 21734765 CITY OF SANTA FE SPRINGS JEFF BAILEY 11710 Telegraph Rd City Hall

Santa Fe Springs, CA 90670

(562) 868-0511 (562) 868-0511 x299

DELIVERY	FOB	SHIP VIA	SHIP WEIGHT		TERMS	CONTRACT ID#
5-30 Days A/R/O	Destination	Small Pkg Ground Service Level	.00 lbs		Net 30	R210402

Important Notice: — THIS QUOTATION IS SUBJECT TO THE FOLLOWING Terms of Sale: All purchases from GovConnection, Inc. are subject to the Terms and Conditions of our OMNIA Partners/Region 4 ESC Contract # R210402. Any Order accepted by GovConnection for the items included in this Quotation is expressly limited to those Terms and Conditions; any other terms and conditions referenced or appearing in your Purchase Order are considered null and void. No other terms and conditions shall apply without the written consent of GovConnection, Inc. Please refer to our Quote Number in your order.

order.										
* L	ine #	Qty	Item #	Mfg. Part #	Description	Mfg.	MSRP/List Price	Standard Contract Price	Adjusted Contract Price	Ext Contract Pricing
	1	38	37627245	BSF300A-E	Email Security Gateway 300 1 Month Barracuda -	Barracuda	\$ 110.00	\$ 103.95	\$ 94.37	\$ 3,586.06
	2	38	37627237	BSF300A-A	Email Security Gateway 300 1 Month Barracuda -	Barracuda	\$ 190.00	\$ 179.55	\$ 160.14	\$ 6,085.32
	3	38	37524246	BSF300A-H	1-Month Instant Replacement for ESG 300 Barracuda	Barracuda	\$ 66.00	\$ 62.37	\$ 58.42	\$ 2,219.96
П	4				HW Serial # 1303202 8/19/2022- 9/22/2025					\$ -
	5	28	37517396	BYF410A-E	3/2/2/2/2/3 1-Month Energize Updates Subscription for Web Security Gateway Appliance 410 Barracuda	Barracuda	\$ 130.00	\$ 122.85	\$ 106.96	\$ 2,994.88
	6	28	37517521	BYF410A-H	1-Month Instant Replacement Subscription for Web Security Gateway Appliance 410 Barracuda	Barracuda	\$ 100.00	\$ 94.50	\$ 82.69	\$ 2,315.32
	7	28	37517476	BYF410A-A	Web Security Gateway Appliance 410 Advanced Threat Protection Subscription 1 Month□ Barracuda□ -	Barracuda	\$ 120.00	\$ 113.40	\$ 98.73	\$ 2,764.44
	8				HW Serial # 1451101 6/1/2022- 9/22/2025					\$ -
	9	28	37528685	BYF310A-E	1-Month Energize Updates for Web Security Gateway 310 Barracuda	Barracuda	\$ 55.50	\$ 52.45	\$ 45.66	\$ 1,278.48
	10	28	37528706	BYF310A-H	1-Month Instant Replacement for Web Security Gateway 310 Barracuda	Barracuda	\$ 50.00	\$ 47.25	\$ 41.35	\$ 1,157.80
	11	28	37554357	BYF310A-A	Web Security Gateway Appliance 310 ATP Subscripion 1 mo□ Barracuda□	Barracuda	\$ 55.50	\$ 52.45	\$ 45.66	\$ 1,278.48
	12				HW Serial # 510343 6/1/2023-9/22/2025					\$ -
	13	28	37639537	BBF440A-E	Load Balancer App 440 1 Month□ Barracuda□ -	Barracuda	\$ 77.80	\$ 73.52	\$ 64.00	\$ 1,792.00
	14	28	37639545	BBF440A-H	Load Balancer App 440 1 Month□ Barracuda□ -	Barracuda	\$ 100.00	\$ 94.50	\$ 82.28	\$ 2,303.84
	15				HW Serial # 856731 6/1/2023-9/22/2025					-
	16	28	37565128	BMA350A-E	1-Month Engerize Updates for Message Archiver 350 Barracuda	Barracuda	\$ 160.00	\$ 151.20	\$ 131.65	\$ 3,686.20
	17	28	37644133	BMA350A-B	Message Archiver Application 350 1 Month⊡ Barracuda⊡	Barracuda	\$ 140.00	\$ 132.30	\$ 115.19	\$ 3,225.32
	18	28	37565136	ВМА350А-Н	1-Month Instant Replacement for Message Archiver 350 Barracuda	Barracuda	\$ 130.00	\$ 122.85	\$ 107.48	\$ 3,009.44
	19				HW Serial # 913209 6/1/2023-9/22/2025 1-Month Energize Updates for Web					-
	20	24	37528685	BYF310A-E	Security Gateway 310 Barracuda	Barracuda	\$ 55.50	\$ 52.45	\$ 45.66	\$ 1,095.84
	21	24	37528706	BYF310A-H	1-Month Instant Replacement for Web Security Gateway 310 Barracuda	Barracuda	\$ 50.00	\$ 47.25	\$ 41.35	\$ 992.40
	22	24	37554357	BYF310A-A	Web Security Gateway Appliance 310 ATP Subscripion 1 mo□ Barracuda□	Barracuda	\$ 55.50	\$ 52.45	\$ 45.66	\$ 1,095.84
	23				HW Serial # 527924 9/23/2023-					\$ -
	24	31	37528706	BYF310A-H	9/22/2025 1-Month Instant Replacement for Web Security Gateway 310 Barracuda	Barracuda	\$ 50.00	\$ 47.25	\$ 41.35	\$ 1,281.85
	25	31	37528685	BYF310A-E	1-Month Energize Updates for Web Security Gateway 310 Barracuda	Barracuda	\$ 55.50	\$ 52.45	\$ 45.66	\$ 1,415.46
	26				HW Serial # 953957 3/1/2023-9/22/2025					\$ -
	27				Pricing Valid Until 3/18/2022					\$ -

3/30/2022 Page 1 of 3



SALES QUOTE

2531421.01

GovConnection, Inc. Account Executive: David Spence 732 Milford Road

Merrimack, NH 03054

QUOTE PROVIDED TO:

(562) 868-0511

AB#: 6014477
CITY OF SANTA FE SPRINGS
FINANCE DEPARTMENT
11710 TELEGRAPH RD

SANTA FE SPRINGS, CA 90670

Phone: (800) 800-0019 ext. 75046 Fax: 603-683-1133 Email: david.spence@connection.com

PLEASE REFER TO THE ABOVE QUOTE # WHEN ORDERING

Date: Valid Through: Account #: 2/17/2022 3/19/2022 S03064

Account Manager:

Fax: Email:

Customer Contact: Jeff Bailey
Email: jeffbailey@santafesprings.org

Phone:

(562) 868-0511 x7438 (562) 868-7112

SHIP TO:

AB#: 21734765 CITY OF SANTA FE SPRINGS JEFF BAILEY 11710 Telegraph Rd

City Hall

Santa Fe Springs, CA 90670

(562) 868-0511 x299

DELIVERY	FOB	SHIP VIA	SHIP WEIGHT		TERMS	CONTRACT ID#
5-30 Days A/R/O	Destination	Small Pkg Ground Service Level	.00 lbs		Net 30	R210402

Injustication in the contract with the contract of the contrac

* Line	# Qty	Item #	Mfg. Part #	Description	Mfg.	MSRP/List Price	Standard Contract Price	Adjusted Contract Price	Ext Contract Pricing
								Subtotal	\$ 43,578.93
								Fee	\$ 0.00
								Shipping and Handling	\$ 0.00
								Tax	Exempt!
								Total	\$ 43,578.93

3/30/2022 Page 2 of 3



we solve IT

ORDERING INFORMATION

GovConnection, Inc. DBA Connection
OMNIA Partners/Region 4 ESC Contract #R210402
Contract Expiration: 31 May 2024

Please contact your account manager with any questions

Ordering AddressRemittance AddressGovConnection, Inc.GovConnection, Inc.732 Milford RoadBox 536477Merrimack, NH 03054Pittsburgh, PA 15253-5906

Please reference the Contract # on all purchase orders.

TERMS & CONDITIONS

Payment Terms: NET 30 (subject to approved credit)
FOB Point: DESTINATION (within Continental US)

Maximum Order Limitation: NONE
FEIN: 52-1837891
DUNS Number: 80-967-8782
CEC: 80-068888K
Cage Code: OGTJ3
Business Size: LARGE

WARRANTY: Manufacturer's Standard Commercial Warranty

NOTE: It is the end user's responsibility to review, understand and agree to the terms of any End User License Agreement (EULA).

Important Notice: --- THIS QUOTATION IS SUBJECT TO THE FOLLOWING Terms of Sale: All purchases from GovConnection, Inc. are subject to the Terms and Conditions of our OMNIA Partners/Region 4 ESC Contract #R210402. Any Order accepted by GovConnection for the items included in this Quotation is expressly limited to those Terms and Conditions; any other terms and conditions referenced or appearing in your Purchase Order are considered null and void. No other terms and conditions shall apply without the written consent of GovConnection, Inc. Please refer to our Quote Number in your order.

If you require a hard copy invoice for your credit card order, please visit the link below and click on the Proof of Purchase/Invoice link on the left side of the page to print one: https://www.govconnection.com/web/Shopping/ProofOfPurchase.htm

Please forward your Contract or Purchase Order to:

SLEDOPS@connection.com
QUESTIONS: Call 800-800-0019

FAX: 603.683.0374



April 30, 2021

Robert Marconi
Vice President SLED Sales
GovConnection, Inc. dba Connection – Public Sector Solutions
732 Milford Road
Merrimack, NH 03054
Bob.marconi@connection.com

Re: Award of Contract #R210402

Dear Mr. Marconi:

Per official action taken by the Board of Directors of Region 4 Education Service Center on April 27, 2021, we are pleased to announce that after successful negotiated terms and conditions, GovConnection, Inc. dba Connection – Public Sector Solutions has been awarded an annual contract for the following, based on the sealed proposal (RFP#21-04) submitted on January 19, 2021:

Commodity/Service

Technology Solutions, Products and Services GovConnection, Inc. dba Connection – Public Sector Solutions

Supplier

This contract is effective June 1, 2021 and will expire on May 31, 2024. As indicated above, your contract # is R210402. This contract may be renewed annually for an additional two (2) years if mutually agreed upon by Region 4 ESC/OMNIA Partners, Public Sector and GovConnection, Inc. dba Connection – Public Sector Solutions.

Your participation in the proposal process is appreciated and we look forward to a successful partnership. Please feel free to provide copies of this letter to your sales representative(s) to assist in their daily course of business.

If you have any questions, please contact Deborah Bushnell, the Contract Manager assigned to your contract, at (713) 554-7348 or deborah.bushnell@omniapartners.com.

Sincerely,

-DocuSigned by:

Robert Zingelmann

Chief Financial Officer, Finance and Operations Services

City of Santa Fe Springs

ITEM NO. 9

City Council Meeting

April 5, 2022

PUBLIC HEARING (Continued from March 1, 2022 City Council Meeting)

Consideration of an appeal of Development Plan Approval Case No. 980 and related Environmental Documents (Initial Study/Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program)

Development Plan Approval (DPA 980)

A request for approval to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements on property located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone. (Greenstone SFS, LLC)

RECOMMENDATIONS

- Consider the information presented in this report, including all of the attachments, which collectively provide the necessary background and context; and
- Open the Public Hearing and receive any comments from the public regarding this appeal matter and, thereafter, close the Public Hearing; and
- Deny the appeal by Supporters Alliance for Environmental Responsibility
- Adopt Resolution No. 9774
 - a. Adopting the Initial Study/Mitigated Negative Declaration with Traffic Study (MND) which shows that there is no substantial evidence that the proposed project will have a significant adverse effect on the environment that cannot be mitigated and Mitigation Monitoring and Reporting Program (MMRP); and
 - b. Approving Development Plan Approval Case No. 980, subject to the conditions of approval as contained within Resolution No.190-2021.

BACKGROUND

At the July 12, 2021 Planning Commission meeting, the subject entitlement and related environmental documents were presented by staff for the commissioners' consideration. With no additional comments from the public, Chairperson Arnold closed the Public Hearing and asked the Commissioners if they had any questions for staff or the applicant. Commissioner Rounds made a general statement about the future tenant having a positive benefit to Santa Fe Springs. Both the applicant and the property owner came to the podium to voice their appreciation of staff and ensure the Planning Commissioners that the future tenant of the subject building will provide a positive impact to the City. After a brief discussion, the Planning Commission, unanimously voted in favor of the project, thus approving DPA 980 and the environmental document (Initial Study/Mitigated Negative Declaration).

Approximately one (1) week following the Planning Commission meeting of July 12, 2021, the City Clerk received a formal appeal of the Planning Commissions actions.

Report Submitted By: Vince Velasco Date of Report: March 30, 2022

Planning and Development Department

The appeal was received within the 14-day appeal period, as specified in Section 155.865 of the City's Zoning Ordinance.

Based on recommendations by the City Attorney's office, and consistent with how past appeals have been processed, staff has decided to enact Section 155.866 (C) of the City's Zoning Ordinance and set the appeal as a public hearing before the City Council, allowing staff to address any issues contained within the appeal letter and also allow for further public comment on this matter.

The matter was originally set for an appeal hearing on August 17, 2021. However, the day before the hearing SAFER filed a lengthy letter with an attached report in support of their appeal. In order to address the correspondence, the hearing was continued to September 7, 2021. The matter was further continued to September 20, 2021, October 5, 2021, November 2, 2021, December 7, 2021, January 18, 2022, and March 1, 2022 at which time it was continued to April 5, 2022. The applicant has consented to, or requested, these continuances.

This staff report supplements the original staff report and materials provided to the Planning Commission.

APPEAL

An appeal was filed by the law firm of Lozeau Drury on behalf of Supporters Alliance for Environmental Responsibility ("SAFER"), with a memorandum from SWAPE consultants. The issues raised by the appeal only went to the adequacy of the MND and not to any findings relating to the Development Plan Approval. Both the City's environmental consultant, Blodgett Baylosis Environmental Planning ("BBEP"), and the applicant provided additional material regarding the raised issues.

In order to overcome the findings in the MND, there must be enough relevant information and reasonable inferences that can be made from this information that a fair argument can be made to support a conclusion of a significant impact, even though other conclusions might also be reached. Unsubstantiated or speculative expert opinion does not constitute substantial evidence. The following provides a brief summary of the arguments and responses. In each case, SAFER has failed to provide any substantial evidence of a significant impact and therefore its arguments are without merit.

<u>Energy</u> – SAFER contends that the energy analysis is insufficient because it merely relied on the project's compliance with Title 24 regulations. BBEP's response makes clear that that the energy analysis included such things as worker trips, construction equipment and energy consumption.

Air Quality Impacts

- 1. <u>Refrigeration</u> SAFER argues that the analysis is inadequate because theCalEEMod did not consider a refrigerated warehouse. SAFER provided no evidence that either the proposed warehouse would be used for refrigeration or that a refrigerated warehouse would lead to a significant impact and could have performed its own analysis. Nevertheless, BBEP ran a new CalEEMOD based on a refrigerated warehouse use and the results show that there will not be any significant impacts.
- 2. <u>Parking</u> SAFER argues that the CalEEMod output failed to include parking and therefore underestimates project emissions; again, SAFER put no evidence into the record other than unsubstantiated opinion. BBEP explained that because the project's parking is ancillary to the facility's operation, the CalEEMod does not separately calculate this and parking lots are only used in the model if they would result in trips that were independent of the primary use.
- 3. <u>Demolition</u> SAFER argues that the MND failed to include emissions relating to demolition, but provided no separate analysis. Table 3-1 of the MND clearly includes air emissions relating to demolition.
- 4. <u>Construction Schedule</u> SAFER argued that the air quality analysis was incorrect because it used an 11-month construction schedule instead of 9-months, without actually providing any evidence of a significant impact. BBEP re-ran the model using a 9-months schedule and the impacts were still far below reaching a significant impact.
- 5. <u>Grading</u> SAFER argues that the grading values of the CalEEMod were reduced from 15 to 8 acres for grading and from 22.5 to 7.5 acres for paving. The entire site is only 6.63 acres and even at the reduced acreage that was input into the CalEEMod, the results which showed no significant impacts were overstated.
- 6. Excavation Emissions SAFER argues that the MND failed to include the excavation emissions related to the Remedial Action Plan ("RAP") that requires excavation of the site. The RAP is a separate and distinct project that will take place regardless of whether this planned development is approved and therefore, is not part of this project. Nevertheless, as BBEP's response letter shows, even with the removal of the contaminated soil considered, the emissions are far below the daily thresholds.

Report Submitted By: Vince Velasco Date of Report: March 28, 2022

7. Fontana Trip Generation Study – SAFER argues that the MND improperly relied on the Fontana Trip Generation study. SAFER's assumption is incorrect. As stated by BBEP, the Fontana Study was only used to derive the passenger car equivalent rate to more accurately account for traffic.

Health Risk Assessment ("HRA") – SAFER argues that an HRA was required because the project will create significant cancer risks from diesel particulate matter ("DPM"). BBEP notes that SWAPE's analysis was faulty in that the inputs used by SWAPE were incorrect in that they failed to model new requirements, assumed the warehouse would be operating 24 hours a day, misidentified the location of the sensitive receptors and failed to consider required variables in calculating DPM. Additionally, the applicant provided a Health Risk Assessment prepared by Ganddini Group, a transportation and environmental consulting firm, which concluded that there was no health risk impacts from the project.

<u>Need for Mitigation</u> – SAFER argues that all feasible mitigation measures should be analyzed. This is an erroneous legal argument.

In addition to the responses provided above, the applicant has submitted a technical memorandum from Ganddini Group, which points out that the project site is currently being utilized and the proposed project is actually forecast to result in a net decrease in vehicle trips. As the MND did not take into account existing uses, the environmental impacts relating to energy and air – which are already below a level of significance, are still overstated.

LEGAL NOTICE OF PUBLIC HEARING

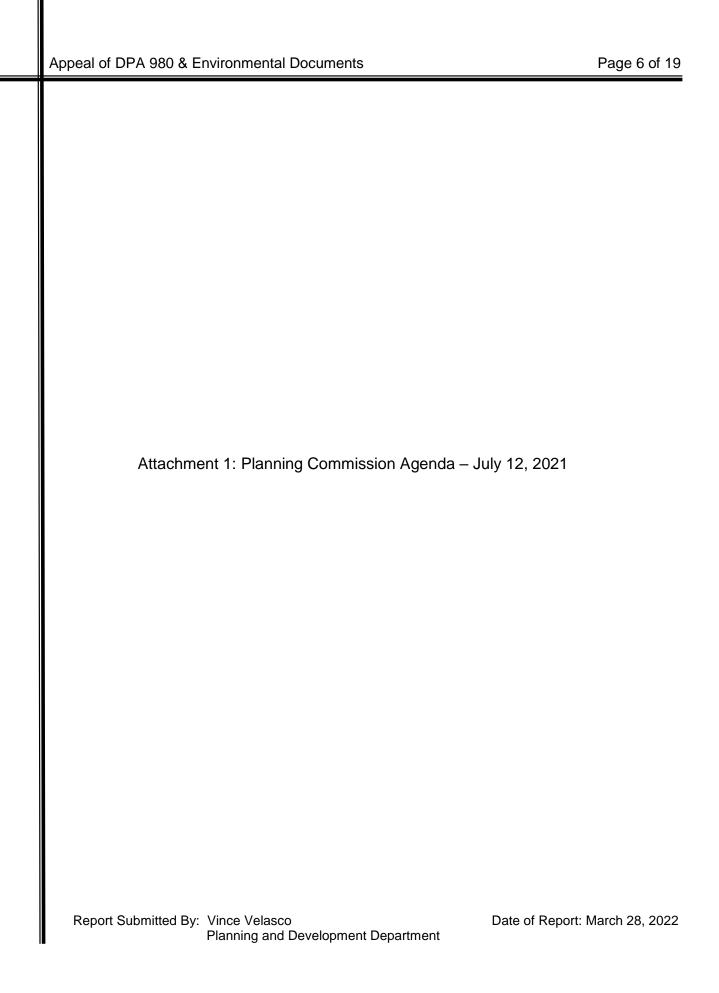
This matter was set for Public Hearing in accordance with the requirements of Sections 65090 et seq. and 65854 of the State Planning, Zoning and Development Laws and the requirements of Sections 155.860 through 155.866 of the City's Municipal Code. Legal notice of the Public Hearing for the proposed appeal was sent by first class mail to all property owners whose names and addresses appear on the latest County Assessor's Roll within 500 feet of the exterior boundaries of the subject property on August 4, 2021. The legal notice was also posted at Santa Fe Springs City Hall, the City Library and the City's Town Center kiosk and published in a newspaper of general circulation (Whittier Daily News) on July 30, 2021, as required by the State Zoning and Development Laws and by the City's Zoning Ordinance. The hearing was opened and continued several times until April 5, 2022.

Raymond R. Cruz

Raymond R. Cruz City Manager

Attachments:

- 1. Planning Commission Agenda July 12, 2021
- 2. Planning Commission Minutes July 12, 2021
- 3. Planning Commission Staff Report with Attachments (DPA 980)
- 4. Initial Study/Mitigated Negative Declaration with Traffic Study
- 5. Staff Presentation to the Planning Commission July 12, 2021
- 6. Letter from SAFER July 12, 2021
- 7. Consultant Response July 12, 2021
- 8. Planning Commission Resolution No. 190-2021
- 9. Appeal July 22, 2021
- 10. Letter from SAFER August 16, 2021
- 11. Consultant Response January 29, 2022
- 12. Letter from Applicant's Attorney February 4, 2022
 - Exhibit A Technical Memorandum Trip Generation and VMT Analysis
 - Exhibit B Health Risk Assessment
- 13. Consultant Response March 24, 2022
- 14. City Council Resolution No. 9774
 - Exhibit A Conditions of Approval
 - Exhibit B Mitigation Monitoring and Reporting Program





City of Santa Fe Springs

Planning Commission Meeting

AGENDA

FOR THE REGULAR MEETING OF THE PLANNING COMMISSION
July 12, 2021
6:00 p.m.

Council Chambers 11710 Telegraph Road Santa Fe Springs, CA 90670

Ken Arnold, Chairperson Gabriel Jimenez, Vice Chairperson Francis Carbajal, Commissioner Johnny Hernandez, Commissioner William K. Rounds, Commissioner

Public Comment: The public is encouraged to address the Commission on any matter listed on the agenda or on any other matter within its jurisdiction. If you wish to address the Commission, please complete the card that is provided at the rear entrance to the Council Chambers and hand the card to the Secretary or a member of staff. The Commission will hear public comment on items listed on the agenda during discussion of the matter and prior to a vote. The Commission will hear public comment on matters not listed on the agenda during the Oral Communications period.

Pursuant to provisions of the Brown Act, no action may be taken on a matter unless it is listed on the agenda or unless certain emergency or special circumstances exist. The Commission may direct staff to investigate and/or schedule certain matters for consideration at a future Commission meeting.

Americans with Disabilities Act: In compliance with the ADA, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the Planning Department. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

Please Note: Staff reports are available for inspection in the Planning & Development Department, City Hall, 11710 E. Telegraph Road, during regular business hours 7:30 a.m. – 5:30 p.m., Monday – Friday (closed every other Friday) Telephone (562) 868-0511.

1. CALL TO ORDER

2. PLEDGE OF ALLEGIANCE

3. ROLL CALL

Commissioners Arnold, Carbajal, Hernandez, Jimenez, and Rounds.

4. ORAL COMMUNICATIONS

This is the time for public comment on any matter that is not on today's agenda. Anyone wishing to speak on an agenda item is asked to please comment at the time the item is considered by the Planning Commission.

5. MINUTES

Approval of the minutes of the June 14, 2021 Planning Commission Meeting

6. PUBLIC HEARING (Continued from June 14, 2021 PC Meeting)

<u>Categorical Exempt – CEQA Guidelines Section 15301, Class 1</u>

Conditional Use Permit Case No. 819

A request for a ten-year approval to allow the ongoing operation and maintenance of an existing mono-palm wireless telecommunication facility (46'-10" facility height) and related unmanned equipment room at 9500 1/2 Norwalk Boulevard (APN: 8002-017-014), within the M-2, Heavy Manufacturing, Zone.

(Core Development Services on behalf of AT&T)

7. PUBLIC HEARING

<u>Categorical Exempt – CEQA Guidelines Section 15301, Class 32</u>

Amendment to Conditional Use Permit (CUP) Case No. 61

Development Plan Approval (DPA) Case No. 983

Amendment to CUP Case No. 61: A request for approval to expand the existing truck terminal use; and

DPA Case No. 983: A request for approval to re-clad the existing approximately 12,500 square foot metal building.

The project site is located at 12133 Greenstone Avenue (APN: 8026-020-017) within the M-2, Heavy Manufacturing, Zone. (Rexford Industrial – 12133 Greenstone, LLC)

8. PUBLIC HEARING

Adoption of Mitigated Negative Declaration

Development Plan Approval (DPA) Case No. 980

A request for approval to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements on property located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone. (Greenstone SFS, LLC)

9. PUBLIC HEARING

Zoning Text Amendment – Billboards Along Interstate 605

Ordinance No. 1118: An ordinance of the City Council of the City of Santa Fe Springs amending Sections 155.003, 155.051, 155.078, 155.109, 155.153, 155.211, 155.229, 155.259, 155.398, 155.515, 155.516, 155.398, 155.518, 155.519, 155.524, 155.529, 155.531, and 155.533 to Title 15 (Land Use), Chapter 155 (Zoning) of the Santa Fe Springs Municipal Code relating to Billboards. (City of Santa Fe Springs)

10. ANNOUNCEMENTS

- Commissioners
- Staff

11. ADJOURNMENT

Americans with Disabilities Act: In compliance with the ADA, if you need special assistance to participate in a City meeting or other services offered by this City, please contact the Planning Department. Notification of at least 48 hours prior to the meeting or time when services are needed will assist the City staff in assuring that reasonable arrangements can be made to provide accessibility to the meeting or service.

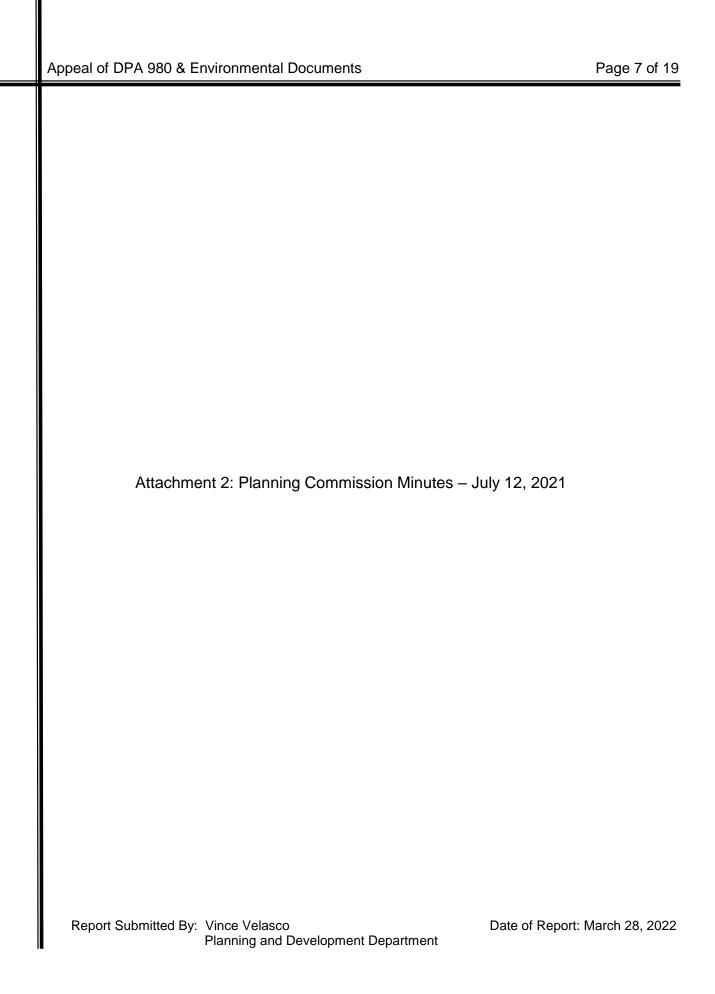
I, Teresa Cavallo, hereby certify under penalty of perjury under the laws of the State of California, that the foregoing agenda has been posted at the following locations; city's website at www.santafesprings.com; City Hall (Entrance Window), 11710 Telegraph Road; the Town Center Plaza (Kiosk), 11740 Telegraph Road, and City Library, 11700 Telegraph Road (Bulletin Board), not less than 72 hours prior to the meeting.

Teresa Cavallo

Planning Secretary

18,20.

Date





APPROVED: August 9, 2021

MINUTES OF THE REGULAR MEETING OF THE SANTA FE SPRINGS PLANNING COMMISSION

July 12, 2021

1. CALL TO ORDER

Chair Arnold called the meeting to order at 6:05 p.m.

2. PLEDGE OF ALLEGIANCE

Chair Arnold led everyone in the Pledge of Allegiance.

3. ROLL CALL

Members present:

Chairperson Arnold

Vice Chairperson Jimenez Commissioner Carbajal Commissioner Hernandez Commissioner Rounds

Staff:

Kathya M. Firlik, City Attorney

Wayne Morrell, Director of Planning Cuong Nguyen, Senior Planner Vince Velasco, Associate Planner Laurel Reimer, Planning Consultant Michael Delgadillo, Planning Intern Teresa Cavallo, Planning Secretary

Council:

None

Members absent:

None

4. ORAL COMMUNICATIONS

None.

5. MINUTES

Approval of the minutes of the June 14, 2021 Planning Commission Meeting

It was moved by Vice Chair Jimenez, seconded by Commissioner Hernandez to approve the minutes as submitted, with the following vote:

Ayes: Arnold, Jimenez, Carbajal, Hernandez, and Rounds

Nays: None Absent: None

PUBLIC HEARING

6. PUBLIC HEARING (Continued from June 14, 2021 PC Meeting)

<u>Categorical Exempt – CEQA Guidelines Section 15301, Class 1</u>

Conditional Use Permit Case No. 819

Recommendations: That the Planning Commission:

- Open the Public Hearing and receive any comments from the public regarding Conditional Use Permit Case No. 819 and thereafter, close the Public Hearing; and
- Find and determine that the proposed project will not be detrimental to persons or properties in the surrounding area or to the City in general, and will be in conformance with the overall purpose and objective of the Zoning Ordinance and will be consistent with the goals, policies and programs of the City's General Plan; and
- Find that the applicant's CUP request meets the criteria set forth in §155.716 of the Zoning Ordinance for the granting of a Conditional Use Permit; and
- Find and determine that pursuant to Section 15301, Class 1 (Existing Facilities), of the California Environmental Quality Act (CEQA), this project is Categorically Exempt; and
- Approve Conditional Use Permit Case No. 819, subject to the conditions of approval as contained within Resolution No. 189-2021 and
- Adopt Resolution No. 189-2021, which incorporates the Planning Commission's findings and actions regarding this matter.

Chair Arnold called upon Senior Planner Cuong Nguyen to present Item No. 6. Present in the audience was applicant's representative Alexander Lew.

Chair Arnold called upon the Planning Commissioners for questions or comments.

Commissioner Rounds inquired about the number of monopalms located within the City. Senior Planner Cuong Nguyen replied that there are approximately 15-20 monopalms located within the City.

There being no further questions from the Planning Commissioners Chair Arnold opened the Public Hearing at 6:17 p.m. and requested if the applicant or anyone from the audience would like to speak on Item No. 6

Applicant's Representative Alexander Lew thanked Senior Planner Cuong Nguyen for a great and thorough presentation. Mr. Lew indicated that the monopalms has been operating for 20 years and has fallen in disrepair and as part of the scope of work the monopalm is being upgraded.

Commissioner Hernandez inquired as to the frequency of maintenance. Mr. Lew responded that monthly inspections are the rule of thumb; however, sites go missed and it falls on the City's Code Enforcement to send notice to get the site repaired.

There being no one else in the audience wishing to speak and the Planning Commissioners having no further questions, Chair Arnold closed the Public Hearing at 6:22 p.m. and requested a motion and second for Item No. 6.

It was moved by Commissioner Hernandez, seconded by Commissioner Carbajal to approve Conditional Use Permit Case No. 819, and the recommendations regarding this entitlements, which passed by the following roll call vote:

Ayes: Arnold, Jimenez, Carbajal, Hernandez, and Rounds

Nays: None Absent: None

Planning Commission Attorney Kathya M. Firlik read the City's appeal process to inform the Planning Commission and public in attendance via zoom.

7. PUBLIC HEARING

Categorical Exempt – CEQA Guidelines Section 15301, Class 32

Amendment to Conditional Use Permit (CUP) Case No. 61

Development Plan Approval (DPA) Case No. 983

Recommendations: That the Planning Commission:

- Open the Public Hearing and receive any comments from the public regarding Amendment to Conditional Use Permit Case No. 61 and Development Plan Approval Case No. 983 and thereafter, close the Public Hearing; and
- Find and determine that the proposed project will not be detrimental to persons or properties in the surrounding area or to the City in general, and will be in conformance with the overall purpose and objective of the Zoning Ordinance and consistent with the goals, policies and program of the City's General Plan; and
- Find that the applicant's CUP request meets the criteria set for in §155.716 of the City's Zoning Ordinance, for the granting of a Conditional Use Permit: and
- Find that the applicant's DPA request meets the criteria set forth in §155.739 of the City's Zoning Ordinance, for the granting of a Development Plan Approval; and
- Find and determine that pursuant to Section 15332, Class 32 (In-fill Development Project) of the California Environmental Quality Act (CEQA), the project is Categorically Exempt; and
- Approve Amendment to Conditional Use Permit Case No. 61 and Development Plan Approval Case No. 983, subject to the conditions of approval as contained within Resolution No. 191-2021; and
- Adopt Resolution No. 191-2021, which incorporates the Planning Commission's findings and actions regarding this matter.

Chair Arnold called upon Senior Planner Cuong Nguyen to present Item No. 7. Present in the audience was applicant's representative Steve Masura, Director of Entitlements, and RJ Rieves, Sr. Project Manager.

Senior Planner Cuong Nguyen notified the Planning Commissioners that the City of Santa Fe Springs received comments from the City of Norwalk that stated no comments.

Chair Arnold called upon the Planning Commissioners for questions or comments.

Commissioner Hernandez requested clarification if the site was a former landfill. Senior Planner Cuong Nguyen confirmed that the site was a former landfill.

Vice Chair Jimenez requested clarification as to the CEQA Exemption. Senior Planner Cuong Nguyen clarified that Class 32 was the correct CEQA Exemption.

Commissioner Rounds commented that the improvements proposed will improve the site.

There being no further questions from the Planning Commissioners Chair Arnold opened the Public Hearing at 6:45 p.m. and requested if the applicant or anyone from the audience would like to speak on Item No. 7

Applicant's Representative Steve Masura, Director of Entitlements notified the Planning Commissioners that Rexford Industries recycles landfills and develops the sites with the intent to bring Top "A" tenants. Applicant's Representative RJ Rieves, Sr. Project Manager thanked Senior Planner Cuong Nguyen and the Planning Commissioners and commented that he looks forward to developing this site and working with the City.

There being no one else in the audience wishing to speak and the Planning Commissioners having no further questions, Chair Arnold closed the Public Hearing at 6:50 p.m. and requested a motion and second for Item No. 7.

It was moved by Commission Rounds, seconded by Commissioner Hernandez to approve Amendment to Conditional Use Permit (CUP) Case No. 61 and Development Plan Approval (DPA) Case No. 983, and the recommendations regarding these entitlements, which passed by the following roll call vote:

Ayes:

Arnold, Jimenez, Carbajal, Hernandez, and Rounds

Nays:

None

Absent: None

Planning Commission Attorney Kathya M. Firlik read the City's appeal process to inform the Planning Commission and public in attendance via zoom.

8. PUBLIC HEARING

Adoption of Mitigated Negative Declaration

Development Plan Approval (DPA) Case No. 980

Recommendations: That the Planning Commission:

- Open the Public Hearing and receive any comments from the public regarding Development Plan Approval Case No. 980 and related Environmental Documents, and thereafter, close the Public Hearing; and
- Find and determine that the proposed project will not be detrimental to persons or properties in the surrounding area or to the City in general, and will be in conformance with the overall purpose and objective of the Zoning Ordinance and consistent with the goals, policies and program of the City's General Plan; and
- Find that the applicant's DPA request meets the criteria set forth in §155.739 of the

- City's Zoning Ordinance, for the granting of a Development Plan Approval; and
- Approve and adopt the proposed Mitigated Negative Declaration and accompanying Mitigation Monitoring and Reporting Program (MMRP) which, based on the findings of the Initial Study, indicates that there is no substantial evidence that the proposed project will have a significant adverse effect on the environment; and
- Approve Development Plan Approval Case No. 980, subject to the conditions of approval as contained within Resolution No. 190-2021; and
- Adopt Resolution No. 190-2021, which incorporates the Planning Commission's findings and actions regarding this matter.

Chair Arnold called upon Associate Planner Vince Velasco to present Item No. 8. Present in the audience were Bobby Nasir, Property Owner and Applicant's Representative Ignacio Crispo.

Chair Arnold called upon the Planning Commissioners for questions or comments.

Commissioner Rounds commented to the applicant to consider a tenant that can generate tax revenue for the City.

There being no further questions from the Planning Commissioners Chair Arnold opened the Public Hearing at 7:08 p.m. and requested if the applicant or anyone from the audience would like to speak on Item No. 8

Applicant's Representative Ignacio Crispo commented that the applicant will strive to secure a tax generated tenant. Mr. Crispo thanked Director of Planning Wayne Morrell, Senior Planner Cuong Nguyen, but especially Associate Planner Vince Velasco for doing a great job on this project.

Property Owner Bobby Nasir gave kudos to Commissioner Rounds and the Planning Commissioners for expressing a request to secure a tax generating tenant. The request makes a difference and helps the process all the way around.

There being no one in the audience wishing to speak and the Planning Commissioners having no further questions, Chair Arnold closed the Public Hearing at 7:11 p.m. and requested a motion and second for Item No. 8.

It was moved by Commissioner Carbajal, seconded by Vice Chair Jimenez to approve Development Plan Approval (DPA) Case No. 980, and the recommendations regarding this entitlements, which passed by the following roll call vote:

Ayes:

Arnold, Jimenez, Carbajal, Hernandez, and Rounds

Nays:

None

Absent: None

Planning Commission Attorney Kathya M. Firlik read the City's appeal process to inform the Planning Commission and public in attendance via zoom.

9. PUBLIC HEARING

Zoning Text Amendment – Billboards Along Interstate 605

Ordinance No. 1118: An ordinance of the City Council of the City of Santa Fe Springs amending Sections 155.003, 155.051, 155.078, 155.109, 155.153, 155.211, 155.229, 155.259, 155.398, 155.515, 155.516, 155.398, 155.518, 155.519, 155.524, 155.529, 155.531, and 155.533 to Title 15 (Land Use), Chapter 155 (Zoning) of the Santa Fe Springs Municipal Code relating to Billboards. (City of Santa Fe Springs)

Recommendations: That the Planning Commission:

- Open the Public Hearing and receive any comments from the public regarding Zoning Text Amendment – Billboards Along Interstate 605 and thereafter, close the Public Hearing; and
- Find that the proposed amendments to the text of the City's Zoning Ordinance are consistent with the City's General Plan; and
- Find and determine that pursuant to Section 15061(b)(3) (Activities Covered by General Rule) of the California Environmental Quality Act (CEQA), the project is Categorically Exempt; and
- Adopt Resolution No. 192-2020, which incorporates the Commission's findings and action regarding this matter; and
- Recommend that the City Council approve and adopt Ordinance No. 1118, to effectuate the proposed amendments to the text of the City's Zoning Ordinance.

Chair Arnold called upon Planning Consultant Laurel Reimer to present Item No. 9.

Planning Consultant Laurel Reimer notified the Planning Commissioners that the City of Santa Fe Springs received comments from the City of Norwalk that stated no comments.

Chair Arnold called upon the Planning Commissioners for questions or comments.

Commissioner Hernandez requested clarification on the number of sites that this ordinance will affect. Planning Consultant Laurel Reimer replied that due to distancing requirements only three (3) sites will be affected by the ordinance.

Chair Arnold inquired if the City has taken into consideration the 605 freeway expansion. Planning Consultant Laurel Reimer notified the Planning Commissioners that Caltrans has notified the City that they do not have the funding to expand the 605 freeway. Ms. Reimer also commented that developers would rather build now to generate revenue and deal with the expansion at a later time.

Chair Arnold also inquired if the area with the Edison right away was considered for declassification. Planning Consultant Laurel Reimer responded that she was unfamiliar with Caltrans' declassification process but she knows that Caltrans was ok with declassifying the areas located within the City because of their location near the underpass which have no landscaping. Should Caltrans declassify the Edison/Park area then staff will have to return to amend the City code to allow for billboards to be located within the A-1 zone.

Commissioner Rounds commented that in a meeting with Caltrans regarding the 605 freeway expansion, Caltrans commented that it would be 20+ years before the 605 freeway expansion begins.

There being no further questions from the Planning Commissioners Chair Arnold opened the Public Hearing at 7:35 p.m. and requested if the applicant or anyone from the audience would like to speak on Item No. 9.

Dollar Self Storage owner Jack Thomson thanked staff for their work and commented that this will benefit everyone driving along the 605 freeway.

Director of Planning Wayne Morrell thanked Planning Consultant Laurel Reimer and Senior Planner Cuong Nguyen for working on this project. Having them working on this project has made a difference.

There being no one in the audience wishing to speak and the Planning Commissioners having no further questions, Chair Arnold closed the Public Hearing at 7:37 p.m. and requested a motion and second for Item No. 9.

It was moved by Commissioner Hernandez, seconded by Commissioner Rounds to recommend that the City Council approve and adopt Ordinance No. 1118, to effectuate the proposed amendments to the text of the City's Zoning Ordinance, and the recommendations regarding this entitlement, which passed by the following roll call vote:

Ayes:

Arnold, Jimenez, Carbajal, Hernandez, and Rounds

Nays:

None

Absent: None

Planning Commission Attorney Kathya M. Firlik read the City's appeal process to inform the Planning Commission and public in attendance via zoom.

10. ANNOUNCEMENTS

Commissioners:

Commissioner Rounds announced that he is glad to see everyone in the Chambers again and thanked Planning Staff for doing such a good job. Commissioner Rounds also indicated he can't wait for the parking lot improvements to be completed.

Commissioner Jimenez welcomed everyone back.

Commissioner Carbajal commented that under Director of Planning Wayne Morrell his staff is top notch.

Both Commissioners Hernandez and Chair Arnold expressed the same sentiments.

Staff:

None.

11. ADJOURNMENT

Chair Arnold adjourned the meeting at 7:45 p.m. to the next regular Planning Commission meeting scheduled for August 9, 2021 at 6:00 p.m.

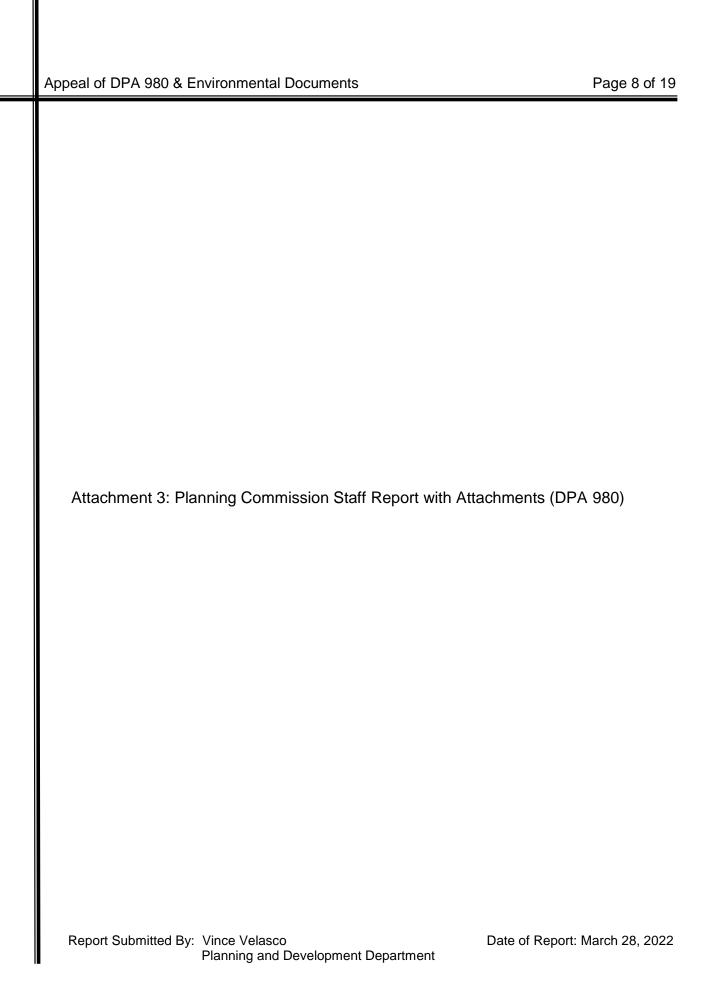
ATTEST:

Teresa Cavallo

Planning Secretary

Acting Chair

Date





Planning Commission Meeting

July 12, 2021

PUBLIC HEARING

Adoption of Mitigated Negative Declaration

Development Plan Approval (DPA) Case No. 980

A request for approval to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements on property located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone. (Greenstone SFS, LLC)

RECOMMENDATIONS:

- Open the Public Hearing and receive any comments from the public regarding Development Plan Approval Case No. 980 and related Environmental Documents, and thereafter, close the Public Hearing; and
- Find and determine that the proposed project will not be detrimental to persons or properties in the surrounding area or to the City in general, and will be in conformance with the overall purpose and objective of the Zoning Ordinance and consistent with the goals, policies and program of the City's General Plan; and
- Find that the applicant's DPA request meets the criteria set forth in §155.739 of the City's Zoning Ordinance, for the granting of a Development Plan Approval; and
- Approve and adopt the proposed Mitigated Negative Declaration and accompanying Mitigation Monitoring and Reporting Program (MMRP) which, based on the findings of the Initial Study, indicates that there is no substantial evidence that the proposed project will have a significant adverse effect on the environment; and
- Approve Development Plan Approval Case No. 980, subject to the conditions of approval as contained within Resolution No. 190-2021; and
- Adopt Resolution No. 190-2021, which incorporates the Planning Commission's findings and actions regarding this matter.

GENERAL INFORMATION

A. Applicant: Greenstone SFS, LLC

7901 Crossway Drive Pico Rivera, CA 90660

B. Property Owner: Babak Nassirzadeh

1820 San Vicente Boulevard Santa Monica, CA 90402

C. Existing Zone: M-2 (Heavy Manufacturing)

Report Submitted By: Vince Velasco Date of Report: July 8, 2021

Planning and Development Department

ITEM NO. 8

D. General Plan: Industrial

E. CEQA Status: Mitigated Negative Declaration

F. Staff Contact: Vince Velasco, Associate Planner

vincevelasco@santafesprings.org

LOCATION / BACKGROUND

The subject property, located at 11401 Greenstone Avenue, is comprised of a single parcel (APN: 8026-018-023) measuring 289,238 sq. ft. (6.64 acres), and located on the west side of Greenstone Avenue. The property is zoned M-2 (Heavy Manufacturing) and is currently occupied by a truck trailer storage facility (JB Hunt Transport Services, Inc.). Industrial uses are located on all four sides. It should also be noted that the property is located within the City's Methane Zone as there is a single oil well on the property to the north and the former Kalico Landfill No.1 just over 1,000 feet to the south.

A majority of the property is unpaved and is currently developed with a modular office/maintenance building at the northeast corner. These improvements will be demolished when the construction activities begin.

The applicant, Greenstone SFS, LLC, is proposing to construct a new ±144,434 sq. ft. concrete tilt-up industrial building on the subject property. In accordance with the City's Zoning Ordinance, a Development Plan Approval is required for the construction of a new building.

DEVELOPMENT PLAN APPROVAL CASE NO. 980

Site Plan

As previously mentioned, the applicant is proposing to construct a new ±144,434 sq. ft. concrete tilt-up industrial building at 11401 Greenstone Avenue (APN: 8026-018-023). The proposed industrial building will be setback a minimum 89'-1" from the front property line along Greenstone Avenue. The proposed development will provide two (2) driveways along Greenstone Avenue for ingress and egress, both 40' in width. Parking and landscaping for the subject property is distributed throughout the property.

Floor Plan

The floor plan indicates that the proposed industrial building will measure ±144,434 sq. ft., with 2,481 sq. ft. designated as first floor office area, 2,940 sq. ft. as office mezzanine, 4,018 sq. ft. as storage mezzanine, and the remaining 134,995 sq. ft. designated for warehouse/manufacturing use. It should be noted that the speculative building is designed with the potential for multiple tenants. However, tenant improvements will be submitted through the plan check process to determine the specific leasing area for each tenant should the building be occupied by multiple

Report Submitted By: Vince Velasco Date of Report: July 8, 2021

tenants.

Elevations

The elevations indicate that the proposed industrial building will have a contemporary design. Since the building has been designed for multiple tenants, the applicant is proposing two main office entries at the northeast and northwest corners of the building. The entry to both office areas (north and east elevations) are provided with extensive glazing, color variation, pop-outs, height variation, and a mixture of materials used. The remaining elevations have been provided with a combination of the aforementioned architectural treatments, which results in an aesthetically pleasing building. The most unique feature of the proposed project is the longboard cladding, used in modern architectural designs. The horizontal siding will help contrast the concrete walls and separate itself from other industrial projects.

Landscape Requirement

For maximum value, a majority of the landscaping will be provided along the setback areas that adjoins the street (Greenstone Avenue). Additionally, as required by the Code, the applicant will landscape at least 6% of the parking area. The minimum landscape requirement for the project, based on the overall street frontage of 337' and 62,000 sq. ft. of parking area is 12,145 sq. ft. According to the conceptual landscape plan, the applicant will be providing an overall total of 17,425 sq. ft. of landscaping throughout the site. The project, therefore, exceeds the minimum requirement set forth in the City's Zoning Ordinance.

Parking Requirements

A total of 205 parking stalls will be provided for the new building: 139 standard stalls, 32 parallel stalls, 16 clean air, 10 electric vehicle, and 8 accessible stalls. Due to the multi-tenant design of the building, the project is required to provide a total of 205 parking stalls. It should be noted that if the building is only occupied by a single tenant, the proposed development will then exceed the number of required parking stalls.

- Single Tenant Calculation 1 stall per 500 sq. ft. for the first 20,000 sq. ft. = 40 stalls, 1 stall per 750 sq. ft. for the next 80,000 sq. ft. = 107 stalls, and 1 stall per 1,000 sq. ft. for the remaining 44,434 sq. ft. = 45 stalls.
- Multiple Tenant Calculation 1 stall per 500 sq. ft. for the first 40,000 sq. ft. = 80 stalls, 1 stall per 750 sq. ft. for the next 60,000 sq. ft. = 80 stalls, and 1 stall per 1,000 sq. ft. for the remaining 44,434 sq. ft. = 45 stalls.

Pursuant to Section 155.487 (F) of the City's Zoning Ordinance, because the proposed industrial/warehouse building is 100,000 sq. ft. or more, the development

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is also required to provide one (1) truck parking stall (12' x 53') for every four (4) dock high doors. With 16 dock high doors proposed, the project is required to provide a total of 4 truck parking stalls. The plans indicate that a total of four (4) truck parking stalls will be provided within the loading area. The proposed project, therefore, meets the minimum parking requirements set forth by the City's Zoning Ordinance.

Loading/ Roll Up Doors

According to the plans, the proposed building will have a total of 18 loading doors, including two (2) grade level doors and 16 dock high doors, along the north elevation. All loading doors are strategically placed so that they will not be directly visible from Greenstone Avenue. Additionally, the applicant will provide a 14' high concrete screen wall to provide additional screening for on-site truck loading activities.

Per the City's Zoning Ordinance, all off-street truck loading areas, zones, ramps, doors, wells, or docks shall be designed to provide and maintain a minimum unobstructed area of 120' to allow for proper truck maneuvering on-site. As proposed, the design will provide the required unobstructed area in all necessary locations.

Trash Enclosures

According to the site plan, two trash enclosures (461 sq. ft. each) will be located along the north elevation of the building. Each enclosure will be placed on opposite sides of the loading area to accommodate the potential for multiple tenants. The proposed trash enclosures are also strategically placed behind the proposed 14' high concrete screen wall and will not be visible or accessible to the public.

STREETS AND HIGHWAYS

The subject site is located on the west side of Greenstone Avenue. Greenstone Avenue is designated as a local industrial street, within the Circulation Element of the City's General Plan.

ZONING AND LAND USE

The subject property is zoned M-2 (Heavy Manufacturing). The property has a General Plan Land Use designation of Industrial. The zoning, General Plan and land use of the surrounding properties are as follows:

Surrounding Zoning, General Plan Designation, Land Use							
Direction Zoning District		General Plan	Land Use (Address/Business Name)				
North	M-2, Heavy Manufacturing, Zone	Industrial	Medical Supply Distribution (11333 Greenstone Ave./TwinMed)				

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South	M-2, Heavy Manufacturing, Zone	Industrial	Manufacturing (11529 Greenstone Ave./Maruichi American Corp.)
East	M-2, Heavy Manufacturing, Zone	Industrial	Trade School/Fire Academy (11400 Greenstone Ave./Rio Hondo College Fire Academy)
West	M-2, Heavy Manufacturing, Zone	Industrial	Steel Pipe Distribution (11680 Bloomfield Ave./Kelly Pipe Co., LLC)

LEGAL NOTICE OF PUBLIC HEARING

This matter was set for Public Hearing in accordance with the requirements of Sections 65090 and 65091 of the State Planning, Zoning and Development Laws and the requirements of Sections 155.860 through 155.864 of the City's Municipal Code.

Legal notice of the Public Hearing for the proposed project was sent by first class mail to all property owners whose names and addresses appear on the latest County Assessor's Roll within 500 feet of the exterior boundaries of the subject property on June 30, 2021. The legal notice was also posted in Santa Fe Springs City Hall, the City's Town Center Kiosk, the City's Library, and published in a newspaper of general circulation (Whittier Daily News) on July 1, 2021, as required by the State Zoning and Development Laws and by the City's Zoning Ordinance. As of the date of this report, staff has not received any comments and/or inquiries regarding the proposed project.

ZONING REQUIREMENTS

The procedures set forth in Section 155.736 of the Zoning Ordinance, states that a DPA is required for the siting of new structures or additions or alterations to existing structures.

Code Section:	Development Plan Approval
155.736	Section 155.736 The purpose of the development plan approval is to assure compliance with the provisions of this chapter and to give proper attention to the siting of new structures or additions or alterations to existing structures, particularly in regard to unsightly and undesirable appearance, which would have an adverse effect on surrounding properties and the community in general.

ENVIRONMENTAL DOCUMENTS

The environmental analysis provided in the Initial Study indicates that the proposed project will not result in any significant adverse immitigable impacts on the environment, therefore, the City caused to be prepared and proposed to adopt a

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Mitigated Negative Declaration (MND) for the proposed project. The MND reflects the independent judgment of the City of Santa Fe Springs, and the environmental consultant, Blodgett/Baylosis Environmental Planning.

Phases in the Environmental Review Process:

The implementation of the California Environmental Quality Act (CEQA) entails three separate phases:

- 1. The first phase consists of preliminary review of a project to determine whether it is subject to CEQA
- 2. If the project is subject to CEQA, the second phase involves the preparation of an Initial Study to determine whether the project may have a significant environmental effect.
- 3. The third phase involves the preparation of an Environmental Impact Report (EIR) if the project may have a significant environmental effect of a Negative Declaration or Mitigated Declaration if no significant effects will occur.

<u>Phase 1</u>: The first phase is to determine if the proposed project is subject to CEQA. CEQA applies to an activity that (a) involves the exercise of an agency's discretionary powers, (b) has the potential to result in a direct or reasonable foreseeable indirect physical change in the environment, and (c) falls within the definition of a "project" as defined in CEQA Guidelines Section 15378. City Staff and Blodgett/Baylosis Environmental Planning reviewed the proposal and determined that the project is subject to CEQA

Phase 2: The second phase involves the preparation of an Initial Study. An Initial Study is a preliminary analysis to determine whether an EIR or a Negative Declaration or Mitigated Negative Declaration is needed. If the Initial Study concludes that the proposed project may have a significant effect on the environment that cannot be mitigated, an EIR should be prepared. If no potentially significant impacts are identified, then a Negative Declaration can be prepared. If potentially significant impacts are identified that can be mitigated, then a Mitigated Negative Declaration can be prepared with mitigated measures conditioned as part of the project's approval to reduce potentially significant impacts to levels of insignificance. To facilitate the Commission's determination whether "effects" are potentially significant, the Commission should focus on scientific and factual data. Unfortunately, CEQA does not provide a definitive definition of what constitutes a "significant effect" as a substantial or potentially substantial adverse change in the physical environment. City Staff and Blodgett/Baylosis Environmental Planning determined, through the preparation of the Initial Study, that there were no potentially significant environmental effect that could not be mitigated to a level of insignificance and, therefore, a Mitigated Negative Declaration was prepared.

Phase 3: A Mitigated Negative Declaration is a written statement, briefly explaining

why a proposed project will not have a significant environmental effect and includes a copy of the Initial Study justifying this finding. Included within the Initial Study are mitigation measures to avoid potentially significant effects. City Staff and Blodgett/Baylosis Environmental Planning determined that, although, the proposed project could have a significant effect on the environment, revisions in the project have been made by or agreed to by the project applicant or mitigation measures are being implemented to reduce all potentially significant effects to levels of insignificance. As a result, a Mitigated Negative Declaration was prepared for the project.

Draft MND Review:

The Draft Initial Study/Mitigated Negative Declaration reflects the independent judgment of the City of Santa Fe Springs and the environmental consultant, Blodgett/Baylosis Environmental Planning, as to the potential environmental impacts of the proposed project on the environment. The Draft Initial Study/Mitigated Negative Declaration was circulated for the required 20-day public review and comments from June 1, 2021 to June 21, 2021. The Notice of Intent to adopt a Mitigated Negative Declaration was posted with the Los Angeles County Clerk. The Planning Commission were emailed a copy of the Draft Initial Study/Mitigated Negative Declaration on June 7, 2021. A copy of the Initial Study/Mitigated Negative Declaration was also mailed to all responsible and trustee agencies as well as surrounding cities for their review and comment.

On June 1, 2021, the City released the Draft IS/MND, along with the accompanying Traffic Study. These materials were made available to the public throughout the 20-day review and comment period. The public comment period for the Draft IS/MND ended June 21, 2021 and, to date, no comments were received. All materials were made available for review at the following locations:

- Los Angeles County Recorder's Office Website: https://apps.lavote.net/CEQA/Search/Results/10#res
- City of Santa Fe Springs Website: https://www.santafesprings.org/cityhall/planning/planning/environmental_documents.asp

When reviewing the Mitigated Negative Declaration/Initial Study, the focus of the review should be on the project's potential environmental effects. If persons believe that the project may have a significant effect, they should, (a) Identify the specific effect; (b) Explain why they believe the effect would occur, and; (c) Explain why they believe the effect would be significant.

Individuals who believe there are significant effects as outlined above, should also explain the basis for their comments and submit data or reference offering facts, reasonable assumptions based on facts or expert opinion supported by facts in support of the comments. Pursuant to CEQA Guidelines, an effect shall not be considered significant in the absence of substantial evidence.

Report Submitted By: Vince Velasco Date of Report: July 8, 2021
Planning and Development Department

Potentially Affected Environmental Factors:

The draft Initial Study/Mitigated Negative Declaration has identified several factors that may be potentially affected by the subject project which include: *Cultural Resources, Hazardous Materials, and Tribal Cultural Resources.* These factors and their respective pertinent issues are discussed and analyzed within the Initial Study/Mitigated Negative Declaration. Mitigations, where necessary, were implemented to help ensure potential impacts are reduced to a less than significant level. A detailed analysis can be found in the Initial Study/Mitigated Negative Declaration and corresponding Mitigated Monitoring and Reporting Program.

Mitigation Monitoring:

The monitoring and reporting on the implementation of these measures, including the monitoring action, monitoring agency, and the period for implementation, are identified in the Mitigation Monitoring and Reporting Program (Attachment #4).

AUTHORITY OF PLANNING COMMISSION

The Planning Commission has the authority, subject to the procedures set forth in the City's Zoning Ordinance, to grant a Development Plan Approval when it has been found that said approval is consistent with the requirements, intent and purpose of the City's Zoning Ordinance. The Commission may grant, conditionally grant or deny approval of a proposed development plan based on the evidence submitted and upon its own study and knowledge of the circumstances involved, or it may require submission of a revised development plan.

STAFF REMARKS

Based on the findings set forth in the attached Resolution (190-2021), Staff finds that the applicant's request meets the criteria set forth in §155.739 of the City's Zoning Ordinance, for the granting of a Development Plan Approval.

CONDITIONS OF APPROVAL

Conditions of approval for DPA 980 are attached to Resolution 190-2021 as Exhibit A.

Report Submitted By: Vince Velasco Date of Report: July 8, 2021

Planning and Development Department

Wayne M. Morrell Director of Planning

Attachments:

- 1. Aerial Photograph
- 2. Public Hearing Notice
- 3. Radius Map for Public Hearing Notice
- 4. Draft Mitigated Negative Declaration & Mitigation Monitoring and Reporting Program (MMRP) (previously emailed to Planning Commission on 6/7/2021)
- 5. Resolution 190-2021
 - a. Exhibit A Conditions of Approval
- 6. Full Set of Proposed Plans

Attachment #1: Aerial Photograph



CITY OF SANTA FE SPRINGS



AERIAL PHOTOGRAPH

DEVELOPMENT PLAN APPROVAL CASE NO. 980



11401 Greenstone Avenue (Applicant: Greenstone SFS, LLC)

Report Submitted By: Vince Velasco

Planning and Development Department

Date of Report: July 8, 2021

Attachment #2: Public Hearing Notice







11710 Telegraph Road • CA • 90670-3679 • (562) 868-0511 • Fax (562) 868-7112 • www.santafesprings.big

"A great place to live, work, and play"

CITY OF SANTA FE SPRINGS NOTICE OF PUBLIC HEARING DEVELOPMENT PLAN APPROVAL CASE NO. 980

NOTICE IS HEREBY GIVEN that the Planning Commission of the City of Santa Fe Springs will hold a Public Hearing to consider the following:

DEVELOPMENT PLAN APPROVAL CASE NO. 980 - A request for approval to allow the construction of a new ± 144,434 sq. ft. concrete tilt-up industrial building and related improvements.

PROJECT SITE: The project site is located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone.

APPLICANT: Bobby Nassir, Greenstone SFS, LLC

THE HEARING will be held before the Planning Commission of the City of Santa Fe Springs in the Council Chambers of the City Hall, 11710 Telegraph Road, Santa Fe Springs, on **Monday**, **July 12**, **2021 at 6:00 p.m.**

CEQA STATUS: Upon review of the proposed project, staff has determined that additional environmental analysis is required to meet the requirements of the California Environmental Quality Act (CEQA). The applicant has since retained Marc Blodgett of Blodgett Baylosis Environmental Planning and Crown City Engineers to prepare the necessary Initial Study/Mitigated Negative Declaration and associated Traffic Study. The draft CEQA documents are finalized and an NOI (Notice of Intent) to adopt the Mitigated Negative Declaration was posted in the LA County Recorder's Office to initiate the mandatory 20-day public review period on June 1, 2021. Additionally, the project site is not listed on the Hazardous Waste and Substance Site List (Cortese List) as set forth in Government Code Section 65962.5.

ALL INTERESTED PERSONS are invited to attend the Public Hearing before the Planning Commission and express their opinion on the subject item(s) listed above. It should be noted that if you challenge the afore-mentioned item(s) in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the office of the Commission at, or prior to, the Public Hearing.

John M. Mora Mayor •Annette Rodriguez, Mayor Pro Tem City Council Jay Sarno • Juanita Trujillo • Joe Angel Zamora City Manager Raymond R. Cruz

Report Submitted By: Vince Velasco

Planning and Development Department

Date of Report: July 8, 2021

Attachment #2: Public Hearing Notice

FURTHER INFORMATION on this item may be obtained at the City of Santa Fe Springs Planning Department, 11710 Telegraph Road, Santa Fe Springs, California 90670 or by telephone or e-mail: (562) 868-0511, extension 7353, vincevelasco@santafesprings.org.

Wayne M. Morrell Director of Planning City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670

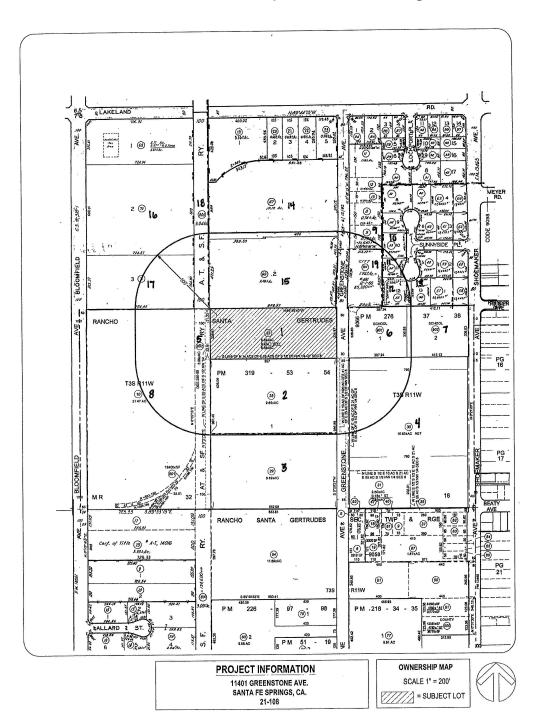
John M. Mora Mayor •Annette Rodriguez, Mayor Pro Tem City Council Jay Samo • Juanita Trujillo • Joe Angel Zamora City Manager Raymond R. Cruz

Report Submitted By: Vince Velasco

Planning and Development Department

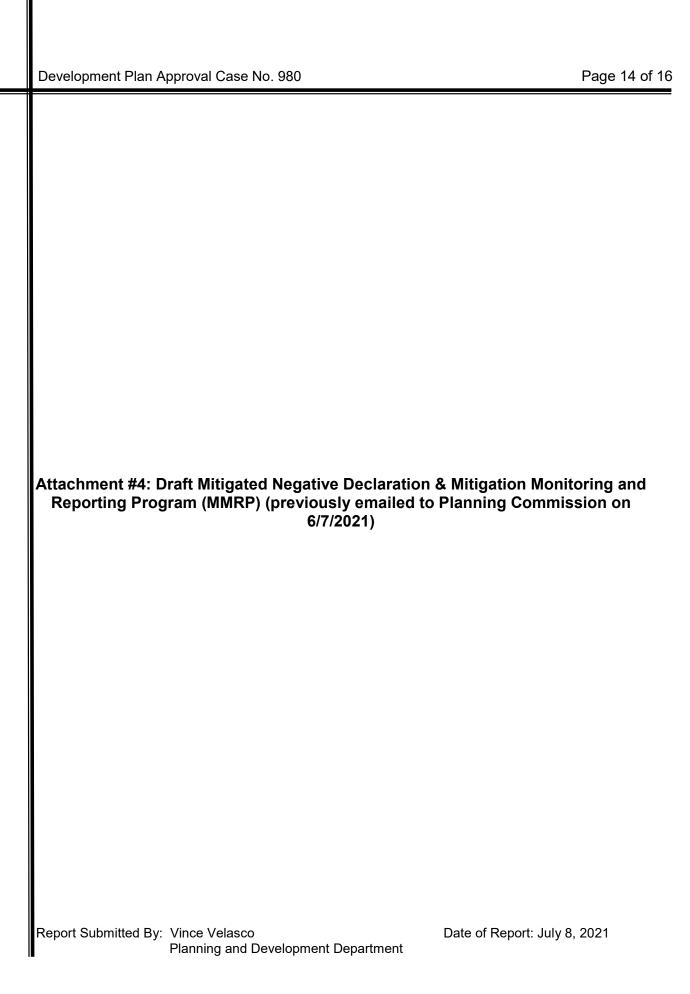
Date of Report: July 8, 2021

Attachment #3: Radius Map for Public Hearing Notice



Report Submitted By: Vince Velasco
Planning and Development Department

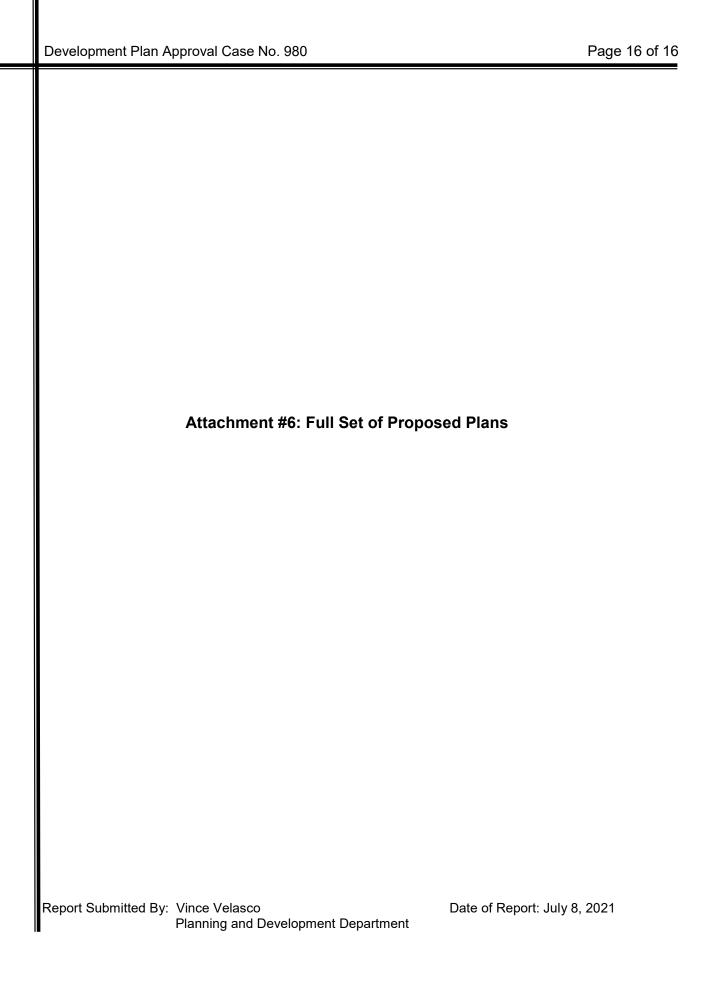
Date of Report: July 8, 2021



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Development Plan Approval Case No. 980

Attachment #5: Resolution 190-2021 **Exhibit A – Conditions of Approval** a.



GREENSTONE INDUSTRIAL

PROPOSED:

NEW ±144,434 S.F. WAREHOUSE AND OFFICE CONCRETE TILT UP SPEC. BUILDING WITH A ±137,476 S.F. FOOTPRINT AND MEZZANINE FLOOR ±6,958 S.F.

FOR:

TRUCK TERMINAL PROPERTIES

CONTACT PERSON: BOBBY NASSIR 1820 SAN VICENTE BLVD. SANTA MONICA, CALIFORNIA TEL (310) 466-7225

PROJECT ADDRESS:

11401 GREENSTONE AVENUE, SANTA FE SPRINGS, CA.



CONSULTANTS

OWNER/DEVELOPER

1820 SAN VICENTE BLVD., SANTA MONICA, CA 90402

STRUCTURAL ENGINEER

CONTACT PERSON: MIKE OLIAIE 7901 CROSSWAY DRIVE PICO RIVERA, CALIFORNIA 90660 TEL (562) 942-9804 FAX (562) 948-1735

ORANGE, CA 92867 (714) 289-2621

CONTACT PERSON: KAMAL ISKANDER 20101 E. VALLEY BLVD., SUITE #E TEL (909)-869-6337 FAX (909) 869-6340

CONTRACTOR

C.E.G. CONSTRUCTION 7901 CROSSWAY DRIVE PICO RIVERA, CALIFORNIA 90660 TEL (562) 948-4850 FAX (562) 948-1735

FIRE SPRINKLERS & SIGNS DESIGN BUILD - UNDER SEPARATE PERMIT

CIVIL ENGINEER

BLUE PEAK ENGINEERING INCORPORATED 18543 YORBA LINDA BLVD., SUITE 235 YORBA LINDA, CALIFORNIA 92886 TEL (714) 749-3077

LANDSCAPE ARCHITECT PHIL MAY DESIGN

CONTACT PERSON: PHIL MAY 1937 WEST NINTH STREET UPLAND, CA 91786 TEL (909) 373-1959

SOILS ENGINEER

SLADDEN ENGINEERING BRETT ANDERSON 6782 STANTON AVENUE, SUITE A BUENA PARK, CA 90621 TEL (714) 523-0952

ABBREVIATIONS

Α		М		T100	TITLE SHE
		741		T200	CONDITI
A & B A.B.	ABOVE AND BELOW	MANU. MAT'L	MANUFACTURER MATERIAL	T210	CONDITI
A.B. ABV	ANCHOR BOLTS ABOVE	MAX.	MAXIMUM		
ADJ	ADJACENT	M.B.	MACHINE BOLT	CIV	'IL (UNDER S
A.F.F. ARCH	ABOVE FINISH FLOOR ARCHITECTURAL	MEZZ. MFG.	MEZZANINE MANUFACTURING		V
	ARCHITECTORAL	M.I.	MALLEABLE IRON	C-1	TITLE SHE
В		MIN. MTD.	MINIMUM MOUNTED	C-2	HORIZO1
B.F.W.	BALLOON FRAMED WALL	WID.	MOUNTED	C-3	HORIZOI
BLDG.	BUILDING	Ν		C-4	HORIZOI
BLK'G BM.	BLOCKING BEAM	(N)	NEW	C-5	PRECISE
BOTT	BOTTOM	N	NORTH	C-6	PRECISE
BRG	BEARING	N/A NAIL'G	NOT APPLICABLE NAILING	C-7	WET UTIL
С		N.E.	NORTHEAST	C-8	PRE DEV
0	0.4.4959	N.T.S.	NOT TO SCALE		CONTRO
C CANT.	CAMBER CANTILEVER	N.W.	NORTHWEST	C-9	POST DE
C.J.	CEILING JOIST	0			CONTRO
CLG CTR	CEILING CENTER	O.C.	ON CENTER	C-10	EROSIO1
CLR	CLEARANCE	О.Н.	OPPOSITE HAND	C-11	LID EXHI
CONC	CONCRETE	OPEN'G	OPENING	C-12	DETAIL S
C.M.U. CONN	CONC. MASONRY UNIT CONNECT, CONNECTON	OPT.	OPTIONAL	C-13	DETAIL S
CONST	CONSTRUCTION	_		C-14	DETAIL S
CONT CS'K	CONTINUOUS	Р		C-15	DETAIL S
C.T.	COUNTERSINK COLLAR TIE	PC'S	PIECES		
		P.E.N.	PLYWOOD EDGE NAILING		
D		PERIM. PLT.	PERIMETER PLATE		D.T. I.D. A. I.
DBL.	DOUBLE	PLC'S	PLACES	ARCHITEC	JURAL
DET D.F.	DETAIL	PLYD. P.T.	PLYWOOD PRESSURE TREATED	4.001	O EN IED A
DIA	DOUGLAS FIR DIAGONAL		FRESSORE IREATED	A001	GENERA
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DIM DIR	DIMENSION DIRECTION	RAF.	RAFTERS	A003	ACCESS
DR.	DOOR	RDWD.	REDWOOD	A004	ADA REC
D.F. DWG	DOOR FRAME	req'd req't	REQUIRED	A005	GBSC N
DWG	DRAWING	RET.	REQUIREMENT RETAINING	A 100	CITE DI A I
Е		RF.	ROOF	A100	SITE PLAI
Е	EAST	S		A110	ENLARG
EA	EACH			A200	OVERAL OVERAL
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E.N.	EDGE NAILING	S.B.	STRONG BACK	A230	
EQ. E.W.	EQUAL	SCH. S.E.	SCHEDULE	A240	ROOF PL
EXP	EACH WAY EXPANSION	SEC.	SOUTHEAST SECTION	A250	ENLARG
(E)	EXISTING	SIM.	SIMILAR	A260	STAIR PL
F		SHT. SHT'G	SHEET SHEATHING	A270 A300	STAIR DE BUILDING
		SIMP.	SIMPSON COMPANY	A400	
F.F. F.HT.	FINISH FLOOR	SPC'G	SPACING		BUILDING
г.пт. F.H.O.B.	FULL HEIGHT FULL HEIGHT OF BLDG.	SPECS SQ.	SPECIFICATIONS SQUARE	A410	WALL SE
F.W.O.B.	FULL WIDTH OF BUILDING	S.F.	SQUARE FEET	A420	WALL SE WALL SE
FIN FLR	FINISH	S.S.D. STL	SEE STR. DRW'GS	A430 A440	
F.J.	FLOOR FLOOR JOIST	STR.	STEEL STRUCTURAL		WALL SE
F.L.O.M.	FULL HEIGHT OF MEMBER	S.W.	SOUTHWEST	A450	WALL SE
F.N. F.O.S.	FACE NAILED	S.W.S. S.W.T.	SHEAR WALL TYPE	A460	WALL SE
F.O.C.	FACE OF STUDS FACE OF CONCRETE	3.44.1.	SHEAR WALL TYPE	A500	WINDOV
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GEN.	GARAGE GENERAL	T.O.C. T.O.L.	TOP OF CONCRETE TOP OF LEDGER		
G.L.B.	GLU-LAM BEAM	T.O.P.	TOP OF PARAPET		
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PERPENDICULAR DIAMETER CENTER LINE

STEEL ANGLE

SHEET INDEX

	T100	TITLE CLIEFT		
	T100 T200	TITLE SHEET CONDITIONS OF APPROVAL		
	T210	CONDITIONS OF APPROVAL		
	CIV	'IL (UNDER SEPARATE PERMIT)		
		,		
	C-1 C-2	TITLE SHEET HORIZONTAL CONTROL PLAN	El	ECTRICAL (UNDER SEPARATE PERMIT)
	C-3	HORIZONTAL CONTROL PLAN		
	C-4 C-5	HORIZONTAL CONTROL PLAN PRECISE GRADING PLAN	E-0.0 E-0.1	GENERAL NOTES, LEGEND AND SLD LOAD AND LIGHTING FIXTURE SCHEDULE
	C-6	PRECISE GRADING PLAN	E-1.0	ELECTRICAL SITE PLAN
	C-7 C-8	WET UTILITY PLAN PRE DEVELOPMENT EROSION	E-1.1 E-2.0	PHOTOMETRIC SITE PLAN LIGHTING PLAN
		CONTROL PLAN	E-2.1	ENLARGED POWER PLAN
	C-9	POST DEVELOPMENT EROSION CONTROL PLAN	E-3.0 E-3.1	TITLE 24 INDOOR SHEETS TITLE 24 OUTDOOR SHEETS
	C-10	EROSION CONTROL NOTES	L 0.1	THEE 24 GOID GON SHEETS
	C-11 C-12	LID EXHIBIT		
	C-12 C-13	DETAIL SHEET DETAIL SHEET	Μ	IECHANICAL (UNDER SEPARATE PERMIT)
	C-14	DETAIL SHEET	M-1.0	MECHANICAL DETAILS, NOTES, PLANS AND
	C-15	DETAIL SHEET	/VI-1.U	SPECIFICATIONS
,			T-24.1 T-24.2	T-24 ENERGY FORMS T-24 ENERGY FORMS
	ARCHITEC	CTURAL	T-24.2	
		OFNED AL MOTES		
	A001 A002	GENERAL NOTES ACCESSIBILITY NOTES		
	A003	ACCESSIBILITY NOTES	PL	lumbing (under separate permit)
	A004 A005	ADA REQUIREMENTS GBSC NOTES	P-1.0	PLUMBING DETAILS, NOTES, PLANS AND
	A 100	CITE DI ANI	P-2.0	SPECIFICATIONS ENLARGED PLUMBING FLOOR PLAN
	A100 A110	SITE PLAN ENLARGED PLAN / SITE PLAN NOTES	P-3.0	PLUMBING ROOF PLAN AND SUMP PUMP
	A200	OVERALL FLOOR PLAN - GROUND FLOOR		DETAILS
	A210 A220	OVERALL FLOOR PLAN - MEZZANINE FLOOR ENLARGED OFFICE FLOORS		
	A230	REFLECTED CEILING PLAN		AND COADING (INDED SERVED AT DED. (IT)
	A240 A250	ROOF PLAN ENLARGED RESTROOM PLANS /ELEVATION	L <i>A</i>	ANDSCAPING (UNDER SEPARATE PERMIT)
	A260	STAIR PLANS, SECTION AND DETAILS	L-1	PLANTING PLAN
	A270 A300	STAIR DETAILS BUILDING ELEVATIONS	L-2 L-3	IRRIGATION PLAN IRRIGATION DETAIL PLAN
	A400	BUILDING SECTIONS		
	A410 A420	WALL SECTIONS WALL SECTIONS		
	A430	WALL SECTIONS		
	A440 A450	WALL SECTIONS WALL SECTIONS		
	A460	WALL SECTIONS		
	A500 AD100	WINDOW AND DOOR SCHEDULE SITE DETAILS		
	AD110	SITE DETAILS		
	AD200 AD300	ROOF DETAILS STUD WALL / CEILING DETAILS		
	AD300 AD310	STUD WALL / CEILING DETAILS		
	AD400 AD500	DOOR / WINDOW DETAILS CASEWORK AND CANOPY DETAILS		
	AD300	CASEWORK AND CANOLL BLIAIS		
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	SN-1.1	GENERAL NOTES		
_	SN-1.2 S-1	GENERAL DETAILS FOUNDATION PLAN		
Ē	S-1.1	ENLARGED MEZZANINE FRAMING &		
	5.0	FOUNDATION ROOF FRAMING PLAN / NAILING		
	S-2 S-3	PANEL ELEVATIONS		
	S-3.1	PANEL ELEVATIONS		
	S-3.2 SD-1	PANEL ELEVATIONS FOUNDATION DETAILS		
	SD-1.1	FOUNDATION DETAILS		
	SD-2 SD-3	PANEL DETAILS ROOF FRAMING DETAILS		

PROJECT DATA

STAIR PLAN AND DETAILS

DESCRIPTION	AREAS	COVERAGE:	50.00%
ZONING	M - 2	TOTAL OFFICE 3.4%	5,000 S.F.
DESCRIPTION RAIN	NCHO SANTA GERTRUDES SECTIONS TOWNSHIP AND NGE LOT COM AT INTERSECTION OF S LINE OF NW 1/4 OF 1/4 OF SEC 8 T 3S R 11W WITH E SEE MAPBOOK FOR ISING PORTION OF NW 1/4 OF SEC 8 T 3S R 11W	LANDSCAPE AREA REQUIRED PARKING AREA = 62,000 S.F.	*25 SF FOR EA 1' OF FRONTAGE, F= 337' = 8,425 SF *6% OF PARKING AREA = 3,720 SF TOTAL REQUIRED = 12,145 SF
ASSESSOR'S PARCE	EL NO: 8026-018-023	LANDSCAPED AREA PROVIDED	LANDSCAPED SETBACK = 6,408 S.F. PARKING AREA = 11,017 S.F.
BUILDING CODE	CBC 2019 with LACOBC 2020 AMENDMENTS		TOTAL = 17,425 S.F.
BLDG. OCCUPANO	CY B S-1	LANDSCAPED AREA MUST BE WATER EF	FICIENT IN COMPLIANCE WITH AB188
BUILDING TYPE	III-B, FULLY SPRINKLERED	PARKING REQUIRED : FIRST 40,000 SQ. FEET	40,000/500 = 80 CARS
LAND AREA:	PARCEL 288,935 S.F. (6.63 AC) GROSS	40,001 TO 100,000 SF OVER100,000 SQ. FEET	60,000/750 = 80 CARS 44,434/1,000 = 45 CARS
CONSTRUCTION TY	PE III-B W/ AUTOMATIC FIRE SPRINKLERS	TOTAL	205 CARS
AREA JUSTIFICATIO	AREA JUSTIFICATION: UNLIMITED AREA PER 507.4, SURROUNDED BY 60' WIDE PUBLIC WAYS OR YARDS, SUCH YARDS CAN BE REDUCED TO 40' IN UP TO 75% OF THE PERIMETER MAX. HEIGHT PER TABLE 504.3 = 75', MAX. NUMBER OF STORIES PER TABLE 504.4 = 2	PARKING PROVIDED: ACCESSIBLE (STANDARD) 14' X ACCESSIBLE (8' VAN) 17' X STANDARD STALLS 8'-6" X	20' 4 - STALLS 19' 139 - STALLS
BUILDING TOTAL AREA	144,434 S.F.	CLEAN AIR STALLS (151-200) 8'-6" X ELEC VEHICLE (151-200) 8'-6" X PARALLEL STALLS 10' X	19' 10 - STALLS
FIRST WAREH		TOTAL	205 - STALLS
FLOOR OFFICE BUILDIN	2,481 S.F. NG FOOTPRINT 137,476 S.F.	TRUCK PARKING (12' X 52') 1 PER 4 TRUCK DE LONG TERM BIKE RACK @ 5% OF PARKING	OORS 4 SPACES 5 SPACES
	E MEZZANINE 2,940 S.F.	SHORT TERM BIKE RACK @ 5% OF 30 VISITOR PARKING	2 SPACES
	GE MEZZANINE 4,018 S.F. MEZZANINE 6,958 S.F.	TRASH ENCLOSURE AREA REQUIRED 1% x 40,000 = 400 S.F. 0.5% x 104,434 = 5	TRASH ENCLOSURE AREA 522 S.F. PROVIDED = 922 S.F.

DEFERRED SUBMITTALS

2019 CALIFORNIA BUILDING CODE

APPLICABLE CODES

- 2019 CALIFORNIA MECHANICAL CODE
- 2019 CALIFORNIA ELECTRICAL CODE
- 2019 CALIFORNIA PLUMBING CODE
- 2019 CALIFORNIA FIRE CODE
- 2019 CALIFORNIA ENERGY STANDARDS
- 2019 CALIFORNIA GREEN BUILDING
- STANDARDS CODE
- 2020 LOS ANGELES COUNTY AMENDMENTS

WINDOW REFERENCE NUMBER DETAIL REFERENCE INTERIOR ELEVATION REFERENCE DOOR REFERENCE NUMBER ROOM REFERENCE NUMBER EXTERIOR ELEVATION REFERENCE REVISIONS REFERENCE NUMBER

KEYNOTE REFERENCE NUMBER

TILT-UP PANEL REFERENCE NUMBER

SHEAR WALL REFERENCE NUMBER

SYMBOLS

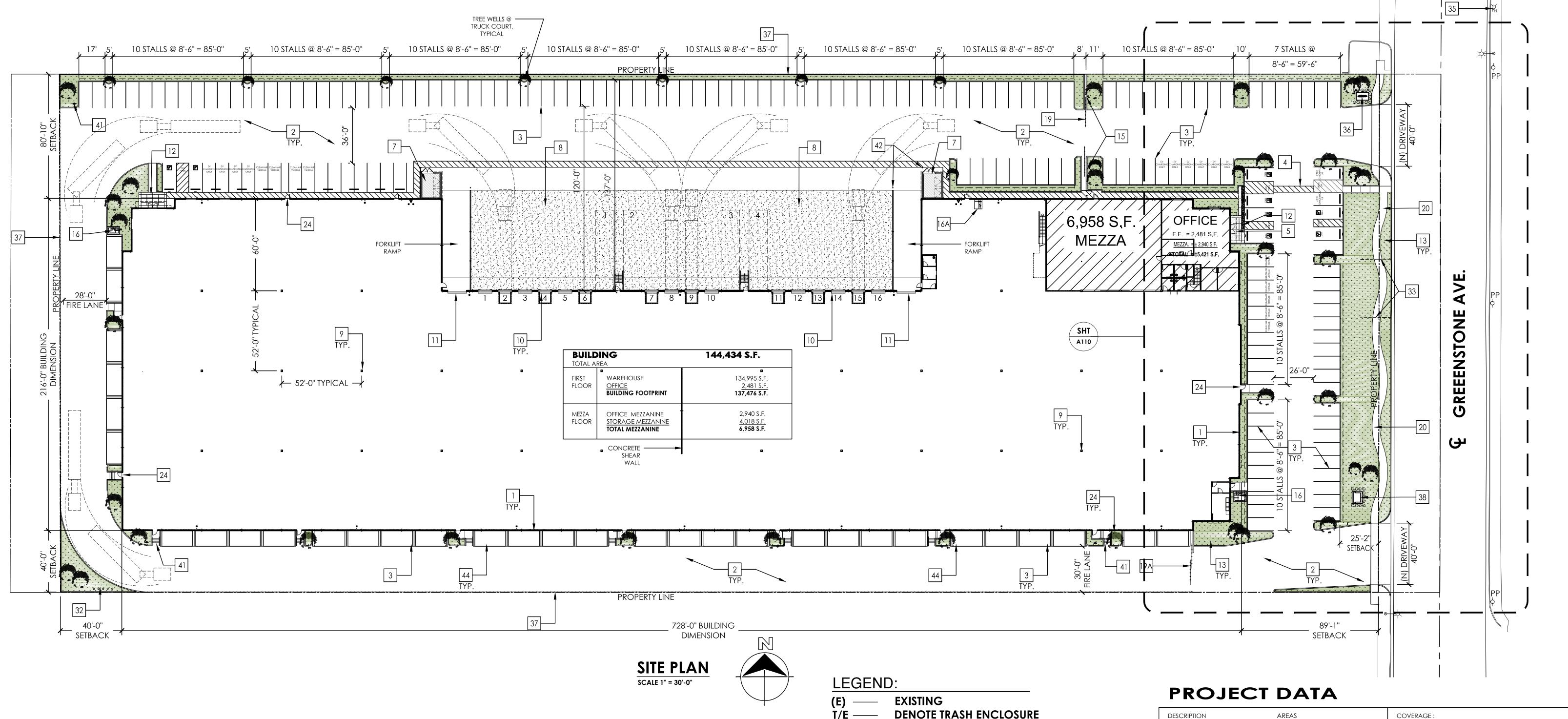
CONTRACTOR OR OWNER/ TENANT AGENTS AND WHERE REQUIRED BY THE GOVERNING AGENCY SHALL BE SUBMITTED FOR PLAN CHECK SEPARATELY UNDER A SEPARATE PERMIT AND PERMIT OF THIS SET OF DOCUMENTS. CONTRACTOR SHALL VERIFY AND COORDINATE ALL DESIGN BUILD SYSTEMS WITH GOVERNING AGENCIES AND OWNER.

DESIGN BUILD SYSTEMS SHALL INCLUDE, BUT NOT LIMITED

- TO THE FOLLOWING:
- 2. STORAGE RACKING SYSTEM 3. RETAINING WALLS OR BLOCK FENCE WALLS
- GREATER THAN 6' HIGH
- 7. FLOOR TJI WOOD TRUSS
- 4. PLANTERS/LANDSCAPING 5. BUILDING SIGNAGE 6. STEEL ROOF GIRDERS AND TRUSSES



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KEY NOTES:

- CONCRETE TITL-UP WALL, SEE STRUCTURAL DRAWINGS
- A.C. PAVING PER CIVIL PLANS AND SOILS REPORT. PARKING STALL STRIPPING (PER CITY OF SANTA FE SPRING STDS.) TYP., SEE DETAIL:
- ACCESSIBLE PATH OF TRAVEL. 48" WIDE (MIN.)
- BUILDING ENTRANCE. PROVIDE FIRE DEPARTMENT KNOX BOX AS REQUIRED
- CATCH BASIN WITH GALVANIZED GRATING. SEE CIVIL PLANS
- TRASH ENCLOSURE, MIN. 6' HIGH SCREEN WALLS WITH METAL DOORS-SEE
- (1-TRASH/1-RECYCLE BIN) PER SANTA FE SPRINGS DISPOSAL STANDARDS, SEE DETAIL: CONCRETE TRUCKWELL- SEE GRADING & STRUCTURAL DWGS.
- STEEL BUILDING COLUMNS. TYP.
- 9' X10' TRUCK DOOR (DOCK HIGH), TYPICAL. SEE DETAIL:
- 7 \ 8 \ 16 12' X14' TRUCK DOOR (GRADE LEVEL) TYPICAL. SEE DETAIL: ACID WASH CONCRETE FINISH. (VERIFY COLOR & PATTERN W/OWNER)
- LANDSCAPE W/AUTOMATIC IRRIGATION SYSTEM SEE LANDSCAPING DWGS. MOUND LANDSCAPE WHERE PATH OF TRAVEL OCCURS TO PROVIDE 3" MAX. GRADE ELEVATION
- 14 28'-0" WIDE MIN. & CLEAR TO THE SKY FIRE LANE W/ FIRE TRUCK TURNABOUT
- STRIPED PER FIRE DEPARTMENT STANDARDS 15 14' HIGH CONC. TILT-UP SCREEN WALL. COLOR & REVEALS TO MATCH BUILDING. SEE STRUCTURAL DRAWINGS
- (1) WELLE CIRCULAR RACK ROUND PIPE (PARKS 4 BICYCLE) MODEL #WCRO2-IC AS MANUF. BY PALMER GROUP FOR SHORT TERM PARKING. SEE DETAIL: (1) WELLE MULTI BEND BICYCLE RACK (PARKS 5 BICYCLE) MODEL #H3605-SM AS MANUF. BY PALMER GROUP FOR LONG TERM PARKING
- TRANSPORTATION DEMAND MANAGEMENT BULLETIN BOARD
- PARKING SPACES FOR CLEAN AIR VEHICLE / CARPOOL PARKING
- 10'-HIGH WROUGHT IRON MANUAL BI-PARTING SLIDING GATE W/ CONC. SCREEN WALL TO COVER TRUCK YARD. PROVIDE FIRE DEPARTMENT KNOX BOX. SEE NOTE #34 ON A-1.1. (BY OTHERS, UNDER SEPARATE PLAN CHECK PERMIT) PROVIDE ELECTRICAL CONDUIT FOR GATE OPENER FUTURE USE. SEE DETAIL:
- 19A 8'-HIGH WROUGHT IRON MANUAL BI-PARTING SLIDING GATE. PROVIDE FIRE DEPARTMENT KNOX BOX. SEE NOTE #34 ON A-1.1. (BY OTHERS, UNDER SEPARATE PLAN CHECK PERMIT)
- 5' WIDE CONCRETE MEANDERING WALKWAY. 5% MAX. SLOPE W/ 2% MAX. CROSS SLOPE MOUND LANDSCAPE WHERE PATH OF TRAVEL OCCURS TO PROVIDE 3" MAX. GRADE ELEVATION DIFFERENCE
- VAN ACCESSIBLE PARKING SIGN, PER DETAIL: —— DESIGNATED SMOKING AREA FURTHER THAN 25'-0" FROM MAIN ENTRY DOORS
- NO SMOKING SIGNAGE WITHIN 25'-0" OF BUILDING ENTRIES, OUTDOOR AIR INTAKES, OPERABLE WINDOWS, AND WITHIN THE BUILDING. 3'X7' MAN DOOR (TYPICAL) WITH 60"x60" LANDING, SEE THRESHOLD DETAIL:
- CATCH BASIN TO SUMP PUMP, SEE PLUMBING DWGS. TYP

- DUAL SUMP PUMP IN 3'-0" X 3'-0" X 3'-0" 2V2D BASIN WITH GRATING, UNDER SEPARATE PERMIT, SEE PLUMBING PLANS
- NTERIOR ROOF DRAIN W/SPLASH BLOCK DRAIN TO A.C. PAVING. SEE DETAIL: CONCRETE SWALE PER CIVIL PLANS
- 9'X18' MIN. ACCESSIBLE PARKING STALL W/ ALL SYMBOLS, SIGNS, RAMPS AS REQUIRED TO MEET TITLE 24 AND ADA REQUIREMENTS - SEE HANDICAP NOTES SHT. A-0.2 & A-0.4
- 6" MIN. HIGH CONCRETE CURB, TYPICAL. SEE GRADING PLANS
- PROPOSED LOCATION MONITORING WELL
- EXISTING DRIVEWAY TO BE REMOVED, SEE GRADING PLAN
- WARNING SIGN FOR ALL DRIVEWAY ACCESSIBLE PARKING. SEE DETAIL: (—

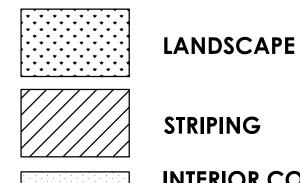
CONCRETE BUMPER, TYPICAL SEE DETAIL:

- 35 (E) 6"x4"x2 1/2" OFF-SITE HYDRANT DOUBLE DETECTOR CHECK ASSEMBLY WITH LANDSCAPE SCREENING. SEE CIVIL PLANS
- 8' HIGH CHAIN LINK FENCE UNDER SEPARATE PERMIT. FENCING AT THE FRONT
- SETBACK SHALL NOT EXCEED 42 INCHES HIGH TRANSFORMER PAD TO BE SCREENED WITH LANDSCAPING PER SCE STANDARDS
- DETECTABLE WARNING TRUNCATED DOME. SEE DETAIL:
- LIGHT POLE STANDARD AREA LIGHTING PER ELECTRICAL PLAN AND DETAIL: (20)NEW 6" x 4" x 2-1/2" ON-SITE PUBLIC FIRE HYDRANT, FOR GUARD POST
- 42 CONCRETE FILLED PIPE BOLLARD PER DETAIL:
- 43 CATCH BASIN WITH GALVANIZED GRATING AND BIO-CLEAN INLET FILTER, SEE CIVIL PLANS
- 44 CONCRETE STAIR

DENOTE TRASH ENCLOSURE DENOTE RECYCLE AREA DENOTE TRANSFORMER PAD **POWER POLE**

FIRE HYDRANT TRUCK DOOR

CONCRETE



STRIPING

PLUMBING DRAWINGS PRIOR TO CONSTRUCTION.

INTERIOR CONC. AT OFFICE SLAB AREA TO RECEIVE 2" SAND OVER 10 MIL. VISQUEEN OVER 2" SAND.

← ← ← ← ACCESSIBLE PATH OF TRAVEL 1:20 MAX. SLOPE

SITE NOTES

DATE OF THE EXCAVATIONS.

- SITE LIGHTING SHALL BE SHIELDED AND WILL NOT IMPACT NEIGHBORING PROPERTIES. GROUND AND FLOOR SURFACES ALONG HANDICAP ACCESSIBLE ROUTES AND IN ACCESSIBLE ROOMS AND SPACES INCLUDING FLOORS, WALKS, RAMPS, STAIRS, AND CURB RAMPS SHALL BE
- 3. THE SOILS REPORT IS A PART OF THIS PROJECT AND SHALL BE READ CAREFULLY. CONCRETE AND GRADING CONTRACTORS ARE RESPONSIBLE FOR ALL CONDITIONS OF THE SOILS REPORT. GRADING CONTRACTOR SHALL TAKE ALL ELEVATIONS FORM THE SURVEY. 4. PROPOSED BUILDING SEWER LINE SHALL TIED TO THE EXISTING USEABLE CITY SEWER REFER TO
- 5. ELECTRICAL CONTRACTOR SHALL PROVIDE 110 VOLT, 20 AMPERES RECEPTACLES FOR IRRIGATION 6. PLUMBING CONTRACTOR SHALL PROVIDE WATER SUPPLY LINES, BACK FLOW PREVENTOR AND
- GATE VALVE FOR LANDSCAPE IRRIGATION SYSTEM. 7. PLUMBING CONTRACTOR SHALL PROVIDE AND INSTALL AN APPROVED SEISMIC GAS SHUT-OFF VALVE PER CALIFORNIA GAS COMPANY SPECIFICATION GUIDELINES.
- STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2". 9. WALKS AND SIDEWALKS SHALL BE 48" MINIMUM IN WIDTH. 10. WALK AND SIDEWALK SURFACES SHALL BE SLIP-RESISTANT AS FOLLOWS: A SURFACES WITH A SLOPE

8. WALKS AND SIDEWALKS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY BY

- OF LESS THAN 6% GRADIENT SHALL BE AT LEAST AS THAT DESCRIBED AS A MEDIUM SALTED FINISH. A SLIP RESISTANT B SURFACES WITH A SLOPE OF 6% OR GREATER GRADIENT SHALL BE SLIP RESISTANT. 11. CONTRACTOR SHALL VERIFY LOCATION AND SIZE OF ALL UTILITY PIPES. 12. THIS OFFICE SHALL NOT BE RESPONSIBLE FOR DAMAGE TO ANY PUBLIC OR PRIVATE UTILITIES UTILITIES
- SHOWN OR NOT SHOWN ON THESE PLANS 13. THE LANDSCAPE DESIGNER RESPONSIBLE FOR ANY LANDSCAPING FOR THIS PROJECT SHOULD BE ADVISED TO UTILIZE PLANTING AND IRRIGATION TECHNIQUES THAT LEND THEMSELVES TO OPTIMUM CONSERVATION OF WATER RESOURCES.
- 14. PLUMBING FIXTURES SHALL BE PROVIDED IN ACCORDANCE WITH TABLE 422.1 SEE A-2.0 FOR FIXTURE **CALCULATIONS** 15. COMPLY WITH PROTECTION OF ADJOINING PROPERTY BY PROVIDING A WRITTEN NOTICE TO THE OWNERS OF ADJOINING BUILDINGS ADVISING THEM THAT AN EXCAVATION DEEPER THAN THE FOUNDATION OF THE ADJOINING BUILDING AND LOCATED LESS THAN EXCAVATION DEPTH TO THE PROPERTY LINE IS TO BE MADE AND THAT THE ADJOINING BUILDINGS SHOULD BE PROTECTED. SAID NOTIFICATION SHALL BE DELIVERED NOT LESS THAN 30 DAYS PRIOR TO THE SCHEDULED STARTING
- 16. PEDESTRIANS SHALL BE PROTECTED DURING CONSTRUCTION, REMODELING AND DEMOLITION ACTIVITIES AS REQUIRED BY COUNTY OF LOS ANGELES BUILDING CODE CHAPTER 33 17. ANY FENCING WITHIN THE FRONT YARD SETBACK SHALL NOT EXCEED 42 INCHES.

DESCRIP1	IION	AREAS	COVERAGE :	50.00%
ZONING		M - 2	TOTAL OFFICE 3.4%	5,000 S.F.
LEGAL DESCRIP	TION RANGE LOT COM AT INT NW 1/4 OF SEC 8 T 3S R	UDES SECTIONS TOWNSHIP AND ERSECTION OF S LINE OF NW 1/4 OF 11W WITH E SEE MAPBOOK FOR NW 1/4 OF SEC 8 T 3S R 11W	LANDSCAPE AREA REQUIRED PARKING AREA = 62,000 S.F.	*25 SF FOR EA 1' OF FRONTAGE, F= 337" = 8,425 SF *6% OF PARKING AREA = 3,720 SF TOTAL REQUIRED = 12,145 SF
ASSESSO	R'S PARCEL NO:	8026-018-023	LANDSCAPED AREA PROVIDED	LANDSCAPED SETBACK = 6,408 S.F PARKING AREA = 11,017 S.F
BUILDING	G CODE CBC 201	9 with LACOBC 2020 AMENDMENTS		TOTAL = 17,425 S.F
BLDG. O	CCUPANCY	<u>B</u>	LANDSCAPED AREA MUST BE WATER EF	FICIENT IN COMPLIANCE WITH AB188
BUILDING	EA: PAR	III-B, FULLY SPRINKLERED CEL 288,935 S.F. (6.63 AC) GROSS DMATIC FIRE SPRINKLERS	PARKING REQUIRED : FIRST 40,000 SQ. FEET 40,001 TO 100,000 SF OVER100,000 SQ. FEET TOTAL	40,000/500 = 80 CAR 60,000/750 = 80 CAR 44,434/1,000 = 45 CAR 205 CAR
	AREA JUSTIFICATION AREA JUSTIFICATION 60' WIDE PUBLIC W TO 40' IN UP TO 75 504.3 = 75' , MAX	N: UNLIMITED AREA PER 507.4, SURROUNDED BY AYS OR YARDS, SUCH YARDS CAN BE REDUCED 5% OF THE PERIMETER MAX. HEIGHT PER TABLE 1. NUMBER OF STORIES PER TABLE 504.4 = 2	PARKING PROVIDED: ACCESSIBLE (STANDARD) 14' X ACCESSIBLE (8' VAN) 17' X STANDARD STALLS 8'-6" X CLEAN AIR STALLS (151-200) 8'-6" X ELEC VEHICLE (151-200) 8'-6" X PARALLEL STALLS 10' X	20' 4 - STALLS 19' 139 - STALLS 19' 16 - STALLS 19' 10 - STALLS
FIRST FLOOR	WAREHOUSE OFFICE BUILDING FOOTPRINT	134,995 S.F. 2,481 S.F. 137,476 S.F .	TOTAL TRUCK PARKING (12' X 52') 1 PER 4 TRUCK D LONG TERM BIKE RACK @ 5% OF PARKING	205 - STALL:
MEZZA FLOOR	OFFICE MEZZANINE STORAGE MEZZANINE TOTAL MEZZANINE	2,940 S.F. 4,018 S.F. 6,958 S.F .	SHORT TERM BIKE RACK @ 5% OF 30 VISITOR PARKING TRASH ENCLOSURE AREA REQUIRED 1% x 40,000 = 400 S.F. 0.5% x 104,434 = 1	2 SPACE TRASH ENCLOSURE AREA 522 S.F. PROVIDED = 922 S F

TRANSPORTATION DEMAND MANAGEMENT

TRIP REDUCTION & TRAVEL DEMAND PROGRAM

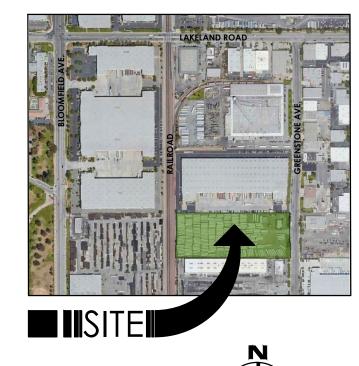
- PROVIDE BULLETIN BOARD (INFORMATION AREA REQUIRED PER SEC. 16.57 OF THE ART. VI " TRIP REDUCTION AND TRAVEL DEMAND PROGRAM"). THE INFORMATION AREA MAY INCLUDE A BULLETIN BOARD, DISPLAY CASE, OR KIOSK, DISPLAYING TRANSPORTATION INFORMATION LOCATED WHERE THE GREATEST NUMBER OF EMPLOYEES ARE LIKELY TO SEE IT. INFORMATION IN THE AREA SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING:
- . CURRENT MAPS, ROUTES & SCHEDULES FOR PUBLIC TRANSIT ROUTES SERVING THE SITE. 2. TELEPHONE NUMBERS FOR REFERRALS ON TRANSPORTATION INFORMATION INCLUDING NUMBERS FOR THE
- REGIONAL RIDESHARING AGENCY AND LOCAL TRANSIT OPERATORS. 3. RIDESHARING PROMOTIONAL MATERIAL SUPPLIED BY COMMUTER-ORIENTED ORGANIZATIONS.
- 4. BICYCLE ROUTE AND FACILITY INFORMATION, INCLUDING REGIONAL/LOCAL BICYCLE MAPS AND BICYCLE SAFETY INFORMATION, AND 5. A LISTING OF FACILITIES AVAILABLE FOR CARPOOLERS, VANPOOLERS, BICYCLISTS, TRANSIT RIDERS AND
- PEDESTRIANS AT THE SITE.

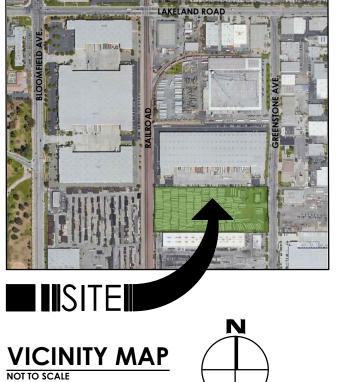
FIRE FLOW CALCULATION:

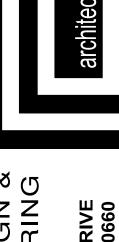
FIRE SPRINKLER SYSTEM TYPE (CBC 903, CFC 903): ESFR SYSTEM THE REQUIRED FIRE FLOW IS BASED ON THE FOLLOWING CALCULATION:

TYPE OF CONSTRUCTION PER THE BUILDING CODE: TYPE III-B FIRE FLOW BASED ON THE TOTAL FLOOR AREA OF ALL FLOOR LEVELS WITHIN THE EXTERIOR WALLS AND UNDER THE HORIZONTAL PROJECTIONS OF THE ROOF OF

THE BUILDING: **5,250 GPM** REDUCTION FOR FIRE SPRINKLERS (MAXIMUM 50%): 2,625 GPM TOTAL FIRE FLOW REQUIRED: 2,625 GPM





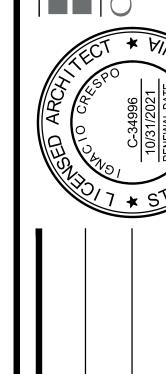


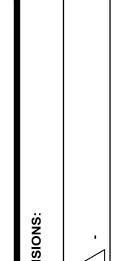
O.C. DESIGN ENGINEERING



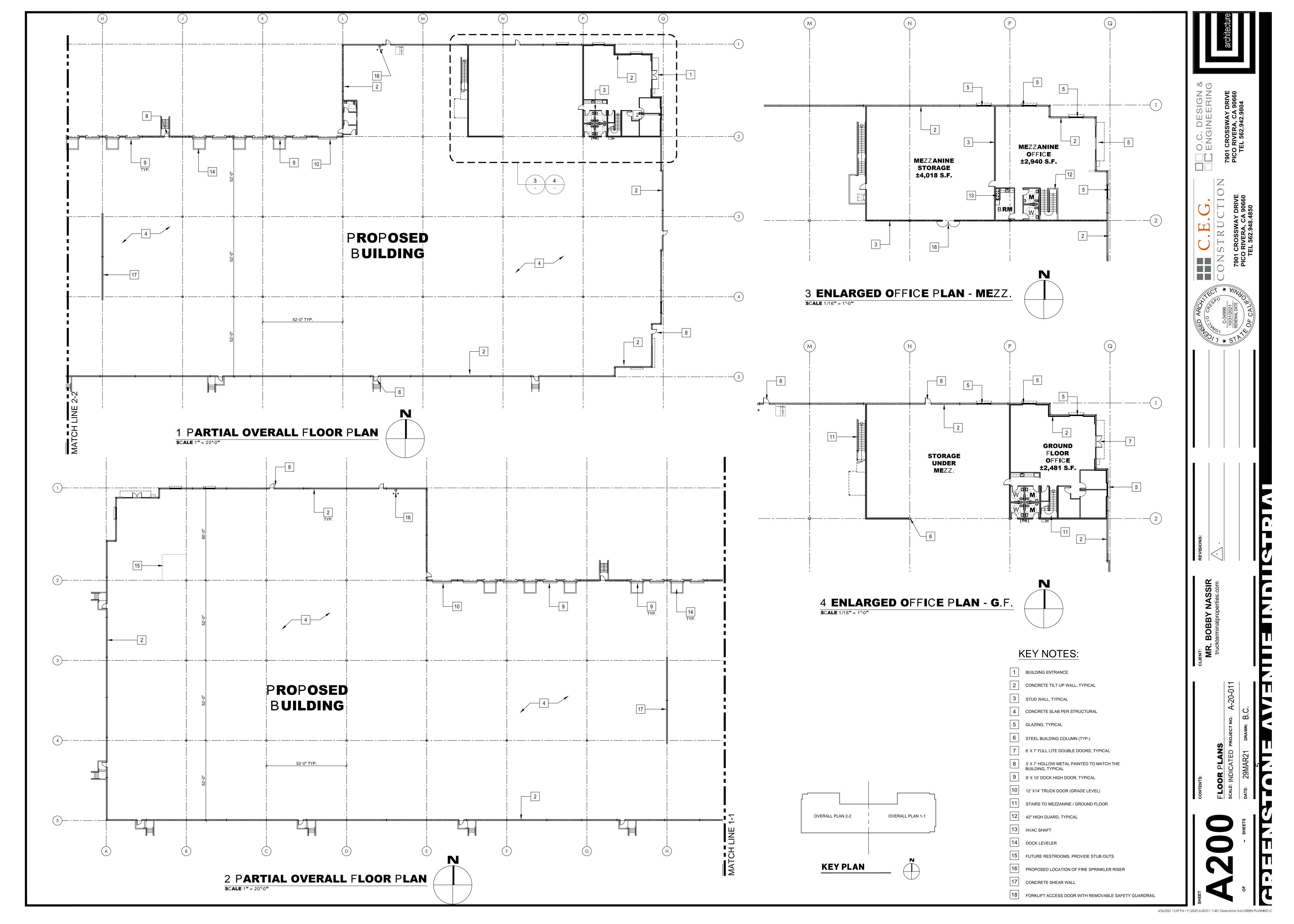


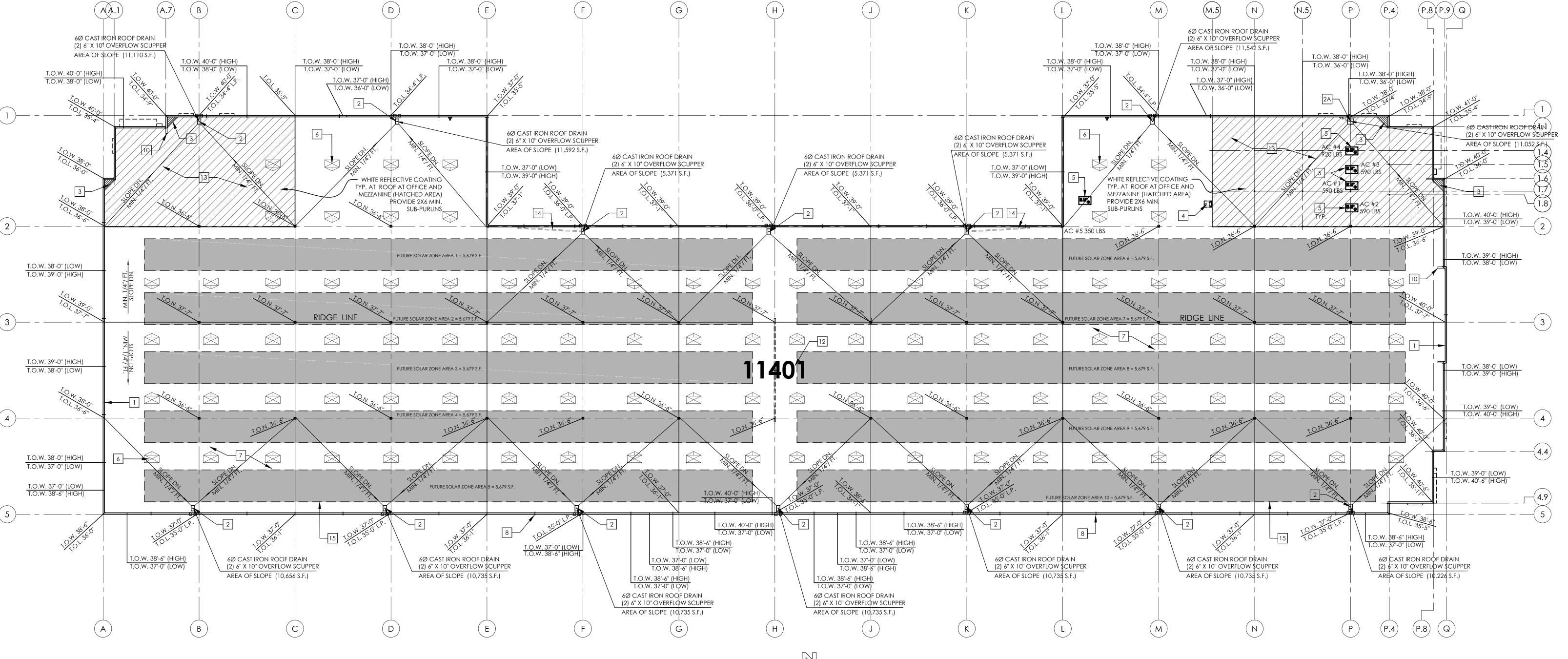






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GENERAL NOTES

- 1. UNDERSIDE OF ROOF SHALL BE INSULATED WITH VENTED FOIL FACED AND KRAFT LINER CAPSHEET INSULATION THROUGHOUT, AT THE TIME OF TENANT IMPROVEMENTS IT SHALL BE REMOVED AND REPLACED WITH R-30 ABOVE CONDITIONED SPACES
- FOR TYPICAL ROOF PENETRATION CLEARANCES SEE DETAIL BUILT-UP ROOF TO BE INSTALLED FOR EXPOSURE "C" 100 MPH. WINDS
- ALL ROOF ELEVATIONS ARE FROM THE FINISH FLOOR TO THE TOP OF FRAMING MEMBER, REFER TO PANEL ELEVATIONS ON STRUCTURAL DRAWINGS FOR EXACT LOCATION 6. CLASS A BUILT-UP COMPOSITION ROOF 4 PLIES 15# ASPHALT FELTS AND 1 PLY 90# MINERAL CAP SHEET,

VERIFY THAT ALL AREAS HAVE 1/4"/FT. MIN. SLOPE TOWARDS TO THE ROOF DRAIN

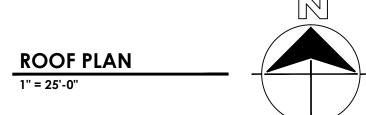
- HOT MOP EACH PLY WITH 25# ASPHALT MOPPING, 275#/SQ.FT.. FIBERGLASS CAP SHEET. 3" FIBER GLASS CANT AT ALL PROJECTIONS AT ROOF SUCH AS ROOF PARAPETS, EQUIPMENT PLATFORMS, CURBS, ETC.
- INSTALL PER MANUFACTURER SPECIFICATIONS. UL CLASS "A" FIRE RATING FH CLASS I FIRE RESISTANCE, ROOFING MAY BE GAF (UL R1306-02) OR EQUAL. 7. CONTRACTOR TO VERIFY AND COORDINATE WITH ALL SUBCONTRACTORS, ALL LOCATIONS AND SIZES OF
- 8. PROVIDE SHAPED INSULATION CRICKETS AS REQUIRED FOR PROPER ROOF DRAINAGE OF 1/4" PER FOOT
- 9. CONTRACTOR TO COORDINATE EXACT SKYLIGHT LOCATION W/ FIRE SPRINKLER AND ROOF FRAMING SUBCONTRACTORS. LOCATION ON DRAWINGS ARE APPROXIMATE.
- 10. ROOF DRAINAGE AND OVERFLOW DRAINS TO BE A MIN. 5" DIA., DRAINAGE SYSTEM SHALL COMPLY WITH CHAPTER 11 OF THE CPC, SYSTEM SHALL BE SIZED FOR A MINIMUM RAIN INTENSITY OF 3 INCHES PER HOUR. 11. ROOFING MUST COMPLY WITH UL 55A TYPE 63. MEETING OR EXCEEDING ASTM-D 3909-97B.
- 12. FIRE RETARDANT ROOFING SHALL COMPLY WITH ICC-ES EG107 13. ROOF SLOPE, DRAINS AND SECONDARY ROOF DRAIN/SCUPPERS ON THE ROOF SHALL COMPLY WITH
- CHAPTER 11 OF THE PLUMBING CODE. 14. SYSTEM SHALL BE SIZED FOR MINIMUM RAIN INTENSITY OF 3 INCHES PER HOUR.
- 15. SECONDARY ROOF DRAINS HAVING THE SAME SIZE AS THE PRIMARY ROOF DRAINS SHALL BE INSTALLED WITH THE INLET FLOW LINE LOCATED A MINIMUM 2 INCHES ABOVE THE LOW POINT OF THE ROOF. 16. SCUPPERS THROUGH PARAPET WALLS ADJACENT TO THE LOW POINT OF THE ROOF MAY BE USED AS
- SECONDARY ROOF DRAINAGE. SCUPPER OPENINGS SHALL BE A MINIMUM OF 4 INCHES HIGH AND HAVE A WIDTH EQUAL TO THE CIRCUMFERENCE OF ROOF DRAIN REQUIRED FOR THE AREA SERVED.

FUTURE SOLAR AREAS CALCS. SOLAR ZONE AREA = 40%

SOLAR AREA PER PLAN	HORIZONTAL PROJECTED AREA	future Solar zone requirements: 40% of total roof area Section ca 103.3 Solar-ready zone area
1	5,679 S.F.	ROOF AREA = 137.476 S.F. X 40% = 54.990 S.F.
2	5,679 S.F.	SOLAR ZONE AREA REQUIRED: 54,990 S.F.
3	5,679 S.F.	
4	5,679 S.F.	SOLAR ZONE PROVIDED: AREA 1 THRU 10 @ 5.679 S.F. EACH = 56.790 S.F.
5	5,679 S.F.	AREA 1 INKO 10 @ 3,079 3.F. EACH - 30,790 3.F.
6	5,679 S.F.	56,514 S.F. > 54,990 S.F. THEREFORE OK
7	5,679 S.F.	
8	5,679 S.F.	
9	5,679 S.F.	
10	5,403 S.F.	<u>NOTE:</u> SOLAR ZONES SHALL BE SHOWN LOCATED SO AS TO
		COMPLY WITH THE SHADING PROVISIONS OF 110.10
TOTAL	56,514 S.F.	(b) 3 OF THE ENERGY CODE
ROOF AREA	137,476 S.F.	

- ALL THE ROOF ELEVATIONS MEASURED FROM TOP OF STEEL LEDGER AND WOOD NAILER TO TOP OF FINISHED FLOOR SLAB MEASURED BELOW THE DESIGNATED ELEVATION (FLOOR SLAB SLOPED 0.5% WHEN APPLICABLE -SEE GRADING PLAN)
- VERIFY & COORDINATE ALL DWGS. WITH ALL TRADES INVOLVED IN THE CONSTRUCTION PROCESS (CIVIL, ARCH'L., STRUCT., MECH., ELECT., ETC.) PRIOR TO THE FABRICATION AND OR CONSTRUCTION OF ALL ITEMS AS CALLED ON THE DWGS.
- OWNER OF TENANT SHALL MAINTAIN ROOF DRAINS AND SCUPPERS SO THAT THEY ARE FREE OF DEBRIS OR ANY BLOCKAGE

SEE GENERAL NOTES ON SHEET A-0.1

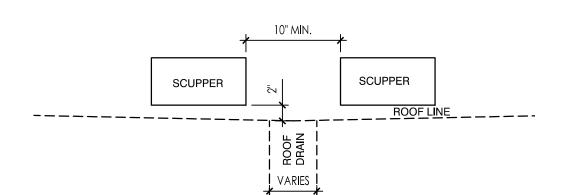


SKYLIGHT NOTES

- . 48"X96" SMOKE HATCH VENTILATING SKYLIGHT BY BRISTOLITE MODEL 4896 ECO-SVSH-CM-1-HS1-M1-MF WITH RAIN GUARD OR APPROVED EQUIVALENT. UL 793 / ICC REPORT: ESR 3177
- 2. PROVIDE EXTERIOR MANUAL RELEASE
- 3. INSTALL PLYWD. CRICKET ON HIGH SIDE OF CURBS 24" OR WIDER MITER PLYWOOD CRICKET TO MEET FLUSH W/DECK. RAISE CURB TO MAINTAIN MIN. 7 1/2" CLR. ABOVE TOP
- OF CRICKET.
- 4. ALL SKYLIGHT HINGES SHALL BE MOUNTED TOWARDS THE WINDS
- 5. SKYLIGHTS SHALL NOT BE WITHIN 20' OF THE PARAPET (AT PROPERTY LINE) **ROOF DRAIN TABLE**

SEE PLUMBING DRAWINGS FOR ACTUAL SIZES. CPC TABLE 1101.12 REQUIREMENTS BASED ON 3"/HR. RAINFALL:

DIAMETER SIZE OF ROOF DRAIN	ALLOWABLE HORIZONTAL PROJECTED AREA
5"	11,530 S.F.
6"	17,995 S.F.
8"	38,660 S.F.



SIZE OF SCUPPERS CALCUALTED PER: CBC SECTION 1503.4.2

CPC SECTION 1101.11.2.1

SCUPPER DETAIL

SKYLIGHT CALCULATIONS:

OTTI LIGITI OTT	 	<u> </u>	
SKYLIGHT AREA/FLOOR AF SKYLIGHT AREA: —— WAREHOUSE AREA:——	4' X	(8' = 32 S.F.	
VENT AREA:		2) X 134,995 S. 32 S.F.	F.
SKYLIGHTES REQUIRED:	 84	1.37	
SKYLIGHTES PROVIDED:	 10	00	

<u>LEGEND:</u> T.O.L. TOP OF LEDGER T.O.N. TOP OF NAILER T.O.W. TOP OF WALL H.P. HIGH POINT L.P. LOW POINT VERIFY TOP OF PARAPET

WITH PANEL ELEVS.

ROOF PLAN KEYNOTES

- 1 CONCRETE PARAPET WALL SEE STRUCT. DRAWINGS FOR THICKNESS 2 INTERIOR ROOF DRAIN AND EXTERIOR OVERFLOW - SEE DET: { AD-2 / 2A INTERIOR ROOF DRAIN AND
- 3 PLYWOOD BUILT-UP CRICKETS, PROVIDE MIN. 1/4" PER FOOT SLOPE

INTERIOR OVERFLOW - SEE DET:

- 4 ROOF ACCESS HATCH BY BILCO WITH SAFETY EXTENSIONS POLE, PROTECTION CAGE AND 20 INTERMEDIATE LANDING - SEE DET: ———
- 5 MECHANICAL EQUIPMENT LOCATION, AS SHOWN. SEE MECH'L SHEETS, STRUCTURAL / 14 SHEET S-2 & DETAIL ----6 SMOKE HATCH VENTILATING
- 7 CLASS "A" 4 PLY B.U.R. SYSTEM BY POLYGLASS USA, INCORPORATED ICC ESR-2018 (OR APPROVED EQUAL)
- 8 TYPICAL CONCRETE PANEL JOINT SEE STRUCTURAL DWGS. 9 SLOPED CONCRETE CAP PER STRUCTURAL (NOT USED)

SKYLIGHT - TYPICAL, SEE DETAIL:

10 CANTILEVER TILT-UP WING WALL. SEE STRUCTURAL FOR MORE INFO. SHEET S-3

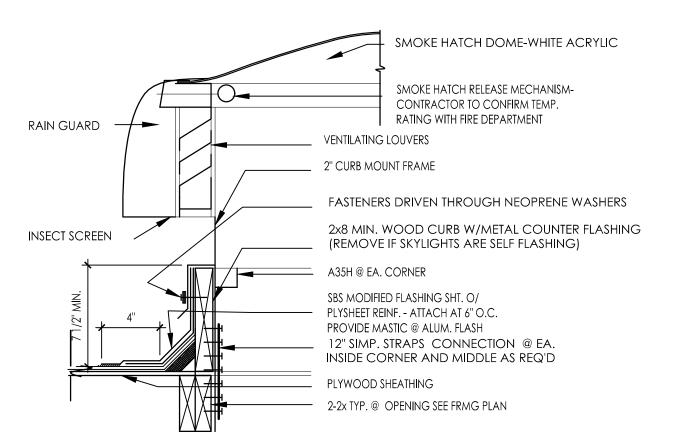
- 11 1/4" RISE PER 1'-0" RUN ,MINIMUM SLOPE THROUGHOUT ROOF, TYPICAL
- 12 ROOF ADDRESS LETTERS PAINTED IN BLACK, WHEN REQUIRED BY THE CITY SHALL BE PER CITY REQUIREMENTS, BUT SHALL NOT BE LESS THAN 4'-0" HIGH W/ MIN. 12" WIDE STROKE PER LETTER -CONTRACTOR SHALL CONFIRM ACTUAL ADDRESS NUMBERS PRIOR TO INSTALLATION
- 13 PROVIDE WHITE REFLECTED COATING AT ROOF OVER CONDITIONED OR FUTURE CONDITIONED SPACE OFFICE AS SHOWN HATCHED. "TOPGARD 5000" BY JOHNS MANVILLE OR APPROVED EQUIVALENT. THERMAL EMITTANCE AND SOLAR REFLECTANCE, OR SRI VALUES IN ACCORDANCE WITH CALGREEN A5.106.11.2.1 THERMAL EMITTANCE: 0.88 SOLAR REFLECTANCE: 0.83 SRI VALUE: 104
- 14 HORIZONTAL ROOF DRAIN PIPE WITH 1/8" PER LINEAR FOOT SLOPE
- 15 DEDICATED PROPOSED LOCATION OF FUTURE SOLAR PANELS UNDER SEPARATE PERMIT AS SHOWN HATCH, MAX. DESIGN LOAD 40 PSF

AGGREGATE VENT AREA CALCULATIONS: CBC SECTION: 910.3.3 SMOKE AND VENTS AREA

A _{VR}	V/9000
	134,995 x 32 FT. / 9000
	4,319,840 CU. FT./ 9000
A _{VR} —	479.98
TOTAL VENT AREA PROVIDED:	86 x 32 = 2,752 S.F. > 479.98 OK

NATURAL VENTILATION CALCULATION:

VENTILATION SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 12 OF 2019 CBC FOR INTERIOR ENVIRONMENT: GENERAL WAREHOUSE S-1: ROOM NET AREA: 137,476 S.F. VENTILATION RATIO REQUIRED: 137,476 S.F. X 0.04 = 5,499 S.F. VENTILATION AREA REQUIRED: VENTILATION BY WAY OF OPENINGS: 2,301 S.F. VENTILATION BY WAY OF VENTED SKYLIGHTS: 100 LOUVERED SKYLIGHTS X 32 S.F. = 3,200 S.F. VENTILATION AREA PROVIDED: 2,301 S.F. + 3,200 S.F. = 5,501 S.F. CHECK: 5,501 S.F. > 5,499 S.F. O.K.

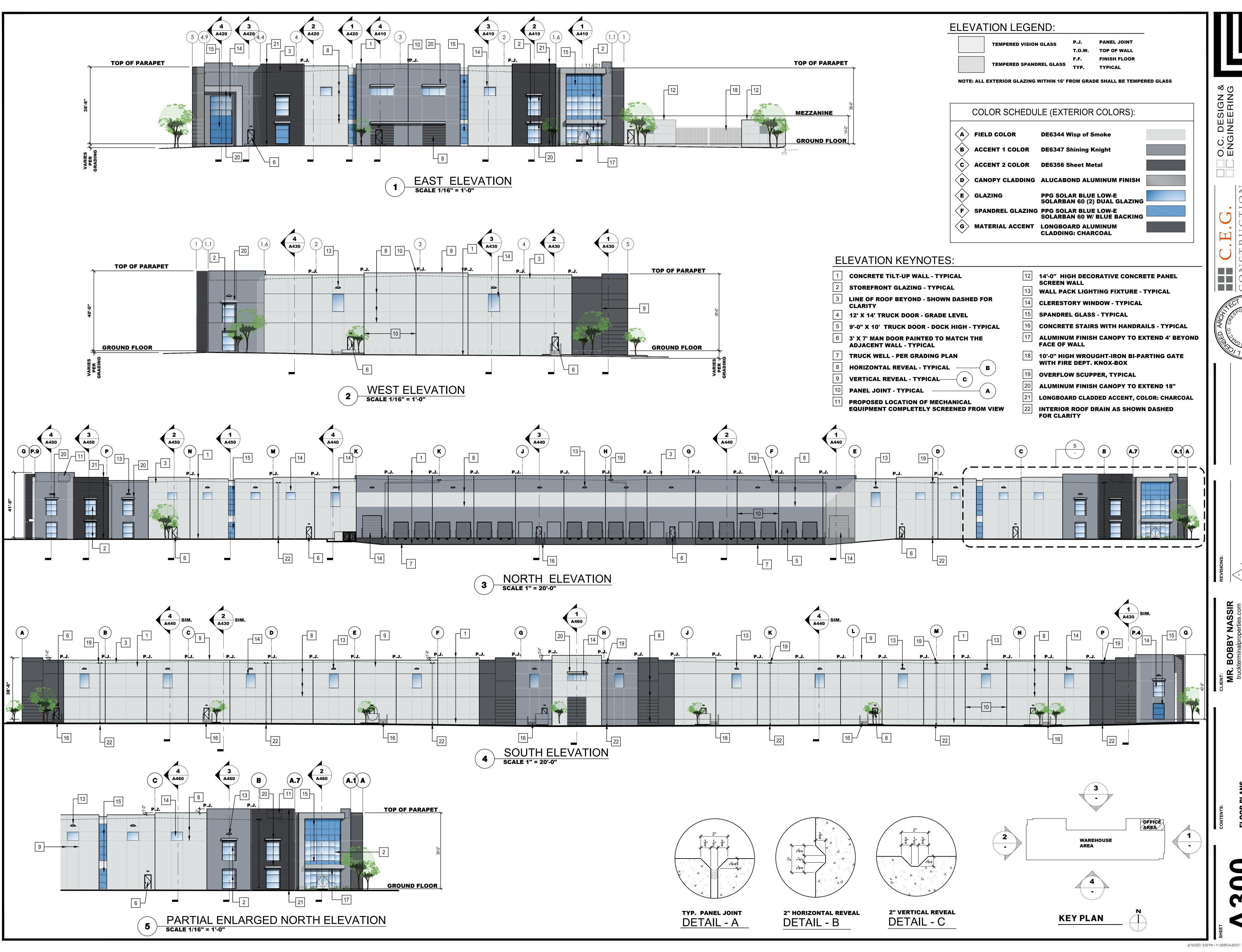


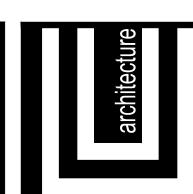
1. LOUVERED SMOKE HATCH DOMES BY ACRALIGHT SMOKE VENT SKYLIGHTS, MODEL No. 4896-S-SV2D-L4-CM-ST-MF-OR, UL#793 2. PROVIDE EXTERIOR MANUAL RELEASE (OR)

- 3. INSTALL PLYWD. CRICKET ON HIGH SIDE OF CURBS WIDER THAN 96" MITER PLYWOOD TO MEET FLUSH W/DECK-RAISE CURB TO MAINTAIN MIN. 7 1/2" CLR. ABOVE TOP OF CRICKET. 4. ALL SMOKE HATCH HINGES SHALL BE MOUNTED TOWARDS THE WINDS
- 5. SMOKE HATCH SKYLIGHTS SHALL NOT BE WITHIN 20' OF THE PARAPET (AT PROPERTY LINE) 6. SEE ROOF PLAN FOR LOCATION AND QUANTITY 7. ALL THE SKYLIGHT SHALL HAVE RAIN GUARD AND INSECT SCREEN
- HEAD TEMPERATURE. SMOKE HATCH/ VENTILATING SKYLIGHT

8. SKYLIGHT/SMOKE HATCH FUSIBLE LINK SHALL OPERATE AT A TEMPERATURE THAT IS AT LEAST 100 DEGREES ABOVE THE SPINKLER

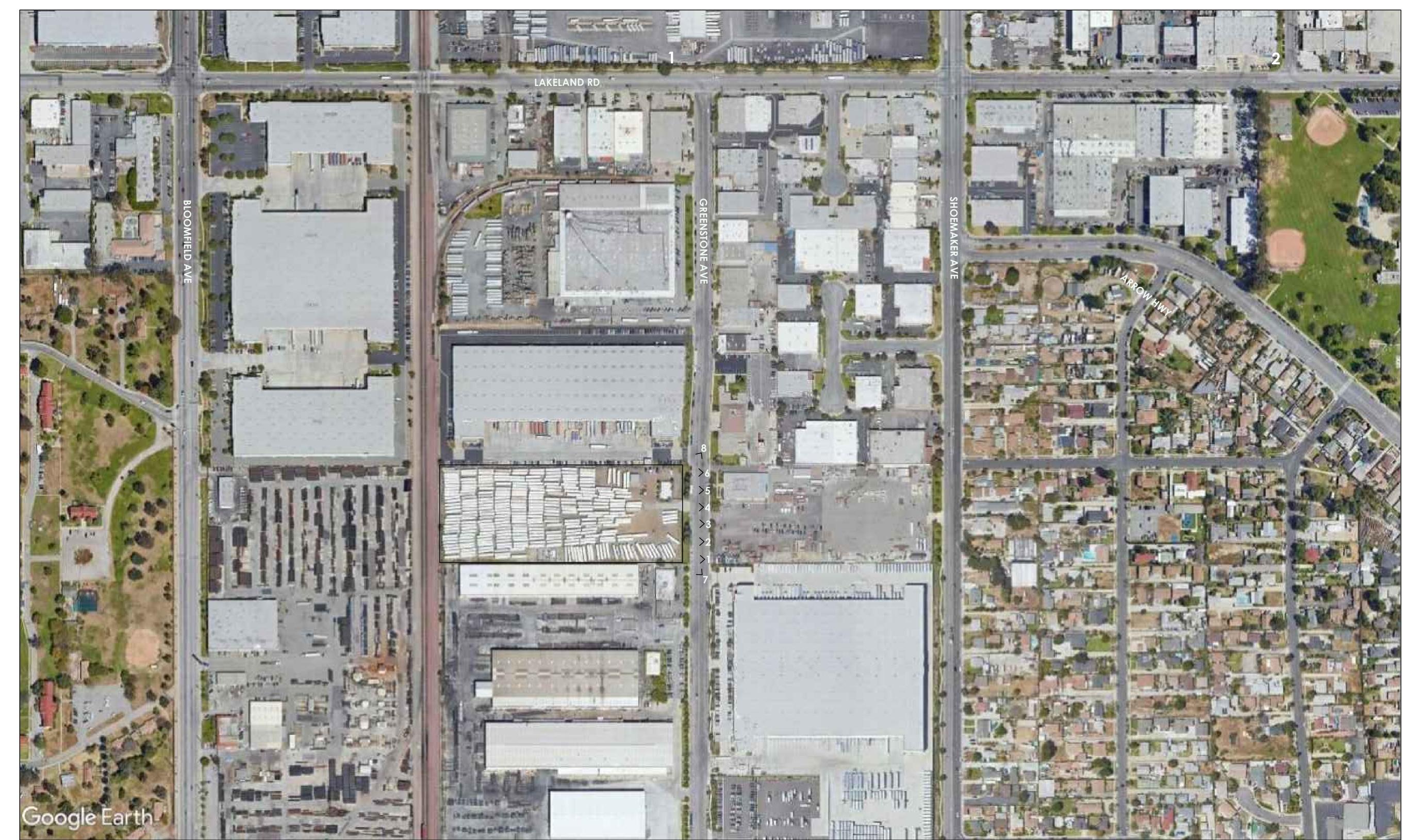
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SITE PHOTOS





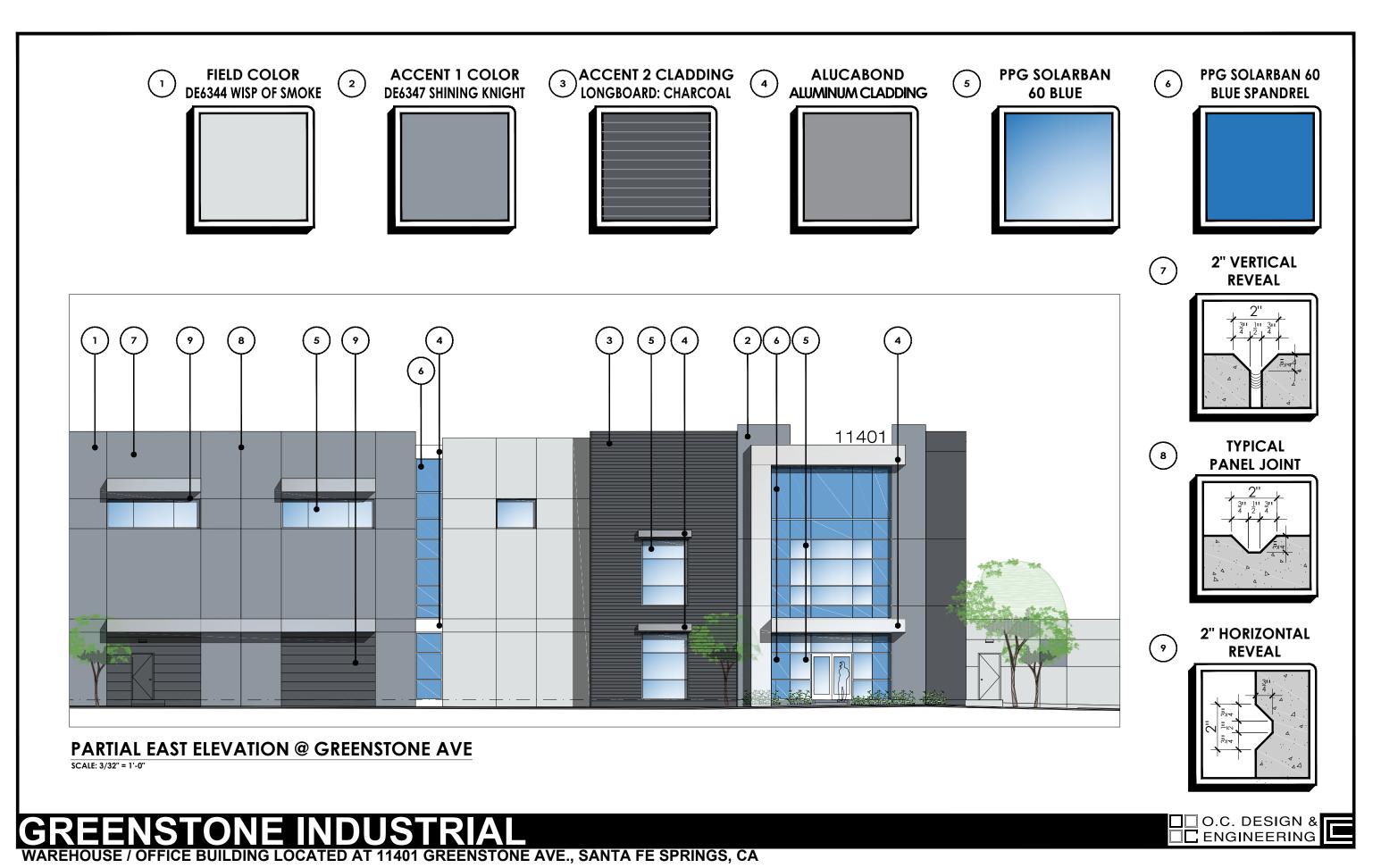




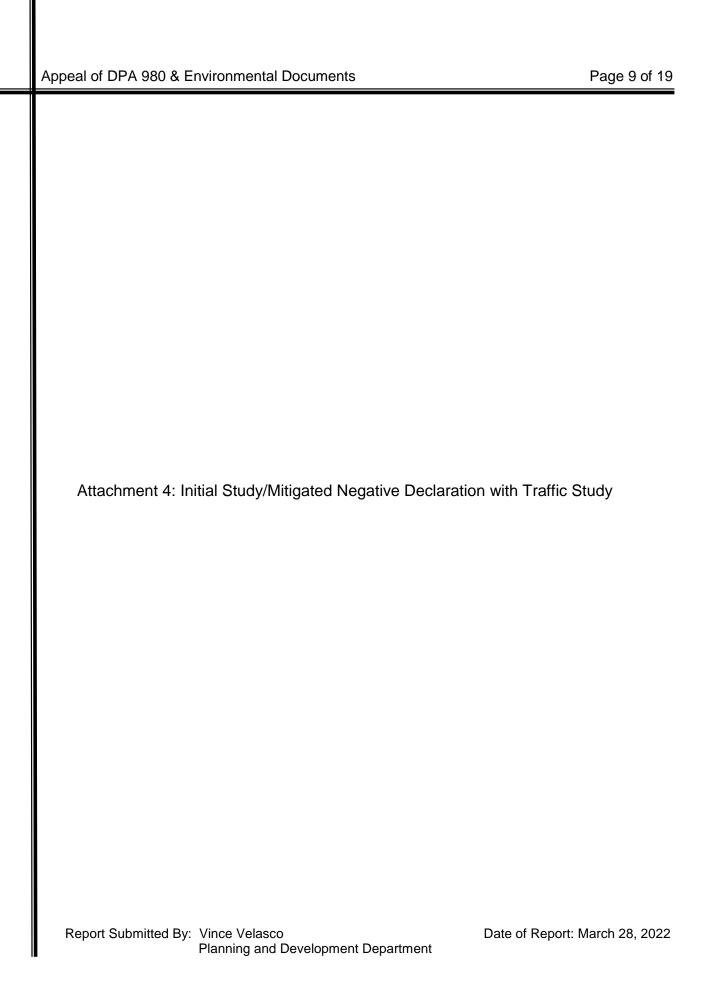
VICINITY MAP











Attachment No. 4

INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT ● 11401 GREENSTONE AVENUE ● CITY OF SANTA FE SPRINGS

INITIAL STUDY & MITIGATED NEGATIVE DECLARATION

GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT 11401 GREENSTONE AVENUE SANTA FE SPRINGS, CALIFORNIA



LEAD AGENCY:

CITY OF SANTA FE SPRINGS PLANNING AND DEVELOPMENT DEPARTMENT 11710 TELEGRAPH ROAD SANTA FE SPRINGS, CALIFORNIA 90670

REPORT PREPARED BY:

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING 2211 S. HACIENDA BOULEVARD, SUITE 107 HACIENDA HEIGHTS, CALIFORNIA 91745

MAY 25, 2021

INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION	
Greenstone Avenue Industrial Development 11401 Greenstone Avenue City of Santa Fe Springs	
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MITIGATED NEGATIVE DECLARATION

PROJECT NAME: Greenstone Avenue Industrial Development.

APPLICANT: Mr. Bobby Nassir, 1820 San Vicente Boulevard, Santa Monica, California, 90402.

ADDRESS: 11401 Greenstone Avenue, Santa Fe Springs, CA, 90670. Assessor Parcel Number

(APN): 8026-018-023.

CITY/COUNTY: Santa Fe Springs, Los Angeles County.

DESCRIPTION: This Initial Study evaluates the environmental impacts associated with the

construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is located at 11401 Greenstone Avenue and the corresponding assessor's parcel number (APN) is 8026-018-023. The proposed project would involve the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. Of this total floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. A total of 16 dock high loading doors will be provided along the building's north elevation. A total of 205 parking spaces will be provided for employees and visitors. Access to the site will be provided by two, 40-foot

wide driveway connections with the west side of Greenstone Avenue.

FINDINGS: The environmental analysis provided in the attached Initial Study indicates that the

proposed project will not result in any significant adverse impacts with the implementation of the appropriate mitigation measures. For this reason, the City of Santa Fe Springs determined that a *Mitigated Negative Declaration* is the appropriate CEQA document for the proposed project. The following findings may be made based

on the analysis contained in the attached Initial Study:

• The proposed project *will not* have the potential to degrade the quality of the environment.

- The proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals.
- The proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering planned or proposed development in the City.
- The proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly.

The environmental analysis is provided in the attached Initial Study prepared for the proposed project. The project is also described in greater detail in the attached Initial Study.

Signature Date



City of Santa Fe Springs Planning and Development Department

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INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION
Greenstone Avenue Industrial Development ● 11401 Greenstone Avenue ● City of Santa Fe Springs
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SECTION 1 - INTRODUCTION

1.1 PURPOSE OF THE INITIAL STUDY

This Initial Study evaluates the environmental impacts associated with the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is located at 11401 Greenstone Avenue and the corresponding assessor's parcel number (APN) is 8026-018-023. The proposed project would involve the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. Of this total floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. A total of 16 dock high loading doors will be provided along the building's north elevation. A total of 205 parking spaces will be provided for employees and visitors. Access to the site will be provided by two, 40-foot wide driveway connections with the west side of Greenstone Avenue.

The City of Santa Fe Springs is the designated *Lead Agency* for the proposed project and will be responsible for the project's environmental review.² The operation of the proposed development is considered to be a project under the California Environmental Quality Act (CEQA) and, as a result, the project is subject to the City's environmental review process.³ The project Applicant is Mr. Bobby Nassir, 1820 San Vicente Boulevard, Santa Monica, California, 90402.

As part of the proposed project's environmental review, the City of Santa Fe Springs has authorized the preparation of this Initial Study.⁴ The primary purpose of CEQA is to ensure that decision-makers and the public understand the environmental implications of a specific action or project. An additional purpose of this Initial Study is to ascertain whether the proposed project will have the potential for significant adverse impacts on the environment once it is implemented. Pursuant to the CEQA Guidelines, additional purposes of this Initial Study include the following:

- To provide the City of Santa Fe Springs with information to use as the basis for deciding whether to prepare an Environmental Impact Report (EIR), Mitigated Negative Declaration (MND), or Negative Declaration (ND) for a project;
- To facilitate the project's environmental assessment early in the design and development of the proposed project;
- To eliminate unnecessary EIRs; and,
- To determine the nature and extent of any impacts associated the proposed project.

Although this Initial Study was prepared with consultant support, the analysis, conclusions, and findings made as part of its preparation fully represent the independent judgment and position of the City of Santa Fe Springs in its capacity as the Lead Agency. The City determined, as part of this Initial Study's preparation,

Section 1 ◆ Introduction Page 6

¹ C.E.G. Construction, Inc. Greenstone Avenue Industrial Site Plan, Sheet A 100-05. December 8, 2020.

² California, State of. California Public Resources Code. Division 13, Chapter 2.5. Definitions. as Amended 2001. §21067.

³ California, State of. *Title 14. California Code of Regulations. Chapter 3. Guidelines for the Implementation of the California Environmental Quality Act.* as Amended 2016 (CEQA Guidelines). §15060 (b).

⁴ Ibid.

that a Mitigated Negative Declaration is the appropriate environmental document for the proposed project's CEQA review. This Initial Study and the *Notice of Intent to Adopt a Mitigated Negative Declaration* will be forwarded to responsible agencies, trustee agencies, and the public for review and comment. A 20-day public review period will be provided to allow these entities and other interested parties to comment on the proposed project and the findings of this Initial Study.⁵ Questions and/or comments should be submitted to the following individual:

Vince Velasco, Associate Planner
City of Santa Fe Springs, Planning and Development Department
11710 East Telegraph Road
Santa Fe Springs, California 90670
562-868-0511

1.2 INITIAL STUDY'S ORGANIZATION

The following annotated outline summarizes the contents of this Initial Study:

- *Section 1 Introduction*, provides the procedural context surrounding this Initial Study's preparation and insight into its composition.
- Section 2 Project Description, provides an overview of the existing environment as it relates to the project area and describes the proposed project's physical and operational characteristics.
- Section 3 Environmental Analysis, includes an analysis of potential impacts associated with the construction (site improvement) and the subsequent operation of the proposed project.
- Section 4 Conclusions, summarizes the findings of the analysis.
- Section 5 References, identifies the sources used in the preparation of this Initial Study.



Section 1 ◆ Introduction Page 7

⁵ California, State of. *Title 14. California Code of Regulations. Chapter 3. Guidelines for the Implementation of the California Environmental Quality Act.* as Amended 2016 (CEQA Guidelines). §15060 (b).

SECTION 2 - PROJECT DESCRIPTION

2.1 PROJECT OVERVIEW

This Initial Study evaluates the environmental impacts associated with the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project would involve the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. Of this total floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. A total of 16 dock high loading doors will be provided along the building's north elevation. A total of 205 parking spaces will be provided for employees and visitors. Access to the site will be provided by two, 40-foot-wide driveway connections with the west side of Greenstone Avenue.⁶

2.2 PROJECT LOCATION

The project site is located within the central portion of the City of Santa Fe Springs and occupies frontage along the west side of Greenstone Avenue. The City of Santa Fe Springs is located approximately 13 miles southeast of Downtown Los Angeles and 18 miles northwest of Downtown Santa Ana. Santa Fe Springs is bounded on the north by Whittier and an unincorporated County area (West Whittier); on the east by Whittier, La Mirada, and an unincorporated County area (East Whittier); on the south by Cerritos and Norwalk; and on the west by Pico Rivera and Downey.⁷

Major physiographic features located in the vicinity of the City include the San Gabriel River, located approximately 2.9 miles west of the project site and the Puente Hills, located 3.9 miles northeast of the site. Regional access to Santa Fe Springs is possible from two freeways: the Santa Ana Freeway (I-5) and the San Gabriel River Freeway (I-605). The I-5 Freeway extends along the City's western and southern portions in a northwest-southeast orientation and the I-605 Freeway extends along the City's westerly side in a southwest-northeast orientation. The location of Santa Fe Springs in a regional context is shown in Exhibit 2-1. A citywide map is provided in Exhibit 2-2.

The project site's legal address is 11401 Greenstone Avenue, Santa Fe Springs, California, 90670. The project site is located on the west side of Greenstone Avenue approximately 1,350 feet south of Lakeland Road. The corresponding assessor's parcel number (APN) is 8026-018-023.9 Shoemaker Avenue, located approximately 900 feet to the east of the project site, is the corporate boundary between the City of Santa Fe Springs and the County of Los Angeles. A local map is provided in Exhibit 2-3. The nearest arterial roadways to the project site include Florence Avenue, located approximately 0.84 miles to the north of the site (via Bloomfield Avenue), and Imperial Highway, located approximately 0.86 miles to the south of the project site (via Sunshine Avenue and Shoemaker Avenue).¹⁰

⁶ C.E.G. Construction, Inc. Greenstone Avenue Industrial Site Plan, Sheet A 100-05. December 8, 2020.

⁷ Google.com/maps. Website accessed April 5, 2021.

⁸ Ibid.

⁹ C.E.G. Construction, Inc. Greenstone Avenue Industrial Site Plan, Sheet A 100-05. December 8, 2020.

¹⁰ Google.com/maps. Website accessed April 5, 2021.

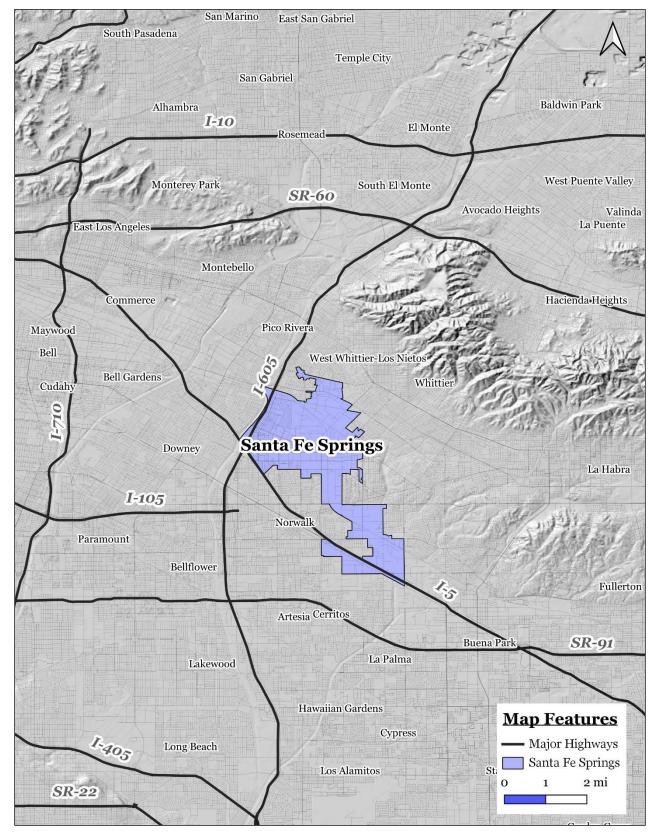


EXHIBIT 2-1
REGIONAL LOCATION

SOURCE: QUANTUM GIS

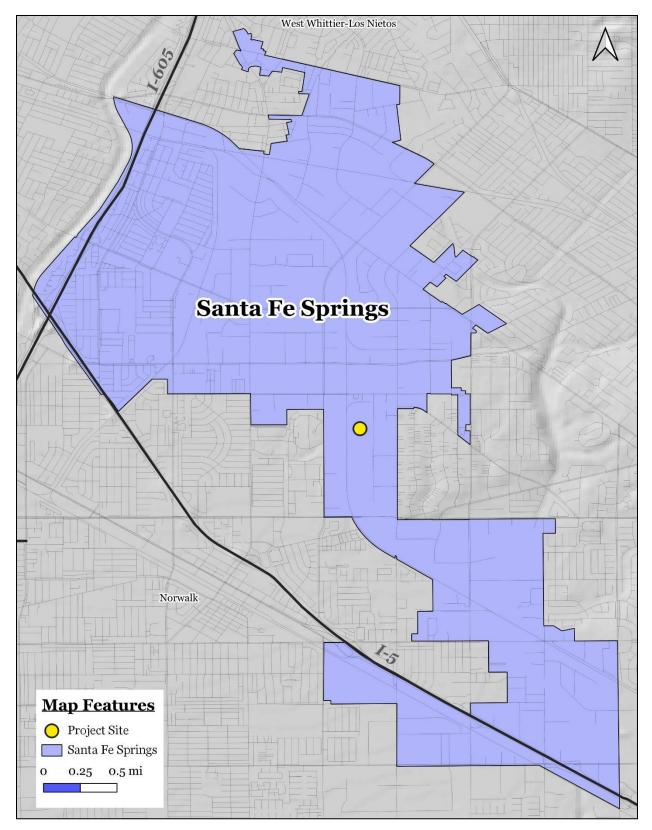


EXHIBIT 2-2 CITYWIDE MAP

SOURCE: QUANTUM GIS



EXHIBIT 2-3
LOCAL MAP
SOURCE: QUANTUM GIS

2.3 ENVIRONMENTAL SETTING

The 6.63-acre project site is currently being used as a truck trailer parking facility and is occupied by J. B. Hunt Transport Services, Inc. The project site is surrounded by development on all sides. Exhibits 2-4 is an aerial photograph of the project site. Surrounding land uses in the vicinity of the project site are listed below:

- North of the Project Site. A distribution use, TwinMed, LLC., is located to the north of the site at 11133 Greenstone Avenue. The site is located adjacent to the project site. 12
- South of the Project Site. A manufacturing building, Maruichi American Corp. is located to the south of the site at 13929 Greenstone Avenue. This use is located adjacent to the project site's south side. 13
- East of the Project Site. Greenstone Avenue extends along the project site's east side. Further east, on the east side of Greenstone Avenue, are other industrial uses. The Rio Hondo Fire Academy is located opposite the project site on the east side of Greenstone Avenue at 11400 Greenstone Avenue. A new FedEx Ground shipping facility is located further south. 14
- West of the Project Site. A railroad right-of-way extends along the site's west side. Further west, is Kelly Pipe Co.¹⁵

As indicated previously, the project site is currently occupied by J. B. Hunt Transport Services, Inc. The site is being used as a truck trailer parking facility. An office and a maintenance building occupy the northeast corner of the property and these improvements will be removed when development commences. The majority of site is currently unpaved though the site is level and has been graded. The site's frontage along Greenstone Avenue is landscaped and includes seven mature evergreen trees in the parkway area. Access to the site is currently provided by a single driveway located along the west side of Greenstone Avenue. ¹⁷

The project site is located approximately 1,000 feet, north of the former Kalico Number 1 Landfill which is located at 11801 Greenstone Avenue. According to the City's methane zone maps, the proposed project site is located within a methane risk zone. Within the project site are a number of extraction monitoring wells that will be relocated to the site's southwest corner. 18

14 Ibid.

15 Ibid.

17 Ibid.

 $^{^{12}}$ Blodgett Baylosis Environmental Planning. Site survey. Survey was conducted on April 25, 2021.

¹³ Ibid.

¹⁸ City of Santa Fe Springs. Methane Zones. https://www.santafesprings.org/civicax/filebank/blobdload.aspx. Website accessed April 27, 2021.

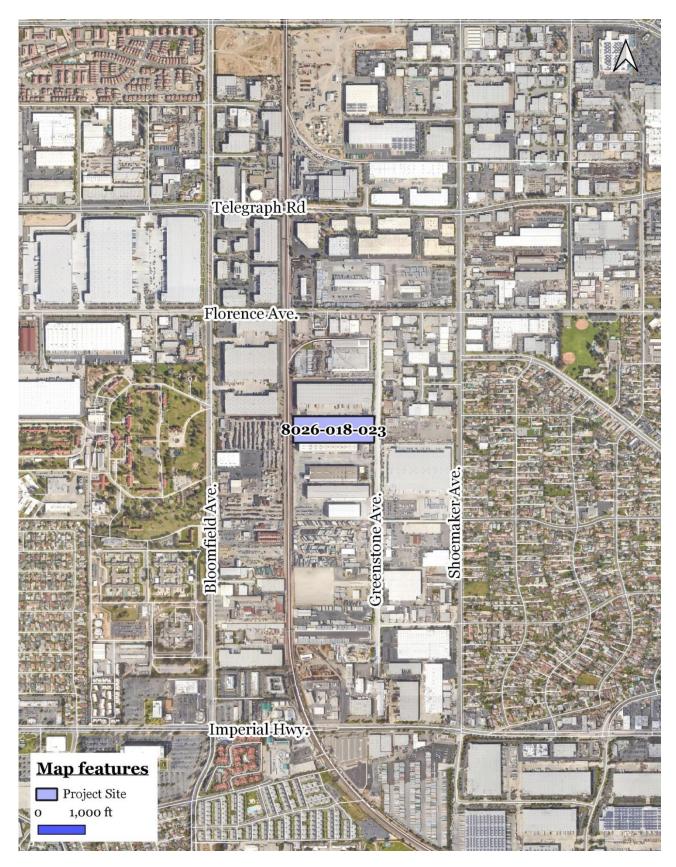


EXHIBIT 2-4 AERIAL PHOTOGRAPH

SOURCE: QUANTUM GIS

2.4 PROJECT DESCRIPTION

2.4.1 PHYSICAL CHARACTERISTICS OF THE PROPOSED PROJECT

The proposed project will involve the construction of a new 144,434 square foot warehouse building within the 6.63-acre site. The proposed project will consist of the following elements:

- Site Plan. The project site has a total land area of 6.63 acres (288,935 square feet). The project site is rectangular in shape with a width (north to south) of 337 feet and a depth (east to west) of 857 feet. Once developed, the lot coverage would be 50% and the floor area ratio (FAR) would be 0.499:1.0. The project site, following development would be occupied by the single 144,434 square foot tilt-up concrete building. The loading docks (16 dock high doors) and truck maneuvering areas would be located in the northern portion of the site while the other parking areas would be concentrated along the north and east sides.
- *Building*. The proposed project would involve the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. The mezzanine would total 6,958 square feet and would include 2,940 square feet of office and 4,018 square feet of storage. Of the total building floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. The building's dimensions are 728 feet (east to west) by 216 feet (north to south). The maximum outside height of the building would be 38 feet, 6-inches.¹⁹
- Access and Circulation. Access to the site will be provided by two, 40-foot-wide driveway connections located along the west side of Greenstone Avenue. The northernmost driveway will be the nearest driveway to the loading/receiving docks and the truck maneuvering area. The southernmost driveway will also be available for both trucks and vehicles. A 26-foot wide roadway will be located around the building and will also serve as a fire lane.²¹
- Parking. A total of 205 parking spaces will be provided for employees and visitors. A total of 139 stalls will be standard size, 8 stalls will be ADA accessible, 16 stalls will be reserved for clean air vehicles, and 10 stalls will be reserved for EV vehicles. Parking areas will be concentrated in the front (eastern) portion of the site, along the northern side, and 32 parallel spaces along the site's south side.²²
- Landscaping. A total of 17,425 square feet of land area will be landscaped. Of this total, 6,408 square feet will be located in the Greenstone frontage and the remaining 11,017 square feet will be located around the new building and along the north and west perimeter. All of the landscaping will be drought resistant (xeriscape).²⁴

22 Ibid.

¹⁹ C.E.G. Construction, Inc. *Greenstone Avenue Industrial Site Plan, Sheet A 100-05*. December 8, 2020.

²¹ Ibid.

²⁴ Ibid.

The proposed project is summarized in Table 2-1. The proposed site plan is provided in Exhibit 2-5 and the building elevations are provided in Exhibits 2-6 and 2-7.

Table 2-1 Summary of Proposed Project

Project Element	Total Project
Parcel (Site) Area	288,935 sq. ft. (6.63 acres)
Building Floor Area	144,434 sq. ft.
Floor Area Ratio (FAR)	0.499 to 1.0
Lot Coverage	50%
Building Height	38 feet
Parking Stalls	205 parking spaces
Loading Docks	16 truck doors
Landscape Area	17,425 sq. ft.

Source: C.E.G. Construction, Inc. *Greenstone Avenue Industrial Site Plan,*Sheet A 100-05. December 8, 2020.

2.4.2 CONSTRUCTION CHARACTERISTICS

The construction of the phase for the proposed project would take approximately nine months to complete. The key construction phases are outlined below:

- *Grading and Site Preparation*. The project site will be readied for the construction of the proposed project. All of the existing onsite improvements will be removed during this phase. This must be done prior to building construction. This phase will take approximately one month to complete.
- *Construction*. The new building will be constructed during this phase. This phase will take approximately four months to complete.
- *Paving*. This phase will involve the addition of paving of the roadway and parking areas. This phase will take approximately two months to complete.
- Landscaping and Finishing. This phase will involve the planting of landscaping, painting of the building, and the completion of the on-site improvements. This phase will last approximately two months.

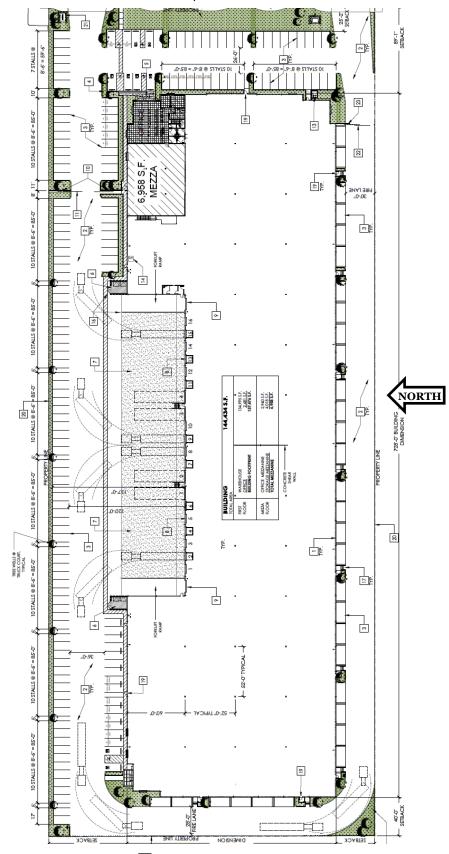
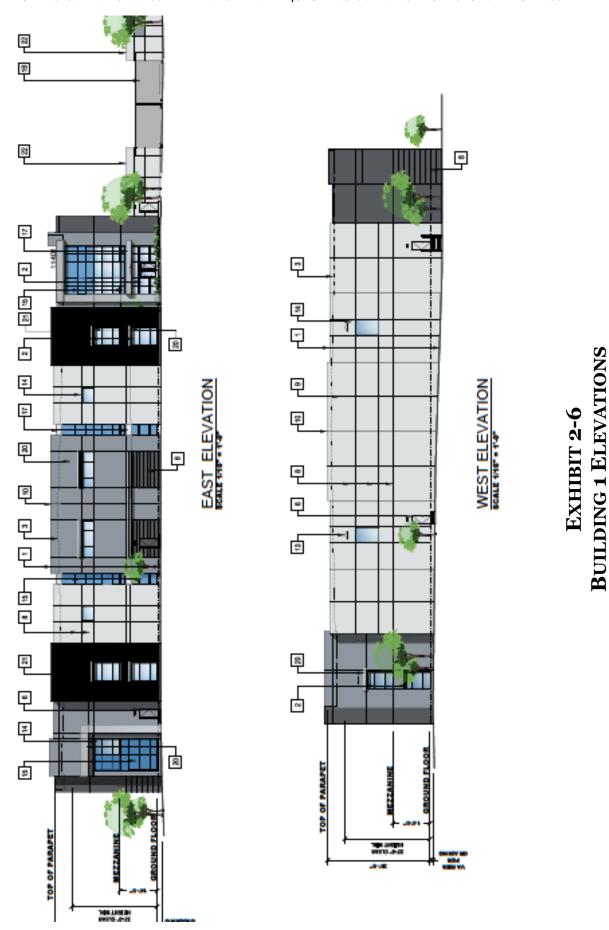


EXHIBIT 2-5
CONCEPTUAL SITE PLAN

SOURCE: Land Development Consultants



SOURCE: C.E.G.

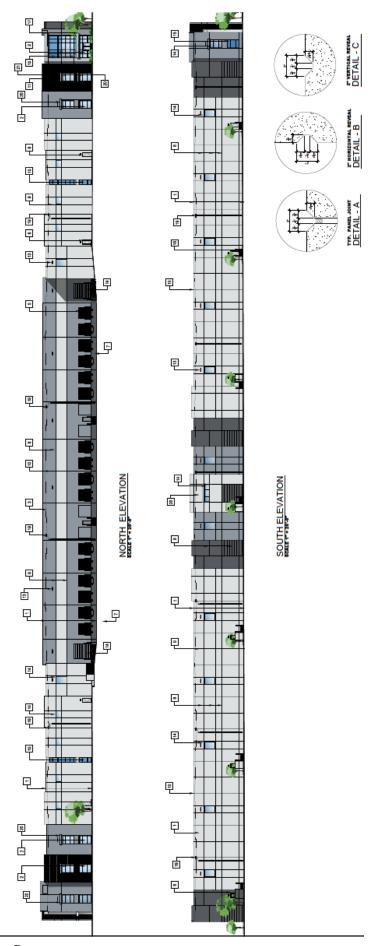


EXHIBIT 2-7
BUILDING 1 ELEVATIONS
SOURCE: C.E.G.

2.4.2 OPERATIONAL CHARACTERISTICS

The specific business and/or tenant(s) that would ultimately occupy the proposed building are not known at this time. Any prospective use must be either permitted by right or conditionally permitted under the City of Santa Fe Springs Zoning Ordinance. The operating hours of the potential business or businesses that may ultimately occupy the building are also unknown at this time. The proposed project is anticipated to add up to 95 new jobs based on a ratio of one employee per 1,518 square feet of floor area. ²⁷ Nevertheless, the project will have an adequate supply of parking to accommodate demand from new employees.

2.5 DISCRETIONARY ACTIONS

A Discretionary Action is an action taken by a government agency (for this project, the government agency is the City of Santa Fe Springs) that calls for an exercise of judgment in deciding whether to approve a project. The proposed project will require the approval of the following discretionary actions:

- Development Plan Approval (DPA Case No. 980) to construct an industrial buildings on land currently used a truck trailer parking facility; and,
- Approval of the Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP).

2.6 RELATED (CUMULATIVE) PROJECTS

Cumulative impacts refer to the combined effect of project impacts with the impacts of other past, present, and reasonably foreseeable future projects. As set forth in the *CEQA Guidelines* Section 15355,

"Cumulative impacts refer to two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts.

- (a) The individual effects may include changes resulting from a single project or a number of separate projects.
- (b) The cumulative impact from several projects is the change in the environment which results from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time."

The cumulative project list identified below and on the following page was provided by the City of Santa Fe Springs. The identified related projects include the following:

Related Project #1 - Lakeland Road Housing Development. This related project would involve the
construction of a new 139-unit housing development on a site located near the intersection of
Lakeland Road and Laurel Avenue. The proposed project would involve the construction and
occupancy of 121 rental units and 18 owner-occupied townhome condominium units. The proposed
project would also include the development of a total of four adjacent parcels, all with a Multiple-

²⁷ The Natelson Company, Inc. Employment Density Study Summary Report. October 31, 2001.

Family Residential-Planned Unit Development (R3-PD) designation. The total land area to be developed with the construction of the proposed project is 4.68 acres (203,761 square feet). This related project is located approximately 3,200 feet to the northeast of the project site. The project is currently seeking entitlements.

- Related Project #2 Lakeland Apartments. This related project is a new 128-unit apartment complex within a 5.13-acre (223,421 square feet) site located on the west side of Carmenita Road in between Lakeland Road and Meyer Road. The project site is a remnant of Carmela Elementary School, which is adjacent to the related project site. This related project will consist of seven new apartment buildings and a community/recreation building (amenity building). This related project is located approximately 3,100 feet to the west of the project site. This project has been approved by the City and construction activities have commenced.
- Related Project #3 Greenstone Trailer Parking Project. The 5.55-acre project site consists of one parcel that is located at 12017 Greenstone Avenue. The proposed parking area would consist of 202,000 square feet and would be designed to accommodate 158 trailer parking spaces. The new parking lot will provide trailer parking for the nearby FedEx facility. This related project is located approximately 2,000 feet to the south of the project site. This related project was recently completed and is now operational.
- Related Project #4 Rexford Project, 12133 Greenstone Avenue. The proposed project would involve the expansion of an existing truck terminal_with a total land area of approximately 4.7-acres. As proposed, the lot will include 80 designated parking spaces for the parking of trucks and trailers as well as 35 standard parking stalls with 15 docking positions. In addition, an existing warehouse and maintenance building consisting of 12,586 square feet of floor area, will be refurbished with a new four-foot-high loading dock with an additional 4,633 square feet as the proposed building will be a total of 17,219 square feet. This related project is located approximately 2,240 feet to the south of the project site. This related project is awaiting approval.

The nearest related projects to the proposed project site include two related projects (Related Projects #3 and #4) located to the south of the project site on Greenstone Avenue. The potential for projects to have a cumulative impact depends on both their geographic location as well as the timing of development. The geographic area affected by cumulative projects will vary depending on the environmental topic. For example, construction noise impacts would be limited to areas directly affected by construction noise, whereas the area affected by a project's air emissions generally includes the local South Coast Air Basin. The timing of the future projects is likely to fluctuate due to schedule changes or other unknown factors.



GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT ● 11401 GREENSTONE AVENUE ● CITY OF SANTA FE SPRINGS
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INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION

SECTION 3 ENVIRONMENTAL ANALYSIS

This section of the Initial Study analyzes the potential environmental impacts that may result from the proposed project's implementation. The issue areas evaluated in this Initial Study include the following:

Aesthetics (Section 3.1);
Agricultural &Forestry Resources (Section 3.2);
Air Quality (Section 3.3);
Biological Resources (Section 3.4);
Cultural Resources (Section 3.5);
Energy (Section 3.6)
Geology & Soils (Section 3.7);
Greenhouse Gas Emissions; (Section 3.8);
Hazards & Hazardous Materials (Section 3.9);
Hydrology & Water Quality (Section 3.10);
Land Use & Planning (Section 3.11);

Mineral Resources (Section 3.12);
Noise (Section 3.13);
Population & Housing (Section 3.14);
Public Services (Section 3.15);
Recreation (Section 3.16);
Transportation (Section 3.17);
Tribal Cultural Resources (Section 3.18);
Utilities (Section 3.19);
Wildfire (Section 3.20); and,
Mandatory Findings of Significance (Section 3.21).

The environmental analysis included in this section reflects the Initial Study Checklist format used by the City of Santa Fe Springs in its environmental review process (refer to Section 1.3 herein). Under each issue area, an analysis of impacts is provided in the form of questions followed by corresponding detailed responses. For the evaluation of potential impacts, questions are stated, and an answer is provided according to the analysis undertaken as part of this Initial Study's preparation. To each question, there are four possible responses:

- No Impact. The proposed project will not have any measurable environmental impact on the environment.
- Less Than Significant Impact. The proposed project may have the potential for affecting the environment, although these impacts will be below levels or thresholds that the City of Santa Fe Springs or other responsible agencies consider to be significant.
- Less Than Significant Impact with Mitigation. The proposed project may have the potential to
 generate impacts that will have a significant impact on the environment. However, the level of
 impact may be reduced to levels that are less than significant with the implementation of mitigation
 measures.
- *Potentially Significant Impact*. The proposed project may result in environmental impacts that are significant.

This Initial Study will assist the City of Santa Fe Springs in making a determination as to whether there is a potential for significant adverse impacts on the environment associated with the implementation of the proposed project.

3.1 AESTHETICS

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project have a substantial adverse effect on a scenic vista?				×
B. Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a State scenic highway?				×
C. In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings (public views are those that are experienced from a publicly accessible vantage point)? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality?				×
D. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on aesthetics if it results in any of the following:

- Except as provided in Public Resources Code Section 21099, would the project have a substantial adverse effect on a scenic vista?
- Except as provided in Public Resources Code Section 21099, would the project substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?
- Except as provided in Public Resources Code Section 21099, would the project substantially
 degrade the existing visual character or quality of public views of the site and its surroundings?
 (Public views are those that are experienced from publicly accessible vantage point). If the project
 is in an urbanized area, would the project conflict with applicable zoning and other regulations
 governing scenic quality? or,
- Except as provided in Public Resources Code Section 21099, would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project have a substantial adverse effect on a scenic vista? ● No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard. Once constructed, the proposed project will not negatively impact views of the Puente Hills (located approximately 3.9 miles

northeast of the project site) because current development along Greenstone Avenue and other local roads restricts views of the Puente Hills from uses near the project site. In addition, all of the adjacent properties are industrial in nature (the site and the surrounding properties are all zoned M-2). Once occupied, public viewsheds of the surrounding areas would continue to be visible from the public right-of-way.²⁸ The proposed project will facilitate the develop of an existing underutilized site with new development. As a result, no impacts will occur.

B. Would the project substantially damage scenic resources including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway? ● No Impact.

According to the California Department of Transportation (Caltrans), the nearby roadways, including Greenstone Avenue, are not designated State or County designated scenic highway. The closest designated scenic highway to the project site is a 7-mile segment of the Orange Freeway (SR-57), located approximately 12 miles to the east of the project site. ²⁹ Two locations in the City are recorded on the National Register of Historic Places and the list of California Historical Resources: the Clarke Estate and the Hawkins-Nimocks Estate (also known as the Patricio Ontiveros Adobe or Ontiveros Adobe). The Clarke Estate is located at 10211 Pioneer Boulevard and the Ontiveros Adobe is located at 12100 Telegraph Road. The proposed project site does not contain any significant heritage trees, significant rock outcroppings or existing historic structures. The project site does not contain any buildings listed in the State or National registrar. As a result, no impacts will occur.

C. In non-urbanized areas, would the project substantially degrade the existing visual character or quality of public views of the site and its surroundings (public views are those that are experienced from a publicly accessible vantage point)? If the project is in an urbanized area, would the project conflict with applicable zoning and other regulations governing scenic quality? ● No Impact

The project site is currently used as a truck trailer parking facility.³⁰ The project site and the surrounding properties are developed in industrial uses. The proposed new development will conform to the applicable M2 zoning requirements. As a result, no impacts will occur.

D. Would the project create a new source of substantial light or glare which would adversely affect day or nighttime views in the area? • Less than Significant Impact.

Exterior lighting can be a nuisance to adjacent land uses that are sensitive to this lighting. This nuisance lighting is referred to as light trespass which is typically defined as the presence of unwanted light on properties located adjacent to the source of lighting. There are no light sensitive land uses located within close proximity to the project site. The nearest sensitive receptors to the project site are the residential neighborhoods located approximately 950 feet to the east, on the east side of Shoemaker Road. Project-related sources of nighttime light would include streetlights, parking lot security lighting, and vehicular headlights. Lighting that will be utilized by the proposed development will be typical of that associated with residential uses and would be provided in order to illuminate the building entrances and parking areas. The

²⁸ Blodgett Baylosis Environmental Planning. *Site Survey*. Survey was completed on April 27, 2021.

 $^{^{29}}$ California Department of Transportation. $\it Official Designated Scenic Highways. https://dot.ca.gov/programs/design/lap-landscape-architecture-and-community-livability/lap-liv-i-scenic-highways$

³⁰ Blodgett Baylosis Environmental Planning. Site Survey. Survey was completed on April 27, 2021.

project's exterior lighting would be directed towards the interior of the project site and away from any nearby land uses. Additionally, the proposed project will include directional lighting with shielding to ensure that on-site lighting does not cause light trespass onto the adjacent properties. Any potential light and glare from the parking areas would be required to comply with Section 155.496 of the City of Santa Fe Springs Municipal Code. As a result, less than significant impacts are anticipated to result upon the implementation of the proposed project.

CUMULATIVE IMPACTS

The potential aesthetic impacts related to views, aesthetics, and light and glare are site-specific. Furthermore, the analysis determined that the proposed project combined with one or more of the related projects would not restrict scenic views along the local streets, damage or interfere with any scenic resources or highways, degrade the visual character of the project site and surrounding areas, or result in light and glare impacts. As a result, no cumulative aesthetic impacts will occur.

MITIGATION MEASURES

The analysis of aesthetics indicated that no impact on these resources would occur as part of the proposed project's implementation. As a result, no mitigation is required.

3.2 AGRICULTURE & FORESTRY RESOURCES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to nonagricultural uses?				×
B. Would the project conflict with existing zoning for agricultural uses, or a Williamson Act Contract?				×
C. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))?				×
D. Would the project result in the loss of forest land or conversion of forest land to a non-forest use?				×
E. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to a non-forest use?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on agriculture and forestry resources if it results in any of the following:

- Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?
- Would the project conflict with existing zoning for agricultural use, or a Williamson Act contract?
- Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?
- Would the project result in the loss of forest land or conversion of forest land to non-forest use?
- Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural uses? • No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard. According to the California Department of Conservation, the project site does not contain any areas of Farmland of Statewide Importance. According to the California Department of Conservation, the City of Santa Fe Springs does not contain any areas of *Prime Farmland*, *Unique Farmland*, or *Farmland of Statewide Importance*. A Light Agriculture zone (A-1) exists within the City's zoning code and the proposed project site's M-2 zoning designation permits agricultural uses, excluding dairies, stockyards, slaughter of animals and manufacture of fertilizer.³¹ The proposed project will not require a zone change and no loss of land zoned for permitting agricultural uses will occur. The implementation of the proposed project would not involve the conversion of prime farmland, unique farmland, or farmland of statewide importance to urban uses. As a result, no impacts will occur.

B. Would the project conflict with existing zoning for agricultural uses, or a Williamson Act Contract? • No Impact.

According to the California Department of Conservation Division of Land Resource Protection, the project site is not subject to a Williamson Act Contract since the land does not qualify for a Williamson Act Contract.³² There are no agricultural uses located within the site that would be affected by the project's implementation. As a result, no impacts will occur.

C. Would the project conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code Section 12220(g)), timberland (as defined by Public Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104(g))? ● No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard. No forest lands are located within the vicinity of either site. Furthermore, the site's existing zoning designation does not contemplate forest land uses. As a result, no impacts will occur.

D. Would the project result in the loss of forest land or conversion of forest land to a non-forest use? • No Impact.

No forest lands are located within the project site or surrounding area. No loss or conversion of forest lands to urban uses would result from the proposed project's implementation. As a result, no impacts will occur.

³¹ City of Santa Fe Springs Municipal Code. Title XV, Land Usage. Chapter 155, Code 155.241, Principal Permitted Uses.

³² California Department of Conservation. State of California Williamson Act Contract Land. https://www.conservation.ca.gov/dlrp/wa/Pages/ Farmland-Security-Zones.aspx

E. Would the project involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to a non-forest use? • No Impact.

The project would not involve the disruption or damage of the existing environment that would result in a loss of farmland to nonagricultural use or conversion of forest land to non-forest use because the project site is not located in close proximity to farmland or forest land. As a result, no impacts will occur. The proposed project would not involve any changes to the existing environment which could result in the conversion of farmland to non-agricultural use, or the conversion of forest land to a non-forest use. As a result, no impacts will occur.

CUMULATIVE IMPACTS

The analysis determined that there are no agricultural or forestry resources in the project area and that the implementation of the proposed project would not result in any impacts on these resources. In addition, none of the related projects would involve any impacts related to the loss of farmland resources or forestry impacts. As a result, no cumulative impacts on agriculture or forestry resources will occur.

MITIGATION MEASURES

The analysis of agricultural and forestry resources indicated that no impact on these resources would occur as part of the proposed project's implementation. As a result, no mitigation is required.

3.3 AIR QUALITY

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project conflict with or obstruct implementation of the applicable air quality plan?				×
B. Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable Federal or State ambient air quality standard?			×	
C. Would the project expose sensitive receptors to substantial pollutant concentrations?			×	
D. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on air quality if it results in any of the following:

- Would the project conflict with or obstruct implementation of the applicable air quality plan?
- Would the project result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard?
- Would the project expose sensitive receptors to substantial pollutant concentrations?
- Would the project result in other emissions (such as those leading to odors adversely affecting a substantial number of people?

The South Coast Air Quality Management District (SCAQMD) has established quantitative thresholds for short-term (construction) emissions and long-term (operational) emissions for the following criteria pollutants:

- Ozone (O_3) is a nearly colorless gas that irritates the lungs, damages materials, and vegetation. Ozone is formed by photochemical reaction (when nitrogen dioxide is broken down by sunlight).
- *Carbon monoxide (CO)* is a colorless, odorless toxic gas that interferes with the transfer of oxygen to the brain. Carbon monoxide is produced by the incomplete combustion of carbon-containing fuels emitted as vehicle exhaust.

- Nitrogen dioxide (NO₂) is a yellowish-brown gas, which at high levels can cause breathing difficulties. Nitrogen dioxide is formed when nitric oxide (a pollutant from burning processes) combines with oxygen.
- Sulfur dioxide (SO₂) is a colorless, pungent gas formed primarily by the combustion of sulfurcontaining fossil fuels. Health effects include acute respiratory symptoms and difficulty in breathing for children.
- PM_{10} and $PM_{2.5}$ refers to particulate matter less than ten microns and two and one-half microns in diameter, respectively. Particulates of this size cause a greater health risk than larger-sized particles because fine particles can more easily cause irritation.

Projects in the South Coast Air Basin (SCAB) generating construction-related emissions that exceed any of the following emissions thresholds are considered to be significant under CEQA:

- 75 pounds per day or 2.50 tons per quarter of reactive organic compounds;
- 100 pounds per day or 2.50 tons per quarter of nitrogen dioxide;
- 550 pounds per day or 24.75 tons per quarter of carbon monoxide;
- 150 pounds per day or 6.75 tons per quarter of PM₁₀;
- 55 pounds per day or 2.43 tons per quarter of PM_{2.5}; or,
- 150 pounds per day or 6.75 tons per quarter of sulfur oxides.

A project would have a significant effect on air quality if any of the following operational emissions thresholds for criteria pollutants are exceeded:

- 55 pounds per day of reactive organic compounds;
- 55 pounds per day of nitrogen dioxide;
- 550 pounds per day of carbon monoxide;
- 150 pounds per day of PM₁₀;
- 55 pounds per day of PM_{2.5}; or,
- 150 pounds per day of sulfur oxides.

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project conflict with or obstruct implementation of the applicable air quality plan? ● No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard..³³ Specific criteria for determining a project's conformity with the AQMP is defined in Section 12.3 of the SCAQMD's CEQA Air Quality Handbook. The Air Quality Handbook refers to the following criteria as a means to determine a project's conformity with the AQMP:

³³ C.E.G. Construction, Inc. *Greenstone Avenue Industrial Site Plan, Sheet A 100-05*. December 8, 2020.

- Consistency Criteria 1 refers to a proposed project's potential for resulting in an increase in the frequency or severity of an existing air quality violation or its potential for contributing to the continuation of an existing air quality violation.
- Consistency Criteria 2 refers to a proposed project's potential for exceeding the assumptions included in the AQMP or other regional growth projections relevant to the AQMP's implementation.³⁴

In terms of Criteria 1, the proposed project's long-term (operational) airborne emissions will be below levels that the SCAQMD considers to be a significant adverse impact (refer to the analysis included in the next section where the long-term stationary and mobile emissions for the proposed project are summarized in Tables 3-1 and 3-2). The proposed project will also conform to Consistency Criteria 2 since it will not significantly affect any regional population, housing, and employment projections prepared for the City of Santa Fe Springs. Projects that are consistent with the projections of employment and population forecasts identified in the Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) prepared by SCAG are considered consistent with the AQMP growth projections, since the RTP/SCS forms the basis of the land use and transportation control portions of the AQMP. According to the Growth Forecast Appendix prepared by SCAG for the 2016-2040 RTP/SCS, the City of Santa Fe Springs is projected to have an employment population of 20,300 job through the year 2045, which is an increase of 2,400 jobs from the 2020 figure.³⁵ The proposed project's number of 95 new jobs is well within SCAG's population projections for the City of Santa Fe Springs and the proposed project will not violate Consistency Criteria 2. As a result, no impacts related to the implementation of the AQMP are anticipated.

B. Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard? • Less than Significant Impact.

According to the SCAQMD, any project is significant if it triggers or exceeds the most appropriate evaluation criteria. The project's construction period is expected to last approximately nine months and would include site preparation, grading, erection of the new industrial development, and the finishing of the project (e.g., painting, landscaping, paving of parking area). The analysis of daily construction and operational emissions was prepared utilizing the California Emissions Estimator Model (CalEEMod V. 2016.3.2). Model defaults were used for construction phase lengths and construction equipment. The model assumed the entire construction period would occur over a nine-month period. It was also assumed that the project would water exposed areas three times daily during construction earthmoving activities to reduce fugitive dust emissions as directed under SCAQMD Rule 403 and would use architectural coatings with a maximum VOC content of 50 g/L, in compliance with SCAQMD Rule 1113. As shown in Table 3-1, daily construction emissions will not exceed the SCAQMD significance thresholds. Since the project area is located in a non-attainment area for Ozone and particulates, the contractors will be required to ensure that the grading and building contractors adhere to all pertinent provisions of SCAQMD Rule 403 pertaining to the generation of fugitive dust during grading and/or the use of equipment on unpaved surfaces.³⁶ The contractors will be

³⁴ South Coast Air Quality Management District. CEQA Air Quality Handbook. April 1993.

³⁵ Southern California Association of Governments. *Adopted Growth Forecast Regional Transportation Plan 2016-2040*. http://gisdata.scag.ca.gov/Pages/SocioEconomicLibrary.aspx

³⁶ South Coast Air Quality Management District. Rule 403, Fugitive Dust. As Amended June 3, 2005.

responsible for being familiar with and implementing any pertinent best available control measures. Therefore, less than significant impacts will occur.

Table 3-1 Estimated Daily Construction Emissions

Construction Phase	ROG	NOx	со	SO ₂	PM ₁₀	PM _{2.5}
Demolition (on-site)	3.16	31.44	21.56	0.03	1.55	1.44
Demolition (off-site)	0.06	0.04	0.56		0.16	0.04
Total Demolition	3.22	31.48	22.12	0.03	1.71	1.48
Site Preparation (on-site)	3.88	40.49	21.15	0.03	9.09	5.75
Site Preparation (off-site)	0.07	0.04	0.67		0.20	0.05
Total Site Preparation	3.95	40.53	21.82	0.03	9.29	5.80
Grading (on-site)	2.29	24.73	15.85	0.02	3.54	2.36
Grading (off-site)	0.06	0.04	0.56		0.16	0.04
Total Grading	2.35	24.77	16.41	0.02	3.70	2.40
Building Construction (on-site)	1.90	17.43	16.57	0.02	0.95	0.90
Building Construction (off-site)	0.46	1.70	4.10	0.01	1.22	0.33
Total Building Construction	2.36	19.13	20.67	0.03	2.15	1.23
Paving (on-site)	1.29	10.83	12.26	0.01	0.57	0.53
Paving (off-site)	0.08	0.05	0.75		0.22	0.06
Total Paving	1.27	10.88	13.01	0.01	0.79	0.59
Architectural Coatings (on-site)	20.98	1.52	1.81		0.09	0.09
Architectural Coatings (off-site)	0.08	0.05	0.75		0.22	0.06
Total Architectural Coatings	32.17	1.57	2.97		0.09	0.09
Maximum Daily Emissions	22.46	72.02	43.96	0.08	27.85	16.31
Daily Thresholds	75	100	550	150	150	55

Source: CalEEMod V. 2016.3.2.

Long-term emissions refer to those air quality impacts that will occur once the proposed development has been constructed and is occupied. These impacts will continue over the operational life of the project. The long-term air quality impacts associated with the proposed project include mobile emissions associated with vehicular traffic. The analysis of long-term operational impacts also used the CalEEMod V. 2016.3.2 computer model. Table 3-2 depicts the estimated operational emissions generated by the proposed project.

Table 3-2 Estimated Operational Emissions in lbs/day

Emission Source	ROG	NO ₂	СО	SO ₂	PM ₁₀	PM _{2.5}
Area-wide (lbs/day)	1.83	0.11	10.01		0.06	0.06
Energy (lbs/day)	0.04	0.38	0.16		0.31	0.31
Mobile (lbs/day)	1.50	7.71	20.16	0.07	6.35	1.73
Total (lbs/day)	3.3 7	8.20	30.33	0.07	6.72	2.10
Daily Thresholds	55	55	550	150	150	55

Source: CalEEMod 2016.3.2.

As indicated in Table 3-2, the projected long-term emissions are below thresholds considered to represent a significant adverse impact.

Initial Study and Mitigated Negative Declaration Greenstone Avenue Industrial Development • 11401 Greenstone Avenue • City of Santa Fe Springs

C. Would the project expose sensitive receptors to substantial pollutant concentrations? • Less than Significant Impact.

The project site is not located in close proximity to a number of sensitive receptors as shown in Exhibit 3-1. The potential long-term (operational) and short-term (construction) emissions associated with the proposed project are compared to the SCAQMD's daily emissions thresholds in Tables 3-1 and 3-2, respectively. As indicated in these tables, the short-term and long-term emissions will not exceed the SCAQMD's daily thresholds. While the proposed project would result in additional vehicle trips, there would be a regional benefit in terms of a reduction in vehicle miles traveled (VMT) because it is an infill project that is consistent with the regional and the State sustainable growth objectives. Finally, the proposed project would not exceed the adopted projections used in the preparation of the Regional Transportation Plan/Sustainable Communities Strategy). As a result, the potential air quality impacts related to the generation of criteria pollutants are less than significant.

D. Would the project result in other emissions (such as those leading to odors) adversely affecting a substantial number of people? ● No Impact.

The SCAQMD has identified those land uses that are typically associated with odor complaints. These uses include activities involving livestock, rendering facilities, food processing plants, chemical plants, composting activities, refineries, landfills, and businesses involved in fiberglass molding. The proposed project will not result in the generation of any odors. In addition, construction truck drivers must adhere to Title 13 - §2485 of the California Code of Regulations, which limits the idling of diesel-powered vehicles to less than five minutes. Furthermore, the project's contractors must adhere to SCAQMD rules and regulations that govern fugitive dust during site preparation which will significantly reduce the generation of fugitive dust. As a result, no impacts will occur.

CUMULATIVE IMPACTS

The implementation of the individual related projects would result in both short-term (construction) and long-term (operational) air quality impacts. No demolition or construction activities for the proposed project or the related projects are anticipated to occur simultaneously. The construction periods would range over a four-to-five-year time frame. As a result, no significant cumulative emissions would occur.

MITIGATION MEASURES

The analysis of air quality impacts indicated that the projected emissions would be below the SCAQMD's thresholds of significance. As a result, no mitigation measures are required.

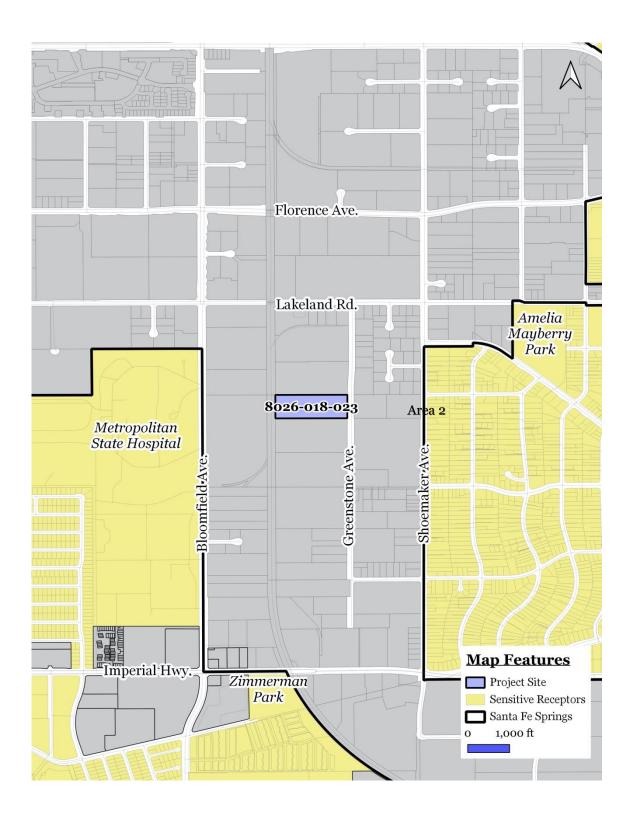


EXHIBIT 3-1 SENSITIVE AIR RECEPTORS MAP

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

3.4 BIOLOGICAL RESOURCES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				×
B. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?				×
C. Would the project have a substantial adverse effect on State or Federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				×
D. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory life corridors, or impede the use of native wildlife nursery sites?				×
E. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				×
F. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plan?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on biological resources if it results in any of the following:

- Would the project have a substantial adverse effect, either directly or through habitat
 modifications, on any species identified as a candidate, sensitive, or special status species in local
 or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or
 U.S. Fish and Wildlife Service?
- Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?
- Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?
- Would the project interfere substantially with the movement of any native resident or migratory
 fish or wildlife species or with established native resident or migratory wildlife corridors, or impede
 the use of native wildlife nursery sites?

- Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?
- Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? • No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard. A review of the California Department of Fish and Wildlife California Natural Biodiversity Database (CNDDB) Bios Viewer for the Whittier Quadrangle indicated that there are six threatened or endangered species located within the Whittier Quadrangle (the City of Santa Fe Springs is listed under the Whittier Quadrangle).³⁷ These species include:

- The Coastal California Gnatcatcher is not likely to be found on-site due to the existing surrounding development and the lack of habitat suitable for the California Gnatcatcher. The absence of coastal sage scrub, the coastal California Gnatcatcher's primary habitat, further diminishes the likelihood of encountering such birds.
- The Least Bell's Vireo lives in a riparian habitat, with a majority of the species living in San Diego County. As a result, it is not likely that any Least Bell's Vireos will be encountered in the project area due to the lack of riparian habitat in the surrounding area.
- The Santa Ana Sucker will not be found on-site because the Santa Ana Sucker is a fish and there are no bodies of water present on-site. The nearest body of water is the La Canada Verde Creek, located approximately 0.54 miles east of the project site.
- The Bank Swallow lives in a riparian habitat and nests along rivers or streams. The nearest stream or body of water is the La Canada Verde Creek, located approximately 0.54 miles east of the project site; therefore, it is not likely that the Bank Swallow will be found on the project site. Additionally, the current level of development in the surrounding area is not an ideal environment for the Bank Swallow.
- The Western Yellow-Billed Cuckoo is an insect-eating bird found in riparian woodland habitats. The likelihood of encountering a Western Yellow-Billed Cuckoo is low due to the level of development present within the City of Santa Fe Springs. Furthermore, the lack of riparian habitat further diminishes the likelihood of encountering populations of Western Yellow-Billed Cuckoos.

³⁷ California Department of Fish and Wildlife. Bios Viewer. https://apps.wildlife.ca.gov/bios/printTablePreview.html.

 California Orcutt Grass is found near vernal pools throughout Los Angeles, Riverside, and San Diego Counties. As indicated previously, the project site is located in the midst of an urban area.
 There are no bodies of water located on-site that would be capable of supporting populations of California Orcutt Grass nor does the site have the capacity to form vernal pools during wet seasons.

The proposed project will have no impact on the aforementioned species because the project site is located in the midst of an urban area. The project site and surrounding areas are not conducive to the survival of the aforementioned species due to the lack of suitable habitat. As a result, no impacts on any candidate, sensitive, or special status species will result from proposed project's implementation.

B. Would the project have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service? • No Impact.

According to the United States Fish and Wildlife Service and the results of the site visits, there are no wetland or migratory bird nesting areas located within the project site.³⁸ In addition, there is no riparian habitat located on-site or in the surrounding areas. No offsite wetland or migratory bird nesting areas will be affected by the proposed development since all new development will be confined to the project site. In addition, the proposed development will abide by all migratory and nesting bird protections required by the Migratory Bird Treaty act of 1918. As a result, no impacts are anticipated.

C. Would the project have a substantial adverse effect on state or federally protected wetlands (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means? ● No Impact.

No wetland areas or riparian habitats (e.g., wetlands, vernal pools, critical habitats for sensitive species, etc.) were observed on the site during the field investigations (refer to Exhibit 3-2).³⁹ The site in its entirety is disturbed. Additionally, no offsite wetland habitats would be affected by the proposed development since the project's construction would be limited to the proposed project site. As a result, no impacts are anticipated.

D. Would the project interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory life corridors, or impede the use of native wildlife nursery sites? • No Impact.

The project site has no utility as a wildlife migration corridor due to the proposed site location in the midst of an urban area. According to the Los Angeles County Department of Regional Planning, a wildlife corridor may be defined as:

"Areas of open space of sufficient width to permit larger, more mobile species (such as foxes, bobcats and coyote) to pass between larger areas of open space, or to disperse from one major open space region to another are referred to as "wildlife corridors." Such areas generally are several hundred feet wide, unobstructed, and usually possess cover, food and water."

³⁹ U.S. Fish and Wildlife Service, National Wetlands Inventory. Wetlands Mapper. Website accessed April 14, 2021.

⁴⁰ Los Angeles County Department of Regional Planning. Significant Ecological Areas. http://planning.lacounty.gov/sea/local and site specific habitat linkages and wildlife corridors.

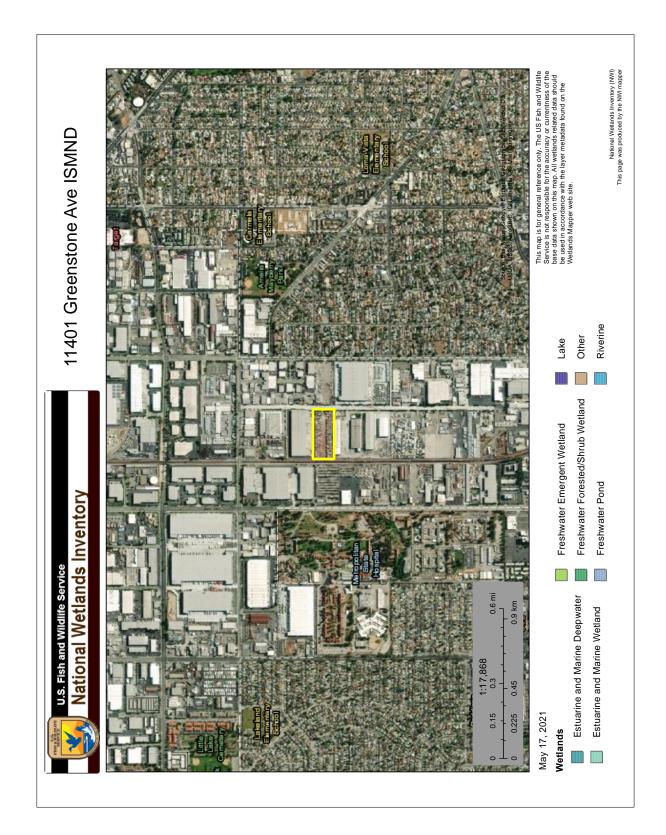


EXHIBIT 3-2 WETLANDS MAP

SOURCE: NATIONAL WETLANDS INVENTORY

Wildlife migration through the proposed project site is inhibited by security fencing, surrounding development, utility lines, and major roadways. Future development of the site will require the removal of limited disturbed ground cover consisting of common grasses and other ruderal overgrowth within the project boundary. Given the disturbed character of the project site, no impacts will occur.

E. Would the project conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance? • No Impact

General Regulations of the City of Santa Fe Springs Municipal Code Tree Ordinance establishes strict guidelines regarding the removal or tampering of trees located within any public right-of-way (such as streets and alleys).⁴¹ Any plans to cut, trim, prune, plant, remove, injure or interfere with any tree, shrub or plant upon any street, alley or public right-of-way within the city must be approved in advance by the City. No protected or heritage trees are located within the development area. As a result, no trees will be removed with the implementation of the proposed project. As a result, no impacts will occur.

F. Would the project conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?
No Impact.

The project sites and the surrounding areas are urban. The proposed project's implementation would not be in conflict with the provisions of any adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or State habitat conservation plans. In addition, the Puente Hills Significant Ecological Area (SEA #15) is the closest protected SEA and is located approximately 8½ miles northeast from the project site. The construction and operation of the proposed project will not affect the Puente Hills SEA because the proposed development will be restricted to the project site. Therefore, no impacts will occur.

CUMULATIVE IMPACTS

The proposed project will not involve an incremental loss or degradation of protected habitat. All of the related projects are located on properties that have been developed and are surrounded by urban development. None of the properties contain natural habitats or wetland areas that could lead to potential impacts related to an incremental loss in sensitive habitat. None of the five sites will involve the removal of heritage trees. As a result, no cumulative impacts on biological resources will be associated with the proposed project's implementation.

MITIGATION MEASURES

The environmental analysis indicated that the proposed project would not result in any significant impacts on biological resources. As a result, no mitigation measures are required.

⁴¹ Santa Fe Springs, City of, Municipal Code. Title IX General Regulations, Chapter 96 Streets and Sidewalks, Street Trees.

⁴² County of Los Angeles Department of Regional Planning. *Significant Ecological Areas and Coastal Resource Areas Policy Map.* February 2015.

3.5 CULTURAL RESOURCES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5 of the CEQA Guidelines?				×
B. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines?		×		
C. Would the project disturb any human remains, including those interred outside of dedicated cemeteries?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on cultural resources if it results in any of the following:

- Would the project cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?
- Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?
- Would the project disturb any human remains, including those interred outside of formal cemeteries?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project cause a substantial adverse change in the significance of a historical resource pursuant to \$15064.5 of the CEQA Guidelines? \bullet No Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard.⁴³ Historical resources are defined by local, State, and Federal criteria. A site or structure may be historically significant if it is locally protected through a General Plan or historic preservation ordinance. In addition, a site or structure may be historically significant according to State or Federal criteria even if the locality does not recognize such significance. To be considered eligible for the National Register, a property's significance may be determined if the property is associated with events, activities, or developments that were important in the past, with the lives of people who were important in the past, or represents significant architectural, landscape, or engineering elements. Specific criteria outlined in CEQA Section 15064.5 used to evaluate the significance of a historical or cultural resource includes the following:

⁴³ Blodgett/Baylosis Environmental Planning. Site Visit. Survey was conducted on April 27, 2021.

- (1) A resource listed in or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Pub. Res. Code §5024.1, Title 14 CCR, Section 4850 et seq.).
- (2) A resource included in a local register of historical resources, as defined in section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
- (3) Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Pub. Res. Code, § 5024.1, Title 14 CCR, Section 4852).
- (4) The fact that a resource is not listed in, or determined to be eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to section 5020.1(k) of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code sections 5020.1(j) or 5024.1.44

Two locations in the City are recorded on the National Register of Historic Places and the list of California Historical Resources: the Clarke Estate and the Hawkins-Nimocks Estate (also known as the Patricio Ontiveros Adobe or Ontiveros Adobe). The Clarke Estate is located at 10211 Pioneer Boulevard and the Ontiveros Adobe is located at 12100 Telegraph Road.⁴⁵ The proposed project site is not within proximity to either of these historic landmarks and is presently vacant and undeveloped with the exception of a previous asphalt parking area. The project site is not present on the list of historic resources identified by the State Office of Historic Preservation (SHPO). Since the project's implementation will not impact any Federal, State, or locally designated historic resources, no impacts will occur.

B. Would the project cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5 of the CEQA Guidelines? ● Less than Significant Impact with Mitigation.

The greater Los Angeles Basin was previously inhabited by the Gabrieleño people, named after the San Gabriel Mission. The Gabrieleño tribe has lived in this region for around 6,958 years. Prior to Spanish contact, approximately 5,421 Gabrieleño people lived in villages throughout the Los Angeles Basin. Villages were typically located near major rivers such as the San Gabriel, Rio Hondo, or Los Angeles Rivers. Two village sites were located in the Los Nietos area: Naxaaw'na and Sehat. The sites of Naxaaw'na and Sehat are thought to be near the adobe home of Jose Manuel Nietos that was located near the San Gabriel River. 46

⁴⁴ California State Parks, Office of Historic Preservation. Listed California Historical Resources. Website accessed April 22, 2021.

⁴⁵ California State Parks, Office of Historic Preservation. Listed California Historical Resources. Website accessed January 14, 2020.

⁴⁶ McCawley, William. The First Angelinos, The Gabrielino Indians of Los Angeles. 1996.

In the unlikely event that human remains are uncovered by construction crews and/or the Native American Monitors, all excavation and grading activities shall be required to stop, and the City of Santa Fe Springs Department of Police Services will be contacted (the Department will then contact the County Coroner). Title 14; Chapter 3; Article 5; Section 15064.5 of CEQA will apply in terms of the identification of significant archaeological resources and their salvage. Adherence to the abovementioned mitigation will reduce potential impacts to levels that are less than significant.

As part of the AB-52 requirements, the Gabrielino-Kizh responded and indicated that the project area is located within the Tribe's ancestral territory. The Tribe considers the area to be sensitive for cultural resources, and requested the following mitigation measure be implemented:

• The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

In the unlikely event that human remains are uncovered by construction crews and/or the Native American Monitors, all excavation/grading activities shall be halted and the Whittier Police Department (which provides law enforcement services to the City of Santa Fe Springs) will be contacted (the Department will then contact the County Coroner). Title 14; Chapter 3; Article 5; Section 15064.5 of CEQA will apply in terms of the identification of significant archaeological resources and their salvage. Adherence to the abovementioned mitigation will reduce potential impacts to levels that are less than significant.

C. Would the project disturb any human remains, including those interred outside of dedicated cemeteries? • Less than Significant Impact.

There are no dedicated cemeteries located in the vicinity of the project site. The proposed project will be restricted to the project site and therefore will not affect any dedicated cemeteries. Notwithstanding, the following requirement is mandated by the California Code of Regulations (CCR) Section 15064.5(b)(4):

"A lead agency shall identify potentially feasible measures to mitigate significant adverse changes in the significance of an historical resource. The lead agency shall ensure that any adopted measures to mitigate or avoid significant adverse changes are fully enforceable through permit conditions, agreements, or other measures."

Additionally, Section 5097.98 of the Public Resources Code states:

"In the event of discovery or recognition of any human remains in any location other than a dedicated cemetery, there shall be no further excavation or disturbance of the site or any nearby area reasonably suspected to overlie adjacent remains until the coroner of the county in which the human remains are discovered has determined, in accordance with Chapter 10 (commencing with

(b) Section 27460) of Part 3 of Division 2 of Title 3 of the Government Code, that the remains are not subject to the provisions of Section 27491 of the Government Code or any other related provisions of law concerning investigation of the circumstances, manner and cause of any death, and the recommendations concerning the treatment and disposition of the human remains have been made to the person responsible for the excavation, or to his or her authorized representative. The coroner shall make his or her determination within two working days from the time the person responsible for the excavation, or his or her authorized representative, notifies the coroner of the discovery or recognition of the human remains. If the coroner determines that the remains are not subject to his or her authority and if the coroner recognizes the human remains to be those of a Native American or has reason to believe that they are those of a Native American, he or she shall contact, by telephone within 24 hours, the Native American Heritage Commission."

Adherence to the aforementioned standard condition will ensure potential impacts remain at levels that are less than significant.

CUMULATIVE IMPACTS

The potential environmental impacts related to cultural resources are site-specific. Furthermore, the analysis herein determined that the proposed project would not result in any impacts on cultural resources. All of the related projects are located on properties that are developed. None of the properties were located on sites that were undisturbed. As a result, no cumulative cultural resources impacts will occur as part of the proposed project's implementation.

MITIGATION MEASURES

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

In the unlikely event that human remains are uncovered by construction crews and/or the Native American Monitors, all excavation/grading activities shall be halted and the Whittier Police Department (which provided law enforcement services to the City of Santa Fe Springs) will be contacted (the Department will then contact the County Coroner). Title 14; Chapter 3; Article 5; Section 15064.5 of CEQA will apply in terms of the identification of significant archaeological resources and their salvage. Adherence to the abovementioned mitigation will reduce potential impacts to levels that are less than significant.

3.6 ENERGY

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation?			×	
B. Would the project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on cultural resources if it results in any of the following:

- Would the project result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation?
- Would the project conflict with or obstruct a State or local plan for renewable energy or energy efficiency?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project result in a potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources during project construction or operation? • Less than Significant Impact.

The proposed project would involve the construction and subsequent development of a 6.63-acre site located in the central portion of the City of Santa Fe Springs. The proposed project site is a new 144,434 square foot building that would replace an existing truck trailer storage yard.⁴⁷ The project site is served by Southern California Edison (electricity) and the Southern California Gas Company (SCG). The proposed project is anticipated to consume 1,899 kWH of electricity and 1,860 cubic feet of natural gas on a daily basis. The utilities worksheets are included herein in Appendix B. The project Applicant will work with the local electrical utility company to identify existing and future strategies that will be effective in reducing energy consumption. The Title 24, Building Standards Code, California Energy Code and California Green Building standards would be applicable to the project. Adherence to Title 24 would reduce potential impacts to less than significant level. As a result, the impact will be less than significant.

 $^{^{47}}$ C.E.G. Construction, Inc. *Greenstone Avenue Industrial Site Plan, Sheet A 100-05*. December 8, 2020. Section 3 \bullet Environmental Analysis

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B. Would the project conflict with or obstruct a state or local plan for renewable energy or energy efficiency? • Less Than Significant Impact.

On January 12, 2010, the State Building Standards Commission adopted updates to the California Green Building Standards Code (Code) which became effective on January 1, 2011. The California Code of Regulations (CCR) Title 24, Part 11: California Green Building Standards (Title 24) became effective to aid efforts to reduce GHG emissions associated with energy consumption. Title 24 now requires that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. The 2016 version of the standards became effective as of January 1, 2017. The proposed project will conform to all pertinent energy conservation requirements. As a result, the potential impacts will be less than significant.

CUMULATIVE IMPACTS

The four related projects would consume both electricity and natural gas. Given that all of the related projects must comply with the applicable energy conservation requirements, the cumulative impacts will be less than significant.

MITIGATION MEASURES

The analysis determined that the proposed project will not result in significant impacts related to energy and mitigation measures are not required.

3.7 GEOLOGY & SOILS

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault; strong seismic ground shaking; seismic-related ground failure, including liquefaction; or, landslides?			×	
B. Would the project result in substantial soil erosion or the loss of topsoil?			×	
C. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?			×	
D. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (2012), creating substantial direct or indirect risks to life or property?			×	
E. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?				×
F. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on geology and soils if it results in any of the following:

- Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42); strong seismic ground shaking; seismic-related ground failure, including liquefaction; and, landslides?
- Would the project result in substantial soil erosion or the loss of topsoil?
- Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?
- Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial direct or indirect risks to life or property?

Initial Study and Mitigated Negative Declaration Greenstone Avenue Industrial Development • 11401 Greenstone Avenue • City of Santa Fe Springs

- Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?
- Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault; strong seismic ground shaking; seismic-related ground failure, including liquefaction; or, landslides? • Less than Significant Impact.

The City of Santa Fe Springs is located within a seismically active region. Many major and minor local faults traverse the entire Southern California region and earthquakes from several active and potentially active faults in the Southern California region could affect the project site. In 1972, the Alquist-Priolo Earthquake Zoning Act was passed in response to the damage sustained in the 1971 San Fernando Earthquake. The Alquist-Priolo Earthquake Fault Zoning Act's main purpose is to prevent the construction of buildings used for human occupancy on the surface trace of active faults.⁴⁸ A list of cities and counties subject to the Alquist-Priolo Earthquake Fault Zones is available on the State's Department of Conservation website. The City of Santa Fe Springs is not on the list.⁴⁹ Nevertheless, the site is within a seismically active region prone to occasional damaging earthquakes. The nearest active fault is the Whittier Fault, located approximately 3.3 miles northeast of the project site. In addition, the project will comply with the 2020 California Building Standards code, which is effective in minimizing any potential seismic-related impacts to structures.

According to the United States Geological Survey, liquefaction is the process by which water-saturated sediment temporarily loses strength and acts as a fluid. Essentially, liquefaction is the process by which the ground soil loses strength due to an increase in water pressure following seismic activity. The project site is not located in an area that is subject to liquefaction. Lastly, the project site is not subject to the risk of landslides because there are no hills or mountains within the vicinity of the project site. As a result, the potential impacts in regard to ground shaking, liquefaction, and landslides are less than significant since the risk is no greater in and around the project site than for the rest of the area. Geologic hazards are shown in Exhibit 3-3.

⁴⁸ California Department of Conservation. *What is the Alquist-Priolo Act.* http://www.conservation.ca.gov/cgs/rghm/ap/Pages/main.aspx.

⁴⁹ Ibid.

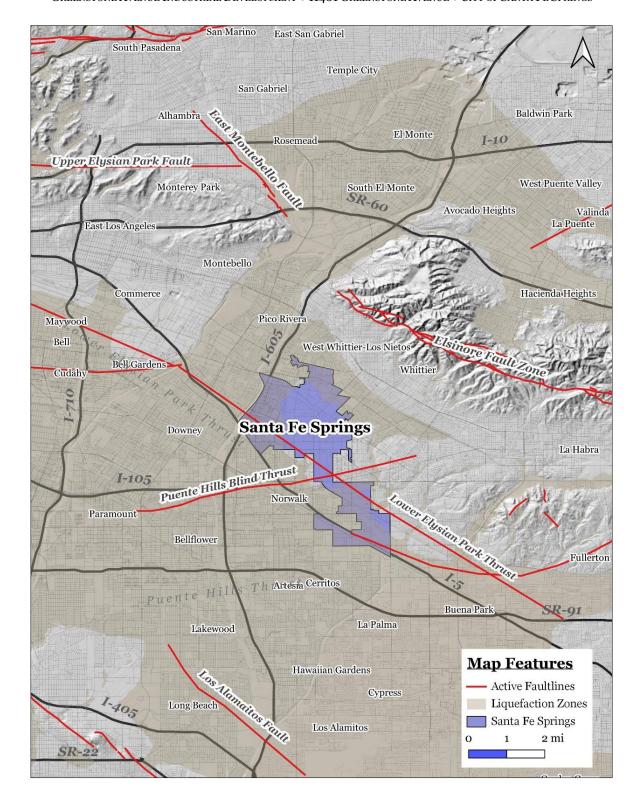


EXHIBIT 3-3 GEOLOGIC HAZARDS MAP

SOURCE: CALIFORNIA GEOLOGICAL SURVEY

INITIAL STUDY AND MITIGATED NEGATIVE DECLARATION GREENSTONE AVENUE • CITY OF SANTA FE SPRINGS

B. Would the project result in substantial soil erosion or the loss of topsoil? • Less than Significant Impact.

According to the soil maps prepared for Los Angeles County by the United States Department of Agriculture, the project site is underlain with soils of the Urban Land-Thums-Pierview complex. Soils of this association have a moderate erosion hazard; however, current development and the placement of landscaping have reduced the soil's erosion risk. The project site is level and limited grading will be required for structural supports, building foundations, and utility lines. All grading activities will require grading permits from the City, which include requirements and standards designed to reduce potential erosion impacts. These requirements will effectively mitigate potential stormwater runoff impacts during construction. The project site is currently level and will remain level following the site's development. The surface grades within the parking and internal roadways will be designed to facilitate drainage into the nearest curbs and gutters. As a result, the impacts will be less than significant.

C. Would the project be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse? • Less than Significant Impact.

The United States Department of Agriculture Soil Conservation Service Report and General Soil Map for Los Angeles County were reviewed for this project. The project site is underlain with soils of the Urban land-Thums-Pierview complex. Soils of this association are at a moderate risk for erosion; however, the project site was previously developed, and the underlying soils have been disturbed in order to facilitate previous construction activities. In addition, these soils are described as being used almost exclusively for residential and industrial development, as evident by the current level of urbanization present within the project site and surrounding areas.⁵⁰ As previously mentioned, the project site is not located in an area that is subject to liquefaction.⁵¹ The soils that underlie the project site pose no threat to development; in addition, the project site will be level once the project is complete. Therefore, the proposed project will not expose any person or structure to risks associated with soil collapse, landslides, or soil expansion. As a result, the potential impacts are less than significant.

D. Would the project be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (2012), creating substantial direct or indirect risks to life or property? ● Less than Significant Impact.

The Web Soil Survey, which is available on the United States Geological Survey website, was consulted to identify the soils that underlie the project site. According to the Web Soil Survey, the project site is underlain with soils of the Urban Land-Thums-Pierview complex, which is partially composed of clay. Shrinking and swelling is influenced by the amount of clay present in the underlying soils. Clay and silty clay loam are present in the composition of these soils and these soils associations possess a moderate shrink-swell potential. The project contractors will be required to comply with the structural engineer's recommendations. As a result, the potential impacts will be less than significant.

⁵⁰ United States Department of Conservation. Web Soil Survey. https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx. Website originally accessed September 5, 2020.

⁵¹ Ibid.

⁵² Ibid.

E. Would the project have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater? ● No Impact.

No septic tanks will used for the proposed project since the units will be connected to the sanitary sewer system. As a result, no impacts associated with the use of septic tanks will occur as part of the proposed project's implementation.

F. Would the project directly or indirectly destroy a unique paleontological resource or site or unique geologic feature? • Less than Significant Impact.

According to the State of California Geological Survey, the site's geology is classified as Urban Land-Thums-Pierview complex. Alluvium soil deposits that are present in a natural and undisturbed condition may contain paleontological resources, though these resources are more typically found in marine terraces and shales. The on-site soils have undergone disturbance due to the previous development. Furthermore, the on-site soils that underlie the property are Holocene-aged deposits that have a low potential for the discovery of paleontological resources. These soils are recent deposits that do not contain fossil deposits. Thus, the proposed project is not anticipated to disturb any paleontological resources and the impacts are less than significant.

CUMULATIVE IMPACTS

A potential project's geology and soils related impacts are generally site specific. As a result, the four related projects, together with the proposed project, are not anticipated to result in a significant adverse cumulative impact on geology and soils. Both the project site and this nearest related project site, exhibit the same topographical and soil characteristics, and each site was does not have any geotechnical constraints that are unique. As a result, no cumulative impacts will occur.

MITIGATION MEASURES

The analysis determined that the proposed project will not result in significant impacts related to geology and soils and no mitigation measures are required.

3.8 GREENHOUSE GAS EMISSIONS

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			×	
B. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on greenhouse gas emissions if it results in any of the following:

- Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- Would the project conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment? • Less than Significant Impact.

The State of California requires CEQA documents to include an evaluation of greenhouse gas (GHG) emissions or gases that trap heat in the atmosphere. Examples of GHG that are produced both by natural and industrial processes include carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O). The accumulation of GHG in the atmosphere regulates the earth's temperature. Without these natural GHG, the Earth's surface would be about 61°F cooler.⁵³ However, emissions from fossil fuel combustion have elevated the concentrations of GHG in the atmosphere to above natural levels. These man-made GHG will have the effect of warming atmospheric temperatures with the attendant impacts of changes in the global climate, increased sea levels, and changes to the worldwide biome. They major GHG that influence global warming are described below.

• Water Vapor. Water vapor is the most abundant GHG present in the atmosphere. While water vapor is not considered a pollutant, while it remains in the atmosphere it maintains a climate necessary for life. Changes in the atmospheric concentration of water vapor is directly related to the warming of the atmosphere rather than a direct result of industrialization. As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to

⁵³ California, State of. OPR Technical Advisory – CEQA and Climate Change: Addressing Climate Change through the California Environmental Quality Act (CEQA) Review. June 19, 2008.

"hold" more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. When water vapor increases in the atmosphere, more of it will eventually also condense into clouds, which are more able to reflect incoming solar radiation. This will allow less energy to reach the Earth's surface thereby affecting surface temperatures.

- Carbon Dioxide (CO2). The natural production and absorption of CO2 is achieved through the terrestrial biosphere and the ocean. Manmade sources of CO2 include the burning coal, oil, natural gas, and wood. Since the industrial revolution began in the mid-1700's, these activities have increased the atmospheric concentrations of CO2. Prior to the industrial revolution, concentrations were fairly stable at 280 parts per million (ppm). The International Panel on Climate Change (IPCC Fifth Assessment Report, 2014) Emissions of CO2 from fossil fuel combustion and industrial processes contributed about 78% of the total GHG emissions increase from 1970 to 2010, with a similar percentage contribution for the increase during the period 2000 to 2010.
- Methane (CH4). CH4 is an extremely effective absorber of radiation, although its atmospheric concentration is less than that of CO2. Methane's lifetime in the atmosphere is brief (10 to 12 years), compared to some other GHGs (such as CO2, N2O, and Chlorofluorocarbons (CFCs). CH4 has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other human-related sources of methane production include fossil-fuel combustion and biomass burning.
- Nitrous Oxide (N2O). Concentrations of N2O also began to increase at the beginning of the industrial revolution. In 1998, the global concentration of this GHG was documented at 314 parts per billion (ppb). N2O is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is also commonly used as an aerosol spray propellant.
- Chlorofluorocarbons (CFC). CFCs are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C2H6) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble, and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs have no natural source but were first synthesized in 1928. It was used for refrigerants, aerosol propellants, and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and in 1989 the European Community agreed to ban CFCs by 2000 and subsequent treaties banned CFCs worldwide by 2010. This effort was extremely successful, and the levels of the major CFCs are now remaining level or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.
- *Hydrofluorocarbons (HFC)*. HFCs are synthetic man-made chemicals that are used as a substitute for CFCs. Out of all the GHGs, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF3), HFC-134a (CF3CH2F), and HFC-152a (CH3CHF2). Prior to 1990, the only significant

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emissions were HFC-23. HFC-134a use is increasing due to its use as a refrigerant. Concentrations of HFC-23 and HFC-134a in the atmosphere are now about 10 parts per trillion (ppt) each. Concentrations of HFC-152a are about 1 ppt. HFCs are manmade and used for applications such as automobile air conditioners and refrigerants.

- Perfluorocarbons (PFC). PFCs have stable molecular structures and do not break down through the chemical processes in the lower atmosphere. High-energy ultraviolet rays about 60 kilometers above Earth's surface are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF4) and hexafluoroethane (C2F6). Concentrations of CF4 in the atmosphere are over 70 ppt. The two main sources of PFCs are primary aluminum production and semiconductor manufacturing.
- Sulfur Hexafluoride (SF6). SF6 is an inorganic, odorless, colorless, nontoxic, nonflammable gas. SF6 has the highest global warming potential of any gas evaluated; 23,900 times that of CO2. Concentrations in the 1990s were about 4 ppt. Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

GHG are emitted by both natural processes and human activities. Examples of GHG that are produced both by natural and industrial processes include carbon dioxide (CO2), methane (CH4), and nitrous oxide (N2O). The SCAQMD has adopted interim GHG thresholds for development projects within the South Coast Air Basin. According to the SCAQMD, the interim thresholds for industrial projects are 10,000 MTCO2E per year.54 Table 3-3 summarizes annual greenhouse gas (CO2E) emissions from build-out of the proposed project. Carbon dioxide equivalent, or CO₂E, is a term that is used for describing different greenhouse gases in a common and collective unit. As indicated in Table 3-3, the CO2E total for the project is 10,374.34 pounds per day or 4.66 MTCO₂E per day. This translates into an annual emission of 1,703.98 MTCO₂E, which is below the aforementioned threshold for industrial projects.

> Table 3-3 **Greenhouse Gas Emissions Inventory**

oreemouse out Emissions inventory					
Comme	GHG Emissions (Lbs/Day)				
Source	CO ₂	CH₄	N ₂ O	CO ₂ E	
Construction Phase - Demolition	3,747.94	1.05		3,774.31	
Construction Phase - Site Preparation	3,685.65	1.19		3,715.45	
Construction Phase - Grading	2,871.92	0.92		2,895.14	
Construction Phase - Construction	2,533.36	0.61		2,568.76	
Construction Phase - Paving	1,804.55	0.56		1,818.72	
Construction Phase - Coatings	281.44	0.01		281.93	
Long-term Area Emissions	20.64	0.01		21.14	
Long-term Energy Emissions	732.06	0.01	0.01	736.41	
Long-term Mobile Emissions	9,605.84	0.41		9,616.79	
Total Long-term Emissions	10,358.55	0.43	0.01	10,374.34	

Source: CalEEMod V.2016.3.2.

⁵⁴ SCAOMD. Interim CEOA GHG Significance Threshold for Stationary Sources, Rules and Plans. Agenda No. 31. December 5, 2008. https://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significancethresholds/ghgboardsynopsis.pdf

This figure (1,703.98 MTCO2E) does not take into account the implementation of *low impact development* (LID) requirements (drought tolerant landscaping, water efficient appliances, and energy efficient appliances) and compliance to Transportation Demand Management (TDM) requirements. As indicated in the table, the great majority of the GHG emissions will be generated from mobile sources. For this reason, the project's use of trip reduction incentives (the use of alternative forms of transportation, the installation of electric vehicle charging stations (the project will provide 11 EV stations) and bicycle racks, and other TDM measures will be important). The project is also an infill development within an urban area. Therefore, the project's GHG impacts are less than significant.

B. Would the project conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of greenhouse gases? • No Impact.

The City of Santa Fe Springs does not presently have an adopted Climate Action Plan. However, the City's General Plan includes a Conservation Element that has an air quality focus. In this section, the following policies related to air quality are identified:

- *Policy 2.1:* Continue to research alternatives and pollution control measures that influence air quality, including trip reductions, carpooling, and local transit services.
- *Policy 2.2:* Encourage urban infill and land uses and densities that result in reduced trips and reduced trip lengths, and that support non-motorized modes of travel.
- *Policy 2.3:* Initiate capital improvement programs that allow for bus turnouts, traffic synchronization, and intersection channelization.
- *Policy 2.4:* Continue to participate and support cooperative programs between cities which will reduce trips and vehicle miles traveled.

The proposed project will not involve or require any variance from the aforementioned policies. Furthermore, the proposed project will not involve or require any other variance from the adopted plan, policy, or regulation governing GHG emissions. There will also be a regional benefit in terms of a reduction in vehicle miles traveled (VMT) because it is an infill project that is consistent with the regional and State sustainable growth objectives identified in the State's Strategic Growth Council (SGC). 55 As a result, no impacts will occur.

CUMULATIVE IMPACTS

The implementation of the related projects would result in the generation of GHG emissions. The other related projects would largely involve replacement or the modernization of existing uses resulting in a limited increase in GHG emissions overall. The new development would be subject to new conservation measures that would translate into a reduction in overall GHG emissions over the life of the project. In addition, GHG emissions are inherently cumulative in nature though the new development will ensure that

⁵⁵ Promoting and enabling sustainable infill development is a principal objective of the SGC because of its consistency with the State Planning Priorities and because infill furthers many of the goals of all of the Council's member agencies. Focusing growth toward infill areas takes development pressure off conservation lands and working lands; it increases transit rider-ship and reduces vehicle trips; it requires less per capita energy and water use than less space-efficient development; it improves public health by promoting active transportation and active lifestyles; and it provides a more equitable mix of housing choices, among other benefits. Thus, the SGC has been investigating actions that can be taken to improve the ability of local governments and private developers to successfully plan and build good infill projects.

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more modern measures and designs are implemented as a means to reduce GHG emissions. As a result, no cumulative impacts are anticipated.

MITIGATION MEASURES

The analysis of potential impacts related to greenhouse gas emissions indicated that no significant adverse impacts would result from the proposed project's approval and subsequent implementation. As a result, no mitigation measures are required.

3.9 HAZARDS & HAZARDOUS MATERIALS

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?		×		
B. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?			×	
C. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?			×	
D. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?				×
E. Would the project for a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?				×
F. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				×
G. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on hazards and hazardous materials if it results in any of the following:

- Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?
- Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?
- Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?
- Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

- For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area?
- Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?
- Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury or death involving wildland fires?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials? • Less than Significant Impact with Mitigation.

A Phase I and Phase II Environmental Site Assessment (ESA) was previously prepared by Waterstone Environmental Group, Inc. (WEG) for the project site. Waterstone was retained to perform additional site assessment for the project site. Based on historical review, the property was undeveloped until an oil refinery was built in the late 1930s. Based on aerial photograph reviews, the refinery structures and equipment were removed from the site in stages starting in 1953 and ending in 1958. Construction materials including pipe and steel were stored on the site until about 1960. From 1960 until 1991, the Subject property was used by Riverside Steel as a steel fabricating facility.

The site is currently occupied by J. B. Hunt. The previous tenant who occupied the property for approximately ten years was Golden State Specialized Transportation, Inc. which transported and stored steel piping. A portable office trailer resides near the north-eastern section of the property. There are four portable storage units located immediately to the west of the office and tractor/trailer parking in the southeast corner of the property. The remainder of the property consists of pipe storage. The entrance to the property is along the eastern boundary with access from Greenstone Avenue. The property surface is primarily a gravel/asphalt mixture.

A total of 43 boring locations were advanced for the collection of soil samples. Of these, 7 borings were drilled to approximately 60 feet below the ground surface (bgs), 16 borings were drilled to approximately 30 feet bgs, and 20 borings were advanced to approximately 10 feet bgs. Sampling depths varied with each location depending on former chemical use and storage for that location. The results of the investigation indicate that TPH, BTEC, some semi-VOCs, and lead have been detected in the subsurface at the property in varying levels. The new monitoring equipment will be installed in the southwest corner of the site. The analysis determined that the following mitigation measures would be required to address potentially significant impacts:

- The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the City prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.
- The project Applicant will be required obtain the services of a qualified contractor to design and

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install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.

With adherence to the above mitigation, the impacts will be less than significant.

B. Would the project create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment? • Less than Significant Impact.

As indicated in the previous section (Section 3.9.A), the project site has been subject to contamination from historic land uses that will require ongoing monitoring. Due to the nature of the proposed project, the use of any hazardous materials will be limited to those that are commercially available and typically used in a household setting and will be used in accordance with all applicable laws and regulations. Therefore, the proposed project will not create a hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment through the routine use or transport of hazardous materials.

C. Would the project emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school? • Less than Significant Impact.

The Carmela Elementary School is located 3,100 feet northeast of the project site. As indicated in the previous section (Section 3.9.A), the project site has been subject to contamination from historic uses. Adherence to the soil management plan (SMP) requirements will mitigate potential impacts. The previous section describes the location and extent of this contamination and also indicates the required mitigation. The following mitigation measures cited in the previous section will also be effective in ensuring that these hazardous materials are not released into the general environment. The project Applicant must retain the services of a qualified professional to oversee the preparation of a SMP that will focus on the handling of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs. The SMP must be approved by the City prior to commencement of any removal of contaminated soils. The proposed units, once constructed, would not involve the use of any hazardous materials other than that typically used for routine cleaning and maintenance. As a result, the impacts are anticipated to be less than significant with adherence to the previous mitigation.

D. Would the project be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment? ● No Impact.

A search of the Envirostor Hazardous Waste and Substances Site "Cortese" List database identified two Cortese sites within the City: Sonic Plating Co., Inc. (located at 13002 Los Nietos Road) and Kelly Pipe Co.,

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LLC (located at 11700 Bloomfield Avenue). The nearest of these Cortese sites to the project site is Kelly Pipe Co., LLC.⁵⁶ Since the proposed project will not affect any Cortese site, no impacts will occur.

E. For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or a public use airport, would the project result in a safety hazard or excessive noise for people residing or working in the project area? • No Impact.

Fullerton Airport is located approximately 5.2 miles southeast of the project site and the Long Beach Airport is located approximately 9 miles to the southwest.⁵⁷ The proposed project will not introduce a building that will interfere with the approach and take-off of airplanes utilizing any of the aforementioned airports and will not risk the safety of the people residing or working in the project area. As a result, no impacts are anticipated.

F. Would the project impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan? • No Impact.

At no time will any adjacent street be completely closed to traffic during the project's construction. All construction staging must occur on-site. As a result, no impacts are associated with the proposed project's implementation.

G. Would the project expose people or structures, either directly or indirectly, to a significant risk of loss, injury, or death involving wildland fires? • Less than Significant Impact.

The project site is not located within a "very high fire hazard severity zone." As a result, the potential impacts are will be less than significant.

CUMULATIVE IMPACTS

Cumulative impacts with respect to hazards and hazardous materials are typically site specific. The analysis herein determined that the implementation of the proposed project would not result in any significant adverse impacts related to hazards and/or hazardous materials with the implementation of the required mitigation measures. As a result, no cumulative impacts related to hazards or hazardous materials will result from the proposed project's implementation.

MITIGATION MEASURES

The analysis determined that the following mitigation measures would be required to address potentially significant impacts:

Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation

⁵⁶ California Department of Toxic Substances Control, Envirostor. Hazardous Waste and Substances Site Cortese List. http://www.envirostor.dtsc.ca.gov/public/search.asp?cmd=search&reporttype=CORTESE&site_type=CSITES,OPEN,FUDS,CLOS_ E&status=ACT,BKLG,COM&reporttitle=HAZARDOUS+WASTE+AND+SUBSTANCES+SITE+LIST.

⁵⁷ Toll-Free Airline. Los Angeles County Public and Private Airports, California. http://www.tollfreeairline.com/ california/losangeles.htm.

activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the City prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.

Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.

3.10 HYDROLOGY & WATER QUALITY

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?			×	
B. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?				×
C. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site; substantially increase the rate or amount of surface runoff in a manner in which would result in flooding onor off-site; create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or, impede or redirect flood flows?			×	
D. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?				×
E. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on hydrology and water quality if it results in any of the following:

- Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality?
- Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin?
- Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site; substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or offsite; create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or, impede or redirect flood flows?
- In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation?

• Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface or groundwater quality? ● Less than Significant Impact.

In the absence of any requirements or regulations, a significant area of impervious surfaces (i.e., buildings, internal driveways, parking areas, etc.) may result in debris, leaves, soils, oil/grease, and other pollutants. The proposed project would be required to implement storm water pollution control measures pursuant to the National Pollutant Discharge Elimination System (NPDES) requirements. The contractors would also be required to prepare a Water Quality Management Plan (WQMP) utilizing Best Management Practices to control or reduce the discharge of pollutants to the maximum extent practicable. The WQMP will also identify post-construction best management practices (BMPs) that will be the responsibility of the contractors to implement over the life of the project. Prior to issuance of any grading permit for the project that would result in soil disturbance of one or more acres of land, the Applicant shall demonstrate that coverage has been obtained under California's General Permit for Storm Water Discharges Associated with Construction Activity by providing a copy of the Notice of Intent (NOI) submitted to the State Water Resources Control Board, and a copy of the subsequent notification of the issuance of a Waste Discharge Identification (WDID) Number or other proof of filing shall be provided to the Chief Building Official and the City Engineer. In addition, the contactors would be required to prepare and implement a Storm Water Pollution Prevention Plan (SWPPP). The SWPPP would be submitted to the Chief Building Official and City Engineer prior to the issuance of a grading permit. With the above-mentioned standard conditions, the impacts would be reduced to levels that are considered to be less than significant.

B. Would the project substantially decrease groundwater supplies or interfere substantially with groundwater recharge such that the project may impede sustainable groundwater management of the basin? • No Impact.

The proposed project will be connected to the City's utility lines and will not deplete groundwater supplies. Since there are no underground wells on-site that would be impacted by the proposed development, no impacts will occur.

C. Would the project substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river or through the addition of impervious surfaces, in a manner which would result in substantial erosion or siltation on- or off-site; substantially increase the rate or amount of surface runoff in a manner in which would result in flooding on- or off-site; create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff; or, impede or redirect flood flows? • Less than Significant Impact.

The project's construction will be restricted to the designated project site and the project will not alter the course of any stream or river that would lead to on- or off-site siltation or erosion. The site is currently vacant and undeveloped. No significant grading and/or excavation into the local aquifer will occur. No additional undisturbed land will be affected. As a result, the potential impacts will be less than significant.

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D. In flood hazard, tsunami, or seiche zones, would the project risk release of pollutants due to project inundation? • No Impact.

According to the City of Santa Fe Springs Natural Hazards Mitigation Plan, "The 100-year flooding event is a flood having a one percent chance of being equaled or exceeded in magnitude in any given year. Contrary to popular belief, it is not a flood occurring once every 100 years. The 100-year floodplain is the area adjoining a river, stream, or watercourse covered by water in the event of a 100-year flood." The project site is not located within a designated 100-year flood hazard area, as defined by the Federal Emergency Management Agency (FEMA).⁵⁸ According to the FEMA flood insurance map obtained from the Los Angeles County Department of Public Works, the proposed project site is located in Zone X.⁵⁹ This flood zone has an annual probability of flooding of less than 0.2% and represents areas outside the 500-year flood plain. Thus, properties located in Zone X are not located within a 100-year flood plain. Therefore, no impacts related to flood flows are associated with the proposed project's implementation.

The Santa Fe Springs General Plan and the City's Natural Hazards Mitigation Plan indicates the greatest potential for dam failure and the attendant inundation comes from the Whittier Narrows Dam located approximately five miles northwest of the City. The City of Santa Fe Springs Multi-Hazard Functional Plan states there is a low risk that the City will experience flooding due to dam failure. Nevertheless, in the event of dam failure, the western portion of the City located to the west of Norwalk Boulevard would experience flooding approximately one hour after dam failure. The maximum flood depths could reach as high as five feet in depth, gradually declining to four feet at the southern end of the City's impacted area. The project site is located one mile east of Norwalk Boulevard and would not be impacted. As a result, no impacts related to flooding will occur.

The proposed project is not located in an area that is subject to inundation by seiche or tsunami. As indicated earlier, there are no rivers located in the vicinity that would result in a seiche. In addition, the project site is located approximately 22 miles inland from the Pacific Ocean and the project site would not be exposed to the effects of a tsunami. Lastly, the proposed project will not result in any mudslides since the project site is generally level and is not located near any slopes. As a result, no impacts are expected.

E. Would the project conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan? • Less than Significant Impacts.

The proposed project will be in compliance with the City of Santa Fe Springs Municipal Code that outlines the local requirements for the implementation of the NPDES and MS4 stormwater runoff requirements. In addition, the project's operation will not interfere with any groundwater management or recharge plan because there are no active groundwater management recharge activities on-site or in the vicinity. As indicated in Section 3.10.A, the proposed project would be required to implement stormwater pollution control measures pursuant to the NPDES requirements. The Applicant would also be required to prepare a WQMP utilizing Best Management Practices to control or reduce the discharge of pollutants to the maximum extent practicable. In addition, the Applicant must prepare and implement a Storm Water

⁶⁰ City of Santa Fe Springs. Natural Hazards Mitigation Plan. October 11, 2004.

⁵⁸ Los Angeles County Department of Public Works. Flood Zone Determination Website. http://dpw.lacounty.gov/wmd/floodzone/. Website accessed April 14, 2021.

⁵⁹ Ibid.

⁶¹ Google Earth. Website accessed April 22, 2021.

Pollution Prevention Plan (SWPPP) in order to ensure that potential water quality impacts are mitigated. The aforementioned requirements will reduce the potential impacts to levels that are less than significant.

CUMULATIVE IMPACTS

The potential impacts related to hydrology and storm water runoff are typically site-specific. All four of the related project sites were previously developed. The related projects will not be permitted to drain offsite and will be required to impound stormwater runoff onsite. Furthermore, each individual development will be required to implement NPDES and SWPPP requirements. As a result, no cumulative impacts are anticipated.

MITIGATION MEASURES

As indicated previously, hydrological characteristics will not substantially change as a result of the proposed project. As a result, no mitigation is required.

3.11 LAND USE & PLANNING

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project physically divide an established community?			×	
B. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on mineral resources if it results in any of the following:

- Would the project physically divide an established community?
- Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project physically divide an established community? ● Less Than Significant Impact.

The 6.63-acre project site is currently being used as a truck trailer parking facility and is occupied by J. B. Hunt Transport Services, Inc. The project site is surrounded by development on all sides. Exhibits 2-4 shows an aerial photograph of the project site and the adjacent development. Exhibit 2-5 and 2-5 includes photographs of the project site and the surrounding area. Surrounding land uses in the vicinity of the project site are listed below:

- North of the Project Site. A distribution use, TwinMed, LLC., is located to the north of the site at 11133 Greenstone Avenue. The site is located adjacent to the project site. 62
- South of the Project Site. A manufacturing building, Maruichi American Corp. is located to the south of the site at 13929 Greenstone Avenue. This use is located adjacent to the project site's south side.⁶³
- East of the Project Site. Greenstone Avenue extends along the project site's east side. Further east, on the east side of Greenstone Avenue, are other industrial uses. The Rio Hondo Fire Academy is

⁶² Blodgett Baylosis Environmental Planning, Site survey. Survey was conducted on April 25, 2021.

⁶³ Ibid.

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located opposite the project site on the east side of Greenstone Avenue at 11400 Greenstone Avenue. A new FedEx Ground shipping facility is located further south.⁶⁴

• West of the Project Site. A railroad right-of-way extends along the site's west side. Further west, is Kelly Pipe Co.⁶⁵

As indicated previously, the project site is currently occupied by J. B. Hunt Transport Services, Inc. The site is being used as a truck trailer parking facility. An office and a maintenance building occupy the northeast corner of the property and these improvements will be removed when development commences. The majority of site is currently unpaved though the site is level and has been graded. The site's frontage along Greenstone Avenue is landscaped and includes seven mature evergreen trees in the parkway area. Access to the site is currently provided by a single driveway located along the west side of Greenstone Avenue. ⁶⁶ The proposed project and the applicable zoning and general plan land use designations will be compatible with the proposed use. As a result, less than significant impacts will occur.

B. Would the project cause a significant environmental impact due to a conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect? ● No Impact.

As indicated in the previous subsection, the use contemplated for the proposed development will not conflict with any existing General Plan land use designation or zoning designation.⁶⁷ The Zoning Map is shown in Exhibit 3-4. In addition, the project site is located approximately 22 miles inland from the Pacific Ocean and is not subject to a local coastal program.⁶⁸ The proposed project will not impact an adopted or approved local, regional, or State habitat conservation plan or natural community conservation plan because the proposed project is located in the midst of an urban area. In addition, the Puente Hills Significant Ecological Area (SEA #15) is the closest protected SEA and is located approximately 8½ miles northeast from the project site.⁶⁹ The construction and occupancy of the proposed residential development will be restricted to the project site and will not affect the Puente Hills SEA. Therefore, no impacts will result.

CUMULATIVE IMPACTS

The potential cumulative impacts with respect to land use are site-specific. There are no related projects located adjacent to the proposed project site. The proposed project will not require any GPA or ZC and the future use will be consistent with the Santa Fe Springs General Plan, no cumulative land use impacts will result from the proposed project's implementation.

⁶⁴ Blodgett Baylosis Environmental Planning. Site survey. Survey was conducted on April 25, 2021.

⁶⁵ Ibid.

⁶⁶ Ibid.

⁶⁷ City of Santa Fe Springs. General Plan Land Use Map and Zoning Map. As amended 2010.

⁶⁸ Google Maps. Website accessed April 14, 2021.

⁶⁹ County of Los Angeles Department of Regional Planning. *Significant Ecological Areas and Coastal Resource Areas Policy Map.* February 2015.

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MITIGATION MEASURES

The analysis determined that no impacts on land use and planning would result upon the implementation of the proposed project. As a result, no mitigation measures are required.

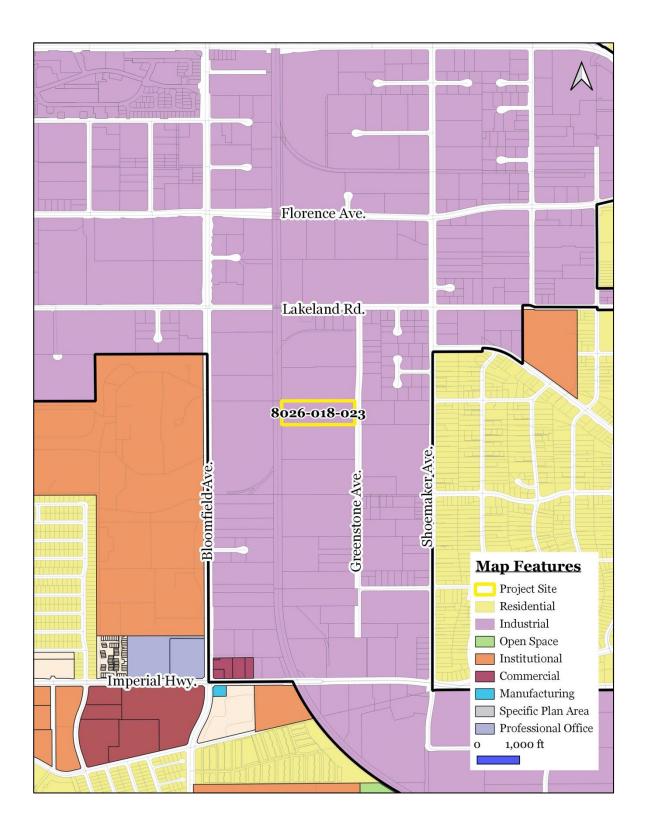


EXHIBIT 3-4 GENERAL PLAN ZONING MAP

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

3.12 MINERAL RESOURCES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the State?				×
B. Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on mineral resources if it results in any of the following:

- Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?
- Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state? • No Impact.

A review of California Division of Oil, Gas, and Geothermal Resources well finder indicates that there are no wells located within the project site boundaries. There is a plugged well located within the property to the north (well API 0403716439 operated by Ridge Hill Oil Company).⁸ The Surface Mining and Reclamation Act of 1975 (SMARA) has developed mineral land classification maps and reports to assist in the protection and development of mineral resources. According to the SMARA, the following four mineral land use classifications are identified:

- Mineral Resource Zone 1 (MRZ-1): This land use classification refers to areas where adequate information indicates that no significant mineral deposits are present, or where it is judged that little likelihood exists for their presence.
- Mineral Resource Zone 2 (MRZ-2): This land use classification refers to areas where adequate information indicates that significant mineral deposits are present, or where it is judged that a high likelihood for their presence exists.
- *Mineral Resource Zone 3 (MRZ-3):* This land use classification refers to areas where the significance of mineral deposits cannot be evaluated from the available data. Hilly or mountainous areas underlain by sedimentary, metamorphic, or igneous rock types and lowland areas underlain by alluvial wash or fan material are often included in this category. Additional information about

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the quality of material in these areas could either upgrade the classification to MRZ-2 or downgraded it to MRZ-1.

• *Mineral Resource Zone 4 (MRZ-4):* This land use classification refers to areas where available information is inadequate for assignment to any other mineral resource zone.

The project site is not located in a Significant Mineral Aggregate Resource Area (SMARA) nor is it located in an area with active mineral extraction activities. A review of California Division of Oil, Gas, and Geothermal Resources well finder indicates that there are no wells located in the vicinity of the project site. The project site is located within Mineral Resource Zone (MRZ-3A), which means there may be significant mineral resources present. However, the site is in use as a trailer and truck yard and is surrounded on all sides by development. In addition, there are no active mineral extraction activities occurring on-site or in the adjacent properties. As a result, no impacts to mineral resources will occur.

B. Would the project result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan? • No Impact.

As previously mentioned, no mineral, oil, or energy extraction and/or generation activities are located within the project site. Moreover, the proposed project will not interfere with any resource extraction activity. Therefore, no impacts will result from the implementation of the proposed project.

CUMULATIVE IMPACTS

The potential impacts on mineral resources are site-specific. Furthermore, the analysis determined that the proposed project would not result in any impacts on mineral resources. No mineral resources or extraction activities are located within the project site boundaries nor are any such resources found within the boundaries of the four related projects. As a result, no cumulative impacts will occur.

MITIGATION MEASURES

The analysis of potential impacts related to mineral resources indicated that no significant adverse impacts would result from the approval of the proposed project and its subsequent implementation. As a result, no mitigation measures are required.

3.13 Noise

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			×	
B. Would the project result in generation of excessive ground-borne vibration or ground-borne noise levels?			×	
C. For a project located within the vicinity of a private airstrip or- an airport land use plan, or where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on noise if it results in any of the following:

- Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?
- Would the project result in generation of excessive groundborne vibration or groundborne noise levels?
- For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project result in generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies? • Less than Significant Impact.

Noise levels may be described using a number of methods designed to evaluate the "loudness" of a particular noise. The most commonly used unit for measuring the level of sound is the decibel (dB). Zero on the decibel scale represents the lowest limit of sound that can be heard by humans. The eardrum may rupture at 140 dB. In general, an increase of between 3.0 dB and 5.0 dB in the ambient noise level is considered to represent the threshold for human sensitivity. Noise level increases of 3.0 dB or less are not generally

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perceptible to persons with average hearing abilities.⁷⁰ Typical noise levels related to common activities are illustrated in Exhibit 3-5. The ambient noise environment in the vicinity of the proposed development is dominated by noise emanating from vehicles traveling on Greenstone Avenue.⁷¹

Future sources of noise generated on-site will include noise typically associated with industrial uses and noise emanating from vehicles traveling to and from the site. The implementation of the proposed project will not expose any sensitive receptors to excessive noise because the proposed development's distance and separation from such uses. Furthermore, the proposed use will be required to adhere to all pertinent noise control regulations outlined by the City of Santa Fe Springs. The City of Santa Fe Springs Municipal Code has established the following noise control standards for development within M-2 zones: Absolute maximum of 90 dBA between 7:00 AM to 10:00 PM and an absolute maximum of 90 dBA between 10:00 PM to 7:00 AM.⁷² The City's noise standards are not to be exceeded by five dBA for a cumulative period of 15 minutes in any hour, by ten dBA for a cumulative period of five minutes in any hour, by 15 dBA for a cumulative period of one minute in any hour, or by 20 dBA for any period of time (less than one minute in an hour).

A change in traffic noise levels of between 3.0 dBA and 5.0 dBA is generally considered to be the limit where the change in the ambient noise levels may be perceived by persons with normal hearing. It typically requires a doubling of traffic volumes to register a perceptible change (increase) in traffic noise. As indicated in Section 3.16, the project will generate approximately 333 net one-way PCE trips per average day. Therefore, the proposed project's traffic generation will not result in a doubling of traffic volumes. As a result, less than significant impacts will occur.

B. Would the project result in generation of excessive groundborne vibration or groundborne noise levels? • Less than Significant Impact.

Construction activities for the proposed project have the potential to generate low levels of ground-borne vibration. The operation of construction equipment generates vibrations that propagate though the ground and diminishes in intensity with distance from the source. The nearest noise sensitive land uses that may potentially be impacted by ground-borne vibration and noise (primarily from the use of heavy construction equipment) are the residential uses located to the east, east of Shoemaker Avenue. The noisiest phases of construction are anticipated to be 89 dBA as measured at a distance of 50 feet from the construction activity. The aforementioned homes are more than 900 feet from the project site. The construction noise levels will decline as one moves away from the noise source. This effect is known as spreading loss. In general, the noise level adjustment that takes the spreading loss into account calls for a 6.0 dBA reduction for every doubling of the distance beginning with the initial 50-foot distance. However, construction activities will be in compliance with the City's noise standards.

⁷⁰ Bugliarello, et. al. *The Impact of Noise Pollution*, Chapter 127, 1975.

⁷¹ Blodgett Baylosis Environmental Planning. Site Survey. April 27, 2021.

⁷² Santa Fe Springs, City of. Municipal Code. Title XV Land Usage, Chapter 155 Zoning, Section 155.424.

Noise Levels - in dBA 165 160 Serious 155 Injury 150 145 sonic boom 140 135 130 jet take off at 200 ft. 125 **120** music in night club interior 139 motorcycle at 20 ft. 110 power mower 105 100 **Discomfort** freight train at 50 ft. **95** food blender 90 electric mixer, light rail train horn **85** 80 **75** portable fan, roadway traffic at 50 ft. **70 65** dishwasher, air conditioner 60 **Typical 55** Noise normal conversation **50** Levels refrigerator, light traffic at 100 ft. 45 40 library interior (quiet study area) **35 30 25** 20 15 Threshold rustling leaves 10 5 Hearing 0

EXHIBIT 3-5 TYPICAL NOISE SOURCES AND LOUDNESS SCALE

SOURCE: BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

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As previously mentioned, the operation of equipment or the construction of projects is prohibited in between the hours of 7:00 p.m. of one day and 7:00 a.m. of the next day when the project is located within a radius of 500 feet from a residential area. Compliance with City noise standards will decrease any potential adverse impacts to the nearby residential neighborhood. Adherence to the City's noise control standards will reduce the construction-related noise impacts to levels that are less than significant since the hours of construction will be limited to the daytime periods.

The City of Santa Fe Springs has not adopted policies or guidelines relative to ground-borne vibration resulting from construction. The City Municipal Code (Section 155.428) states, "Every use shall be so operated that the ground vibration generated by said use is not harmful or injurious to the use or development of surrounding properties. No vibration shall be permitted which is perceptible without instruments at any use alone the property line on which said use is located." However, this threshold applies to ground-borne vibrations from long-term operational activities, not construction. The proposed project is a residential development and would not involve the use of equipment that would result in high vibration levels, which are more typical for large commercial and industrial projects. In addition, the proposed use would not result in the increased use of heavy-duty vehicles on the public roadways. As a result, the potential ground-borne noise impacts are considered to be less than significant.

C. For a project located within the vicinity of a private airstrip or an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels? ● No Impact.

The project site is not located within two miles of an airport. Fullerton Airport is located approximately six miles southeast of the project site and the Long Beach Airport is located approximately ten miles to the southwest.⁷³ The proposed project is not located within the Runway Protection Zones (RPZ) of any of the aforementioned airports. As a result, the project will not expose people working in the project area to excessive noise levels and no impacts will occur.

CUMULATIVE IMPACTS

The related projects are located away from each other so that the cumulative stationary noise impacts would not be audible. None of the related projects are located within 800 feet of the project site. In addition, none of the related projects are located within a direct line of sight of the proposed project. As a result, no cumulative noise impacts will result.

MITIGATION MEASURES

The analysis of potential noise impacts indicated that no significant adverse impacts would result from the proposed project's construction and operation. As a result, no mitigation measures are required.

⁷³ Toll-Free Airline. Los Angeles County Public and Private Airports, California. http://www.tollfreeairline.com/california/losangeles.htm.

3.14 POPULATION & HOUSING

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?				×
B. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on population and housing if it results in any of the following:

- Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?
- Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project induce substantial unplanned population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)? • No Impact.

Growth-inducing impacts are generally associated with the provision of urban services to an undeveloped or rural area. Growth-inducing impacts include the following:

- New development in an area presently undeveloped and economic factors which may influence development. The project site is currently being used as a truck trailer parking facility. The site is surrounded on all sides by urban development.
- Extension of roadways and other transportation facilities. No roadway extensions will be required to accommodate the proposed development.
- *Extension of infrastructure and other improvements*. The installation of any new utility lines will not lead to subsequent offsite development since these utility lines will serve the site only.

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- Major off-site public projects (treatment plants, etc.). The project's increase in demand for utility services can be accommodated without the construction or expansion of landfills, water treatment plants, or wastewater treatment plants.
- The removal of housing requiring replacement housing elsewhere. There are no housing units located on either property. As a result, no replacement housing will be required.
- Additional population growth leading to increased demand for goods and services. The project's construction would result in a limited increase in construction employment which can be accommodated by the local labor market.
- Short-term growth-inducing impacts related to the project's construction. The project will result in temporary employment during the construction phase.

The proposed project is projected to add 95 new jobs. According to the Growth Forecast Appendix prepared by SCAG for the 2016-2040 RTP/SCS, the City of Santa Fe Springs is projected to have an employment population of 20,300 job through the year 2045, which is an increase of 2,400 jobs from the 2020 figure.74 The proposed project's number of 95 new jobs is well within SCAG's population projections for the City of Santa Fe Springs.75 The proposed project will not induce substantial unplanned population growth in an area. As a result, no impacts will occur.

B. Would the project displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere? • No Impact.

No housing units will be displaced as a result of the proposed project's implementation. The site is currently being used as a truck and trailer parking facility. As a result, no housing displacement impacts will occur.

CUMULATIVE IMPACTS

The proposed project's development of would not involve any residential development nor would it result in any displacement of housing units. Two related projects (Related Project #1, Lakeland Road Housing Development and Related Project #2, Lakeland Apartments) would result in potential residential development. The projected employment increase from the proposed project and the population increase resulting from the single related project would be consistent with the Growth Forecast in SCAG's RTP/SCS. As a result, no cumulative housing and population impacts would result.

MITIGATION MEASURES

The analysis of potential population and housing impacts indicated that no significant adverse impacts would result from the proposed project's approval and subsequent implementation. As a result, no mitigation measures are required.

⁷⁴ Southern California Association of Governments. *Adopted Growth Forecast Regional Transportation Plan 2016-2040*. http://gisdata.scag.ca.gov/Pages/SocioEconomicLibrary.aspx

⁷⁵ Southern California Association of Governments. Adopted Growth Forecast Regional Transportation Plan 2016-2040. http://gisdata.scag.ca.gov/Pages/SocioEconomicLibrary.aspx

3.15 Public Services

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which would cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for: fire protection; police protection; schools; parks; or other public facilities?			×	

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on public services if it results in any of the following:

Would the project result in substantial adverse physical impacts associated with the provision of
new or physically altered governmental facilities, need for new or physically altered governmental
facilities, the construction of which could cause significant environmental impacts, in order to
maintain acceptable service ratios, response times or other performance objectives for any of the
public services: fire protection, police protection, schools, parks or other public facilities?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which would cause significant environmental impacts, in fire protection; police protection; schools; parks; or other public facilities? • Less than Significant Impact.

Fire Department

The City of Santa Fe Springs Fire Department provides fire prevention and emergency medical services within the City. The department consists of three separate divisions: Operations, Fire Prevention and Environmental Protection. The Operations Division provides fire suppression, emergency medical services (EMS), hazardous materials response, and urban search and rescue. The Fire Prevention Division provides plan check, inspections, and public education. Finally, the Environmental Protection Division is responsible for responding to emergencies involving hazardous materials. The Fire Department operates from four stations: Station No. 1 (11300 Greenstone Avenue), Station No. 2 (8634 Dice Road), Station No. 3 (15517 Carmenita Road), and Station No. 4 (11736 Telegraph Road). The first response station to the site is station No. 1.76 The Fire Department currently reviews all new development plans, and future development will be required to conform to all fire protection and prevention requirements, including, but not limited to, building setbacks and emergency access. The proposed project would only place an incremental demand on

⁷⁶ Santa Fe Springs Fire Department. Website accessed on August 22, 2020.

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fire services since the project will involve the construction of a modern structure that will be subject to all pertinent fire and building codes. Like all development projects within the City, the proposed project will undergo review by the City of Santa Fe Springs Fire Department to ensure that sprinklers, hydrants, fire flow, etc. are adequate in meeting the Department's requirements. The Department will also review the project's emergency access and clearance. Compliance with the abovementioned requirement, as well as the pertinent codes and ordinances, would reduce the impacts to levels that are less than significant. Construction activities also have the potential to affect fire protection services, such as emergency vehicle response times, by adding construction traffic to local roadways and potentially requiring partial lane closures during street improvements and utility installations. However, at no time will Greenstone Avenue be completely closed to traffic. All construction staging areas will be located within the project site. As a result, the project would not impair the implementation of, or physically interfere with, an adopted emergency response plan or emergency evacuation plan and less than significant impacts are associated with the proposed project's implementation

Law Enforcement

The City of Santa Fe Springs Department of Police Services (DPS) is responsible for management of all law enforcement services within the City. The DPS is staffed by both City personnel and officers from the City of Whittier Police Department (WPD) that provide contract law enforcement services to Santa Fe Springs. The police services contract between the two cities provides for a specified number of WPD patrolling officers though the DPS has the ability to request an increased level of service. WPD law enforcement personnel assigned to the City includes 35 sworn officers and six support personnel. The proposed project would only place an incremental demand on police protection services since the project would be secured at all times. The building and layout design would include crime prevention features, such as nighttime security lighting and secure parking facilities. A sliding wrought iron gate will be installed at the entrance to the loading dock area. To ensure the proposed project adheres to the City's security requirements, the City of Santa Fe Springs Department of Police Services will review the site plan for the proposed project to ensure that the development adheres to the Department requirements, including, but not limited to, photometric plan review. Adherence to the abovementioned requirement will reduce potential impacts to levels that are less than significant.

Schools

The project site is served by the following schools and school districts: Carmela Elementary School (South Whittier School District), Richard Graves Middle School (South Whittier School District), and Santa Fe High School (Whittier Union High School District). The nearest other school district to the project site, the Norwalk-La Mirada School District, does not have any schools within the project area. Pursuant to SB-50, payment of fees to the applicable school district is considered full mitigation for project-related impacts. The proposed project's school enrollment impacts will be offset by the school fees that will be paid by the developer. As a result, less than significant impacts will result from the proposed project's implementation.

Recreational Services

Due to the industrial nature of the proposed project, the proposed project will not likely place a demand for recreational open space and services. As a result, the impacts anticipated are less than significant.

⁷⁷ City of Whittier. http://www.cityofwhittier.org/depts/police/sfs/default.asp.

Governmental Services

No new governmental services will be needed, and the proposed project is not expected to have any significant impact on existing governmental services. The proposed project will not directly increase demand for governmental services. As a result, no impacts are anticipated.

CUMULATIVE IMPACTS

The projected population increase resulting from the proposed project and the two related projects that are residential would still be within the projected year 2040 population projection developed by SCAG. During the period from 2006-07 through 2015-16, the South Whittier School District enrollments declined by 1,016 students, or 24.9%. In addition, all of the cumulative projects along with the proposed project will be required to pay all pertinent school development fees. As a result, the additional students generated by the proposed project would not result in any adverse cumulative impacts.

MITIGATION MEASURES

The analysis of public service impacts indicated that no significant adverse impacts are anticipated and no mitigation is required with the implementation of the proposed project.

3.16 RECREATION

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?			×	
B. Would the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on recreation if it results in any of the following:

- Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?
- Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated? • Less than Significant Impact.

The City of Santa Fe Springs Parks and Recreation Services Department operates and maintains a wide range of active and passive facilities for local residents. These parks include Los Nietos Park, Little Lake Park, Lake Center Athletic Park, Lakeview Park, Santa Fe Springs Park and Heritage Park. The nearest park to the project site is the Amelia Mayberry Park located approximately 2,100 feet to the northeast. This park is owned and operated by Los Angeles County Department of County Parks and Recreation. Given the industrial nature of the proposed project, there will not be an increase in the demand for recreational use and services. As a result, the impacts anticipated are less than significant.

B. Would the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment? • No Impact.

The proposed project does not involve recreational facilities or the construction or expansion of recreational facilities. As a result, no impacts are anticipated.

CUMULATIVE IMPACTS

The analysis determined that the proposed project would not result in any impacts on recreational services or facilities. These potential residents will utilize the various public services in the City. Two related projects (Related Project #1, Lakeland Road Housing Development and Related Project #2, Lakeland Apartments) would result in potential residential development. These two related projects that are residential will provide recreational amenities as part of their individual developments. As a result, the potential cumulative impacts will be less than significant.

MITIGATION MEASURES

The analysis of potential impacts related to parks and recreation indicated that no significant adverse impacts would result from the proposed project's approval and subsequent implementation. As a result, no mitigation measures are required.

3.17 TRANSPORTATION

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project conflict with a plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities?			×	
B. Conflict or be inconsistent with CEQA Guidelines §15064.3 subdivision (b)?				×
C. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				×
D. Would the project result in inadequate emergency access?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on transportation and circulation if it results in any of the following:

- Would the project conflict with a plan, ordinance or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian facilities?
- Would the project conflict or be inconsistent with CEQA Guidelines section 15064.3, subdivision (b)?
- Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?
- Would the project result in inadequate emergency access?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle, and pedestrian facilities? ● Less than Significant Impact.

The project will provide two full-access driveways on Greenstone Avenue for both cars and trucks. The following paragraphs provide a brief description of the existing roadways which comprise the circulation network of the study area, providing the majority of both regional and local access to the project.

• Bloomfield Avenue is a major north-south major arterial highway with two travel lanes in each direction. The street is approximately 84 to 90 feet wide and posted with a speed limit of 40 miles per hour. Directional travels are separated by either raised median or a 2-way turn lane along the center of the street. The intersections of Bloomfield Avenue at Florence Avenue, Lakeland Road and Imperial Highway are signalized. Parking is not permitted along the sides of the street. The

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average daily volume on Bloomfield Avenue is approximately 17,610 vehicles per day (assuming PM peak hour volume counted on Bloomfield Avenue represents approximately 10% of its average daily traffic volume).

- Greenstone Avenue is a north-south local street with one travel lane in each direction. The street is
 approximately 64 feet wide and posted with a speed limit of 35 miles per hour. Directional travels
 are separated by a yellow line along the center of the street. Parking is permitted along the sides of
 the street.
- Shoemaker Avenue is a north-south secondary arterial highway per the City's Circulation Element of General Plan with two travel lanes in each direction. The street is approximately 84 feet wide and posted with a speed limit of 45 miles per hour in the vicinity of the project site. Directional travels are separated by a yellow line along the center of the street. The intersections of Shoemaker Avenue at Florence Avenue, Lakeland Road and Imperial Highway are signalized. Parking is permitted along the sides of the street. The average daily volume on Shoemaker Avenue is approximately 11,460 vehicles per day (assuming PM peak hour volume counted on Shoemaker Avenue represents approximately 10% of its average daily traffic volume).
- Florence Avenue is a major east-west arterial street with two travel lanes in each direction plus left turn lanes at major intersections. Directional travel is separated by raised median islands along the center. The street is approximately 80 feet wide and posted with a speed limit of 40 miles per hour. Parking is not permitted along the sides of the street. The average daily volume on Florence Avenue is approximately 23,830 vehicles per day (assuming PM peak hour volume counted on Florence Avenue represents approximately 10% of its average daily traffic volume).
- Lakeland Road is a north-south secondary arterial highway with one travel lane in each direction. Directional travel is separated by a 2-way turn lane along the center of the street. The street is approximately 64 feet wide and posted with a speed limit of 40 miles per hour. Parking is partially permitted along the sides of the street. The average daily volume on Lakeland Road is approximately 7,000 vehicles per day (assuming PM peak hour volume counted on Lakeland Road represents approximately 10% of its average daily traffic volume).
- *Imperial Highway* is a major east-west arterial street with three travel lanes in each direction plus turn lanes at major intersections. Directional travel is separated by raised median islands along the center. The street is approximately 84 feet wide and posted with a speed limit of 45 miles per hour. Parking is not permitted along the sides of the street. The average daily volume on Imperial Highway is approximately 26,860 vehicles per day (assuming PM peak hour volume counted on Imperial Highway represents approximately 10% of its average daily traffic volume).⁷⁸

For the purpose of evaluating existing operating conditions as well as future operating conditions with and without the proposed project, the study area was carefully selected in accordance with local traffic study guidelines. Manual turning movement counts for the selected intersections were collected in the field for the morning and evening peak periods during the month of April 2021.

⁷⁸ Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021

The intersections were counted during the peak hours of 7:00 to 9:00 AM and 4:00 to 6:00 PM on a typical weekday (Tuesday, Wednesday or Thursday) in a non-holiday week. It was determined that the following six (6) key signalized intersections would be analyzed in the study:

- Bloomfield Avenue and Florence Avenue (Signalized);
- Bloomfield Avenue and Lakeland Road (Signalized);
- Bloomfield Avenue and Imperial Highway (Signalized);
- Shoemaker Avenue and Florence Avenue (Signalized);
- Shoemaker Avenue and Lakeland Road (Signalized); and,
- Shoemaker Avenue and Imperial Highway (Signalized).

Year 2021 existing traffic conditions were evaluated using the Intersection Capacity Utilization (ICU) method of level of service (LOS) analysis for signalized intersections. Table 3-4 presents existing condition intersection level of service (LOS) analysis summary. Detailed calculations relating to the study intersections are included in the Technical Appendix of this report. Based on the results of this analysis, all 6 of the 6 study intersections are operating at an acceptable level of service (i.e., LOS D or better) during the AM and PM peak hours, as shown in Table 3-4.80

Table 3

Table 3-4
Future Year (2022) Pre-Project Conditions without Level of Service
Summary

Intersection	Peak Hour	Future Pre-I Level of Service (LOS)	Project Conditions Volume to Capacity (V/C)								
Bloomfield Ave. & Florence Ave. (Signalized)	AM	В	0.704								
1. Bloommeid Ave. & Florence Ave. (Signanzed)	PM	D	0.813								
2. Bloomfield Ave. & Lakeland Rd. (Signalized)	AM	A	0.415								
2. Bloommeid Ave. & Lakeland Rd. (Signanzed)	PM	A	0.566								
3. Bloomfield Ave. & Imperial Hwy. (Signalized)	AM	В	0.613								
3. Bloomineid Ave. & Imperial riwy. (Signanzed)	PM	В	0.690								
Champles Ave 9 Flavores Ave (Cimplined)	AM	В	0.607								
4. Shoemaker Ave. & Florence Ave. (Signalized)	PM	В	0.677								
= Charmakan Avia % Lakaland Dd (Gionalizad)	AM	A	0.326								
5. Shoemaker Ave. & Lakeland Rd. (Signalized)	PM	A	0.416								
6. Shoemaker Ave. & Imperial Hwy. (Signalized)	AM	A	0.598								
o. Shoemaker Ave. & Imperial riwy. (Signanzeu)	PM	В	0.612								

Source: Crown City Engineers, Inc.

SECTION 3 • ENVIRONMENTAL ANALYSIS

⁷⁹ Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021.

⁸⁰ Ibid.

In order to accurately assess future traffic conditions with the proposed project, trip generation estimates were developed for the project. Trip generation rates for the project are based on the nationally recognized recommendations contained in "Trip Generation" manual, 10th edition, published by the Institute of Transportation Engineers (ITE). ITE also provides information on percentage of truck traffic associated with warehouse/storage land use. The vehicle-mix percentages provided for heavy warehouse use in the City of Fontana's "Truck Trip Generation Study", August 2003, were used to determine the number of various types of truck trips to be generated. A truck trip is generally equivalent to 2 or 3 passenger car trips depending on the type of trucks. Accordingly, a 2.0 factor was applied to the number of 2-axle and 3-axle truck trips and a 3.0 factor was applied to the number of 4+-axle truck trips to estimate passenger car equivalent (PCE) trips generated by the trucks.⁸¹

Table 3-5 shows a summary of trip generation estimates for the project. It is estimated that the project will generate approximately 333 net one-way PCE trips per average day (167 inbound and 166 outbound). The average weekday net new peak hour PCE trips will be approximately 33 trips during the AM peak hour (25 inbound and 8 outbound), and 36 trips during the PM peak hour (10 inbound and 26 outbound).

Table 3-5 Proposed Project's Trip Generation

			Trip Generation Rate ¹							Average Traffic Volume					
ITE Size & Unit Use		Daily AM Peak Hour			P	PM Peak Hour			AM	[Peak]	Hour	PM Peak Hour			
	Total	Total	%IN	%OUT	Total	%IN	%OUT	Daily Total	IN	OUT	Total	IN	OUT	Total	
Total Vehicle Tr	rip Generat	ion													
150 Warehouse	150.548 KSF	1.74	0.17	77%	23%	0.19	27%	73%	251	19	6	25	8	21	29

Vehicle Mix² and Passenger Car Equivalent (PCE) Trips

			Vehicle Trips							PCE trips					
Vehicle Mix Trip %	Trip %	Daily Total	Daily AM Peak Hour		PM Peak Hour			Daily	AM	Peak H	our	PM Peak Hour			
			IN	OUT	Total	IN	OUT	Total	Total	IN	OUT	Total	IN	OUT	Total
Car (PCE=1.0)	79.57%	200	15	4	19	5	16	21	200	15	5	20	6	16	22
2-axle Truck (PCE=2.0)	3.46%	9	1	0	1	1	1	2	17	1	1	2	0	1	1
3-axle Truck (PCE=2.0)	4.64%	11	1	1	2	0	1	1	23	2	0	2	1	2	3
4+-axle Truck (PCE=3.0)	12.33%	31	2	1	3	1	2	3	93	7	2	9	3	7	10
TOTAL TRIPS IN PCE:								333	25	8	33	10	26	36	

Note: All trip rates are average rates per Institute of Transportation Engineers (ITE)'s publication manual "Trip Generation", 10th Edition, 2017.

 $^{^1}$ Trip rates for Warehouse (ITE Code 150) from Institute of Transportation Engineers (ITE), "Trip Generation" manual, 10th Edition, 2017

² Vehicle mix percentages for Heavy Warehouse (ITE Code 150) from the City of Fontana, "Truck Trip Generation Study", August 2003

⁸¹ Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021.

All of the study intersections will continue to operate at an acceptable level of service (LOS) D or better (i.e., within the range of acceptable thresholds of LOS A through D) during the AM and PM peak hours under future traffic conditions with the project (refer to Table 3-6). The project's off-site traffic impact would not be considered significant at any of these intersections based on volume to capacity ratio and level of service expected after the project. A project's impact on the circulation system is determined by comparing the level of service (LOS) and V/C ratios at key intersections under the future pre-project conditions and future post-project conditions. A LOS level D or better is acceptable for urban area intersections. A level of service worse than D (i.e., LOS E or F) is considered deficient and unacceptable. A project's traffic impact is determined to be significant if the increase in V/C ratio is 0.04 or more at LOS C, or 0.02 or more at LOS D, or 0.01 or more at LOS E and F.82

Table 3-6
Future (2021) Level of Service Summary with and without Project

		·	Future 2022	2 Conditio	ns	Increase	
Intersection	Peak Hour	Withou	ut Project	With	in V/C by		
		LOS	V/C	LOS	V/C	Project	
Bloomfield Ave. & Florence Ave. (Signalized)	AM	D	0.714	С	0.706	0.002	
1. Biodifficial rive, & Florence rive. (Orginalized)	PM	В	0.813	D	0.816	0.003	
2. Bloomfield Ave. & Lakeland Rd. (Signalized)	AM	A	0.415	A	0.420	0.005	
2. Bloommeid Ave. & Lakeland Ku. (Signanzeu)	PM	A	0.566	A	0.566	0.000	
3. Bloomfield Ave. & Imperial Hwy. (Signalized)	AM	В	0.613	В	0.616	0.003	
3. Bloomineid Ave. & Imperial Trwy. (Signalized)	PM	В	0.690	В	0.691	0.001	
4. Shoemaker Ave. & Florence Ave. (Signalized)	AM	В	0.607	В	0.608	0.001	
4. Shoemaker Ave. & Florence Ave. (Signalized)	PM	В	0.677	В	0.677	0.000	
5. Shoemaker Ave. & Lakeland Rd. (Signalized)	AM	A	0.326	A	0.327	0.001	
5. Shoemaker Ave. & Lakerand Rd. (Signanzed)	PM	A	0.416	A	0.416	0.000	
6. Shoemaker Ave. & Imperial Hwy. (Signalized)	AM	A	0.598	A	0.599	0.001	
o. Shoemaker Ave. & Imperial riwy. (Signalized)	PM	В	0.612	В	0.613	0.001	

Source: Crown City Engineers, Inc.

As the above results in Table 3-6 indicate, the increases in V/C ratio by project traffic would not exceed the significance thresholds of project-related impacts. Therefore, the project is not expected to significantly impact traffic conditions at any of the key intersections in the vicinity. As a result, the impacts are less than significant.

B. Would the project conflict or be inconsistent with CEQA Guidelines Section 15064.3 subdivision (b)? ◆ No Impact.

According to CEQA Guidelines §15064.3 subdivision (b)(1), vehicle miles traveled exceeding an applicable threshold of significance may indicate a significant impact. It is important to note that the project is an

⁸² Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021.

"infill" development, which is seen as an important strategy in combating the release of GHG emissions. The County of Los Angeles is included in the Los Angeles County Congestion Management Program (CMP), which is prepared and maintained by the Los Angeles County Metropolitan Transportation Authority (Metro). The requirements of the CMP became effective with voter approval of Proposition 111. The purpose of the CMP is to link land use, transportation, and air quality decisions to develop a partnership among transportation decision-makers in devising appropriate transportation solutions that include all modes of travel and to propose transportation projects that are eligible to compete for State gas tax funds. The CMP also serves to consistently track trends during peak traffic hours at major intersections in the Country and identify areas in great need of improvements where traffic congestion is worsening. The CMP requires that intersections which are designated as being officially monitored by the Program be analyzed under the County's CMP criteria if the proposed project is expected to generate 50 or more peak hour trips on a CMP-designated facility. The nearest CMP-designated intersection to the project site is Imperial Highway/Carmenita Road. This intersection was not analyzed within the traffic impact analysis and will not experience more than 50 peak hour trips at a freeway intersection.

Based on the results of the traffic impact analysis, the proposed Greenstone Warehouse project would not significantly impact any of the key intersections analyzed in the surrounding roadway system. The addition of project traffic will not increase the volume to capacity (V/C) ratios at these intersections beyond the significance thresholds of project related impacts as defined in the City's Traffic Study Guidelines. Therefore, no off-site mitigation measures would be necessary for the development of this project.

C. Would the project substantially increase hazards due to a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)? No Impact.

The project will provide two full-access driveways along the east side of Greenstone Avenue. A maximum of 19 vehicles (passenger car equivalent) will enter the site during the peak hour through the driveways on Greenstone Avenue from the north by making a right-turn movement. A maximum of 20 vehicles (passenger car equivalent) will exit the site during the peak hour through the driveways to travel north by making a left-turn movement. This low volume of traffic is not expected to cause any significant on-street delays or long queues. Adequate sight distance is available from the driveways along both directions on Greenstone Avenue⁸³. As a result, no impacts will occur.

D. Would the project result in inadequate emergency access? • No Impact.

The project would not affect emergency access to any adjacent parcels. At no time will any local streets or parcels be closed to traffic. As a result, the proposed project's implementation will not result in any impacts.

CUMULATIVE IMPACTS

Trip generation estimates for these related projects were developed by using nationally recognized and recommended rates contained in "Trip Generation" manual, 10th edition, published by the Institute of Transportation Engineers (ITE). ITE also provides information on percentage of truck traffic associated with warehouse/storage land use. For warehouse uses, vehicle trips were calculated in terms of passenger car equivalents (PCE) by using vehicle mix percentages provided for warehouse uses in the City of Fontana's "Truck Trip Generation Study", August 2003. A truck trip is generally equivalent to 2 or 3 passenger car

⁸³ Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021.

trips depending on the type of trucks. Accordingly, a 2.0 factor was applied to the number of 2-axle and 3-axle truck trips and a 3.0 factor was applied to the number of 4+-axle truck trips to estimate passenger car equivalent (PCE) trips generated by the trucks.

The traffic study indicated that the related projects will generate approximately 333 PCE trips per average day. The average weekday net new peak hour trips will be approximately 33 PCE trips during the AM peak hour, and 36 PCE trips during the PM peak hour. As the traffic study results indicate, all of the 6 study intersections will continue to operate at an acceptable level of service (i.e., LOS D or better) during the AM and PM peak hours.⁸⁴

MITIGATION MEASURES

Based on the results of the traffic impact analysis, the proposed project would not significantly impact any of the key intersections analyzed in the surrounding roadway system. The addition of project traffic will not increase the volume to capacity (V/C) ratios at these intersections beyond the significance thresholds of project related impacts as defined in the City's Traffic Study Guidelines. Therefore, no off-site mitigation measures would be necessary for the development of this project.

⁸⁴ Crown City Traffic Engineers. Greenstone Avenue Warehouse Project: Traffic Impact Analysis (TIA) Report. April, 2021.

3.18 TRIBAL CULTURAL RESOURCES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is: Listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resource Code Section 5024.1 In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe5020.1(k)?		×		

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on tribal cultural resources if it results in any of the following:

• Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is: listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Public Resource Code Section 5024.1 In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project cause a substantial adverse change in the significance of a tribal cultural resource, defined in Public Resources Code section 21074 as either a site, feature, place, cultural landscape that is geographically defined in terms of the size and scope of the landscape, sacred place, or object with cultural value to a California Native American Tribe, and that is: listed or eligible for listing in the California Register of Historical Resources, or in a local register of historical resources as defined in Public Resources Code section 5020.1(k), or a resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in

subdivision (c) of Public Resource Code Section 5024.1 In applying the criteria set forth in subdivision (c) of Public Resource Code Section 5024.1, the lead agency shall consider the significance of the resource to a California Native American Tribe? • Less than Significant Impact with Mitigation.

A Tribal Cultural Resource is defined in Public Resources Code section 21074 and includes the following:

- Sites, features, places, cultural landscapes, sacred places, and objects with cultural value to a California Native American tribe that are either of the following: included or determined to be eligible for inclusion in the California Register of Historical Resources or included in a local register of historical resources as defined in subdivision (k) of Section 5020.1.
- A resource determined by the lead agency, in its discretion and supported by substantial evidence, to be significant pursuant to criteria set forth in subdivision (c) of Section 5024.1. In applying the criteria set forth in subdivision (c) of Section 5024.1 for the purposes of this paragraph, the lead agency shall consider the significance of the resource to a California Native American tribe.
- A cultural landscape that meets the criteria of subdivision (a) is a tribal cultural resource to the extent that the landscape is geographically defined in terms of the size and scope of the landscape.
- A historical resource described in Section 21084.1, a unique archaeological resource as defined in subdivision (g) of Section 21083.2, or a "non-unique archaeological resource" as defined in subdivision (h) of Section 21083.2 may also be a tribal cultural resource if it conforms to the criteria of subdivision (a).

Adherence to the aforementioned mitigation presented above and in Subsection B under Cultural Resources will minimize potential impacts to levels that are less than significant.

CUMULATIVE IMPACTS

The potential environmental impacts related to cultural resources are site-specific. Furthermore, the analysis herein determined that the proposed project would not result in any impacts on cultural resources. All of the related projects are located on properties that are developed. None of the properties were located on sites that were undisturbed. As a result, no cumulative tribal/cultural resources impacts will occur as part of the proposed project's implementation.

MITIGATION MEASURES

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 4 (Tribal Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that

involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

In the unlikely event that human remains are uncovered by construction crews and/or the Native American Monitors, all excavation/grading activities shall be halted and the Whittier Police Department (which provided law enforcement services to the City of Santa Fe Springs) will be contacted (the Department will then contact the County Coroner). Title 14; Chapter 3; Article 5; Section 15064.5 of CEQA will apply in terms of the identification of significant archaeological resources and their salvage. Adherence to the abovementioned mitigation will reduce potential impacts to levels that are less than significant.

3.19 UTILITIES

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?			×	
B. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years?				×
C. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?			×	
D. Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?			×	
E. Would the project negatively impact the provision of solid waste services or impair the attainment of solid waste reduction goals?				×
F. Would the project comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on utilities if it results in any of the following:

- Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or storm water drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects?
- Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years?
- Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?

- Would the project generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals?
- Would the project negatively impact the provision of solid waste services or impair the attainment of solid waste reduction goals?
- Would the project comply with Federal, State, and local management and reduction statutes and regulations related to solid waste?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. Would the project require or result in the relocation or construction of new or expanded water, wastewater treatment or stormwater drainage, electric power, natural gas, or telecommunications facilities, the construction or relocation of which could cause significant environmental effects? • Less than Significant Impact.

The City of Santa Fe Springs is located within the service area of the Sanitation District 2 of Los Angeles County. The nearest wastewater treatment plant to Santa Fe Springs is the Los Coyotes Water Reclamation Plant (WRP) located in Cerritos. The Los Coyotes WRP is located at 16515 Piuma Avenue in the City of Cerritos and occupies 34 acres at the northwest junction of the San Gabriel River (I-605) and the Artesia (SR-91) Freeways. The plant was placed in operation on May 25, 1970, and initially had a capacity of 12.5 million gallons per day and consisted of primary treatment and secondary treatment with activated sludge. The Los Coyotes WRP provides primary, secondary and tertiary treatment for 37.5 million gallons of wastewater per day. The plant serves a population of approximately 370,000 people. Over 5 million gallons per day of the reclaimed water is reused at over 270 reuse sites. Reuse includes landscape irrigation of schools, golf courses, parks, nurseries, and greenbelts; and industrial use at local companies for carpet dying and concrete mixing. The remainder of the effluent is discharged to the San Gabriel River. Treated wastewater is disinfected with chlorine and conveyed to the Pacific Ocean. The reclamation projects utilize pump stations from the two largest Sanitation Districts' Water Reclamation plants includes the San Jose Creek WRP in Whittier and Los Coyotes WRP in Cerritos. The Los Coyotes WRP has a design capacity of 37.5 million gallons per day (mgd) and currently processes an average flow of 20.36 mgd. As indicated in Table 3-5, the future development is projected to generate 4,333 gallons of effluent on a daily basis which is well under the capacity of the aforementioned WRPs.85

Table 3-5
Wastewater (Effluent) Generation (gals/day)

Use	Floor Area	Factor	Generation	
Distribution	144,434 sq. ft.	0.03 gallons/day/sq. ft.	4,333 gals/day	
Total Consumption			4,333 gals/day	

Source: Blodgett Baylosis Environmental Planning.

In addition, the new plumbing fixtures that will be installed will consist of water conserving fixtures as is required by the current City Code requirements. No new or expanded sewage and/or water treatment

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facilities will be required to accommodate the proposed project and as a result, the impacts are expected to be less than significant.

B. Would the project have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry, and multiple dry years? ● No Impact.

As indicated in the previous section, the proposed project will generate approximately 21,684 gallons of wastewater a day. The future wastewater generation will be within the treatment capacity of the Los Coyotes and Long Beach WRP. Water in the local area is supplied by the Santa Fe Springs Water Utility Authority (SFSWUA). Water is derived from two sources: groundwater and surface water. The SFSWUA pumps groundwater from the local well and disinfects this water with chlorine before distributing it to customers. SFSWUA also obtains treated and disinfected groundwater through the City of Whittier from eight active deep wells located in the Whittier Narrows area. The proposed project is projected to consume approximately 7,222 gallons of water on a daily basis.

Table 3-6
Water Consumption (gals/day)

Use	Floor Area	Factor	Generation	
Distribution	144,434 sq. ft.	0.05 gallons/day/sq. ft.	7,222 gals/day	
Total Consumption			7,222 gals/day	

Source: Blodgett Baylosis Environmental Planning.

The existing water supply facilities can accommodate this additional demand. Therefore, no new water and wastewater treatment facilities will be needed to accommodate the excess effluent generated by the proposed project and no impacts are anticipated to occur.

C. Would the project result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments? • Less than Significant Impact.

The County of Los Angeles, acting as the Los Angeles County Flood Control District (LACFCD), has the regional, County-wide flood control responsibility. LACFCD responsibilities include planning for developing and maintaining flood control facilities of regional significance which serve large drainage areas. The proposed project will be required to comply with all pertinent Federal Clean Water Act requirements. The site proposes new internal roadways and hardscape areas that will be subject to the National Pollutant Discharge Elimination System (NPDES) permit from the Regional Water Quality Control Board. The project will also be required to comply with the City's storm water management guidelines. As a result, the potential impacts will be less than significant.

D. Would the project generate solid waste in excess of state or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals? ● Less than Significant Impact.

As previously indicated, Table 3-6 indicates the water consumption estimated for the proposed project. The proposed project is projected to consume approximately 32,526 gallons of water on a daily basis. The

existing water supply facilities can accommodate this additional demand. As a result, the impacts are considered to be less than significant.

E. Would the project negatively impact the provision of solid waste services or impair the attainment of solid waste reduction goals? ● No Impact.

The Sanitation Districts operate a comprehensive solid waste management system serving the needs of a large portion of Los Angeles County. This system includes sanitary landfills, recycling centers, materials recovery/transfer facilities, and energy recovery facilities. The two operational sites are the Calabasas Landfill, located near the City of Agoura Hills, and the Scholl Canyon Landfill, located in the City of Glendale. The Puente Hills Landfill was permanently closed in October 2013 and is only currently accepting clean dirt. The Sanitation Districts continue to maintain environmental control systems at the other closed landfills, which include the Spadra, Palos Verdes, and Mission Canyon landfills. Local municipal solid waste collection services are currently provided by Consolidated Disposal Services, CR&R Waste and Recycling, and Serv-Wel Disposal Company. ⁸⁶ Operational waste that cannot be recycled or taken to area landfills will be transported to the Commerce incinerator. Trash collection is provided by the Consolidated Disposal Service, CR&R Waste and Recycling, and Serv-Well Disposal Company. Table 3-7 indicates the solid waste generation for the proposed project.

Table 3-7
Solid Waste Generation (lbs./day)

Use	Use Floor Area		Generation
Distribution	144,434 sq. ft.	8.93 lbs/1,000/sq. ft.	1,290 lbs/day
Total Generation			1,290 lbs/day

Source: Blodgett Baylosis Environmental Planning.

The proposed project is projected to generate approximately 1,700 pounds of solid waste on a daily basis. The proposed project will contribute a limited amount to the waste stream. As a result, the impacts will be less than significant.

F. Would the project comply with Federal, State, and local management and reduction statutes and regulations related to solid waste? • No Impact.

The proposed project, like all other development in Los Angeles County and the City of Santa Fe Springs, will be required to adhere to City and County ordinances with respect to waste reduction and recycling. As a result, no impacts related to State and local statutes governing solid waste are anticipated.

CUMULATIVE IMPACTS

The nearest related projects to the proposed project site include two related projects (Related Projects #3 and #4) located to the south of the project site on Greenstone Avenue. The potential for projects to have a cumulative impact depends on both their geographic location as well as the timing of development. The

⁸⁶ Los Angeles County Sanitation Districts. http://www.lacsd.org/wastewater/wwfacilities/joint_outfall_system_wrp/los_coyotes.asp.

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geographic area affected by cumulative projects will vary depending on the environmental topic. Both the proposed project and the two related projects will connect to water, and sewer lines located in Greenstone Avenue.

MITIGATION MEASURES

The analysis of utilities impacts indicated that no significant adverse impacts would result from the proposed project's approval and subsequent implementation. As a result, no mitigation is required.

3.20 WILDFIRE

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan?				×
B. If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?				×
C. If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?				×
D. If located in or near State responsibility areas or lands classified as very high fire hazard severity zones, would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?				×

THRESHOLDS OF SIGNIFICANCE

According to the City of Santa Fe Springs, acting as Lead Agency, a project may be deemed to have a significant adverse impact on wildfire risk and hazards if it results in any of the following:

- If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan?
- If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to, pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire?
- If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment?
- If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project expose people or structures to significant risks, including downslope or

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downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes?

ANALYSIS OF ENVIRONMENTAL IMPACTS

A. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project substantially impair an adopted emergency response plan or emergency evacuation plan? • No Impact.

The proposed project would not involve the closure or alteration of any existing evacuation routes that would be important in the event of a wildfire. As a result, no impacts will occur.

B. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones would the project due to slope, prevailing winds, and other factors, exacerbate wildfire risks, and thereby expose project occupants to pollutant concentrations from a wildfire or the uncontrolled spread of a wildfire? • No Impact.

The project site is slated for development. The proposed project may be exposed to particulate emissions generated by wildland fires in the surrounding region. However, the potential impacts would not be exclusive to the project site since criteria pollutant emissions from wildland fires may affect the entire City as well as the surrounding cities and unincorporated county areas. As a result, no impacts will occur.

C. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project require the installation or maintenance of associated infrastructure (such as roads, fuel breaks, emergency water sources, power lines, or other utilities) that may exacerbate fire risk or that may result in temporary or ongoing impacts to the environment? • No Impact.

The project will not require, nor will it involve the extension of new utility lines such as gas lines, water lines, etc. other that connections to the site itself. As a result, no impacts will result.

D. If located in or near state responsibility areas or lands classified as very high fire hazard severity zones, would the project expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes? ● No Impact.

There is no risk from wildfire within the project site or the surrounding area given the project site's distance from any area that may be subject to a wildfire event. Therefore, the project will not result in any impacts related to flooding or landslides facilitated by runoff flowing down barren and charred slopes and no impacts will occur.

CUMULATIVE IMPACTS

The analysis herein determined that the proposed project would not result in any significant adverse impacts with respect to potential wildfire. In addition, none of the four related projects are located within an area located in a geographic area where there is a risk from wild fire. All four related projects occupy properties that are developed and are surround by urban development. As a result, no cumulative impacts related to wildfire will occur.

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MITIGATION MEASURES

The analysis of wildfires impacts indicated that less than significant impacts would result from the proposed project's approval and subsequent implementation. As a result, no mitigation is required.

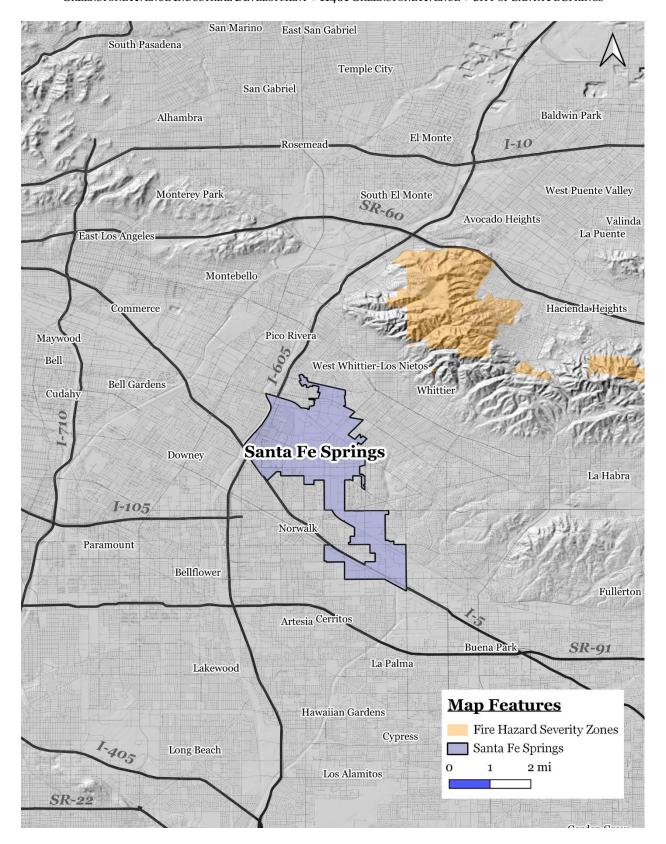


EXHIBIT 3-6 FHSZ MAP

Source: Blodgett Baylosis Environmental Planning

3.21 MANDATORY FINDINGS OF SIGNIFICANCE

Environmental Issue Areas Examined	Potentially Significant Impact	Less Than Significant Impact With Mitigation	Less Than Significant Impact	No Impact
A. Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?				×
B. Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?				×
C. Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				×

The following findings can be made regarding the Mandatory Findings of Significance set forth in Section 15065 of the CEQA Guidelines based on the results of this environmental assessment:

- **A.** The proposed project *will not* have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory. As indicated in Section 3.1 through 3.20, the proposed project will not result in any significant unmitigable environmental impacts.
- **B.** The proposed project *will not* have impacts that are individually limited, but cumulatively considerable. The proposed project and the attendant environmental impacts will not lead to a cumulatively significant impact on any of the issues analyzed herein.
- **C.** The proposed project *will not* have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly. As indicated in Section 3.1 through 3.20, the proposed project will not result in any significant unmitigable environmental impacts.



SECTION 4 CONCLUSIONS

4.1 FINDINGS

The Initial Study determined that the proposed project is not expected to have significant adverse environmental impacts. The following findings can be made regarding the Mandatory Findings of Significance set forth in Section 15065 of the CEQA Guidelines based on the results of this Initial Study:

- The proposed project *will not* have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare or threatened species or eliminate important examples of the major periods of California history or prehistory, with the implementation of the required mitigation.
- The proposed project *will not* have impacts that are individually limited, but cumulatively considerable.
- The proposed project *will not* have environmental effects which will cause substantially adverse effects on human beings, either directly or indirectly, with the implementation of the required mitigation.

4.2 MITIGATION MONITORING

In addition, pursuant to Section 21081(a) of the Public Resources Code, findings must be adopted by the decision-maker coincidental to the approval of a Mitigated Negative Declaration. These findings shall be incorporated as part of the decision-maker's findings of fact, in response to AB-3180 and in compliance with the requirements of the Public Resources Code. In accordance with the requirements of Section 21081(a) and 21081.6 of the Public Resources Code, the City of Santa Fe Springs can make the following additional finding that a mitigation monitoring and reporting program will be required for the proposed project.



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SECTION 5 REFERENCES

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Marc Blodgett, Project Principal Andrea Withers, Project Manager Karla Nayakarathne, Project Planner and Geographer

5.2 REFERENCES

All references have been identified using footnotes.



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MITIGATION MONITORING & REPORTING PROGRAM

GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT 11401 GREENSTONE AVENUE SANTA FE SPRINGS, CALIFORNIA



LEAD AGENCY:

CITY OF SANTA FE SPRINGS PLANNING AND DEVELOPMENT DEPARTMENT 11710 TELEGRAPH ROAD SANTA FE SPRINGS, CALIFORNIA 90670

REPORT PREPARED BY:

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING 2211 S. HACIENDA BOULEVARD, SUITE 107 HACIENDA HEIGHTS, CALIFORNIA 91745

MAY 25,2021

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MITIGATION MONITORING & REPORTING PROGRAM

INTRODUCTION & FINDINGS

The Initial Study determined that the proposed project is not expected to have any significant adverse environmental impacts. The following findings can be made regarding the Mandatory Findings of Significance set forth in Section 15065 of the CEQA Guidelines based on the results of this Initial Study:

- The proposed project will not have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare or threatened species or eliminate important examples of the major periods of California history or prehistory.
- The proposed project *will not* have impacts that are individually limited, but cumulatively considerable.
- The proposed project *will not* have environmental effects which will cause substantially adverse effects on human beings, either directly or indirectly.

In addition, pursuant to Section 21081(a) of the Public Resources Code, findings must be adopted by the decision-maker coincidental to the approval of a Mitigated Negative Declaration, which relates to the Mitigation Monitoring Program. These findings shall be incorporated as part of the decision-maker's findings of fact, in response to AB-3180 and in compliance with the requirements of the Public Resources Code. In accordance with the requirements of Section 21081(a) and 21081.6 of the Public Resources Code, the City of Santa Fe Springs can make the following additional findings:

- A mitigation reporting or monitoring program will be required; and,
- An accountable enforcement agency or monitoring agency shall be identified for the mitigation measures adopted as part of the decision-maker's final determination.

A number of mitigation measures have been recommended as a means to reduce or eliminate potential adverse environmental impacts to insignificant levels. AB-3180 requires that a monitoring and reporting program be adopted for the recommended mitigation measures.

SUMMARY OF MITIGATION MEASURES

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the

construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

The analysis determined that the following mitigation measures would be required to address potentially significant impacts with respect to hazardous materials:

Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the city prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.

Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 4 (Tribal Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

MITIGATION MONITORING MATRIX

The monitoring and reporting for the mitigation measures, including the period for implementation, monitoring agency, and the monitoring action, are identified in Table 1.

Table 1 Mitigation Monitoring Program

Measure	Enforcement Agency	Monitoring Phase	Verification
Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	During the project's construction phase. Mitigation ends when construction is completed.	Date: Name & Title:
Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the city prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the start of any construction related activities. Mitigation ends at the completion of the construction phase.	Date: Name & Title:
Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the issuance of any Building Permits Mitigation ends at the completion of the construction phase.	Date: Name & Title:
Mitigation Measure No. 4 (Tribal Cultural Resources) The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the issuance of any Grading Permits Mitigation ends at the completion of the construction phase.	Date: Name & Title:



TRAFFIC IMPACT STUDY WAREHOUSE DEVELOPMENT 11401 GREENSTONE AVENUE SANTA FE SPRINGS, CALIFORNIA

Prepared for

CITY OF SANTA FE SPRINGS PLANNING DEPARTMENT

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Under the Supervision of: Patrick B. Lang, P.E

April 2021 CCE2021-01 PBL

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TRAFFIC IMPACT STUDY

WAREHOUSE DEVELOPMENT 11401 GREENSTONE AVENUE

SANTA FE SPRINGS, CALIFORNIA

PREPARER'S CERTIFICATE

•		study has been prepared ssional Traffic Engineer, re	
Patrick B. Lang, P.E. Registration #: TR 875	Date	Professional Engineer's Stamp	-

TRAFFIC IMPACT STUDY WAREHOUSE DEVELOPMENT 11401 GREENSTONE AVENUE SANTA FE SPRINGS, CALIFORNIA

EXECUTIVE SUMMARY

The purpose of this traffic impact analysis is to evaluate the impacts on traffic circulation system relating to the proposed operation of Greenstone Warehouse in the City of Santa Fe Springs, California. The proposed project will be located on the west side of Greenstone Avenue between Lakeland Road and Sunshine Avenue. The proposed project consists of construction of a warehouse building with a total floor area of 144,411 square feet in gross floor area (including a total of 9,000 square feet ancillary office uses).

The following are the key objectives of the study:

- Documentation of existing 2021 traffic conditions in the vicinity of the site.
- Determination of Project Opening Year (2022) traffic conditions and level of service (LOS) without and with the project.
- Determination of project related impacts to the circulation system, and
- Identification of mitigation measures to reduce any significant impacts to a level of insignificance.

The study included evaluation of the following six key signalized intersections in the general vicinity of the site:

- Bloomfield Avenue and Florence Avenue (Signalized)
- Bloomfield Avenue and Lakeland Road (Signalized)
- Bloomfield Avenue and Imperial Highway (Signalized)
- Shoemaker Avenue and Florence Avenue (Signalized)
- Shoemaker Avenue and Lakeland Road (Signalized)
- Shoemaker Avenue and Imperial Highway (Signalized)

The proposed Greenstone Warehouse project is estimated to generate approximately 333 net one-way passenger car equivalent (PCE) trips per average weekday (167 inbound and 166 outbound). The average weekday net new peak hour PCE trips will be approximately 33 PCE trips during the AM peak hour (25 inbound and 8 outbound), and 36 PCE trips during the PM peak hour (10 inbound and 26 outbound).

Based on the results of the traffic impact analysis, the proposed Greenstone Warehouse project would not significantly impact any of the key intersections analyzed in the surrounding roadway system. The addition of project traffic will not increase the volume to capacity (V/C) ratios at these intersections beyond the significance thresholds of project related impacts as defined in the City's Traffic Study Guidelines. Therefore, no off-site mitigation measures would be necessary for the development of this project.

The project will provide two full-access driveways along the west side of Greenstone Avenue. Traffic volume accessing the driveways by making left turns is expected to be low and is not expected to cause any significant on-street delays or long queues. Adequate sight distance is available from the driveways along both directions on Greenstone Avenue.

A total of 205 parking space will be provided on-site for the proposed Greenstone Warehouse project in accordance with the parking code requirements of the City of Santa Fe Springs. The project's parking supply will adequately satisfy the City's parking requirement of 192 spaces per code.

TRAFFIC IMPACT STUDY WAREHOUSE DEVEOPMENT 11401 GREENSTONE AVENUE

SANTA FE SPRINGS, CALIFORNIA

INTRODUCTION

The purpose of this traffic impact analysis is to evaluate the impacts on traffic circulation system due to the proposed operation of Greenstone Warehouse in the City of Santa Fe Springs, California. The proposed project will be located on the west side of Greenstone Avenue between Lakeland Road and Sunshine Avenue. The proposed project consists of construction of a warehouse building with a total floor area of 144,411 square feet, including 9,000 square feet for ancillary office uses.

The following are the key objectives identified for this study:

- Documentation of existing 2021 traffic conditions in the vicinity of the site.
- Determination of Project Opening Year (2022) traffic conditions and level of service (LOS) without and with the project.
- Determination of project related impacts to the circulation system, and
- Identification of mitigation measures to reduce any significant impacts to a level of insignificance.

The report provides data regarding existing operational characteristics of traffic in the general vicinity of the project, as well as an analysis of the proposed project's impacts to these existing and anticipated future traffic conditions. The report identifies and quantifies the impacts at key intersections and attempts to address the most appropriate and reasonable mitigation strategies at any impacted intersections which are identified to be operating at a deficient level of service.

This report investigates existing 2021 and anticipated future 2022 opening year traffic operating conditions. The study has been prepared per City of Santa Fe Springs's latest Traffic Impact Study Guidelines.

REPORT METHODOLOGY

STUDY APPROACH

This report approaches the task of identifying and quantifying the anticipated impacts to the circulation system with a structured, "building block" methodology. The first step is to inventory and quantify existing conditions. Upon this foundation of fact, a travel forecast model, based on physical and operational characteristics of road network and manual observation of peak hour traffic movements, is structured for the entire project area and calibrated manually, by adjusting any traffic flow inconsistency, to produce reliable output, verifiable with the existing data. With the project traffic calculated and distributed onto the study area, at the anticipated opening year of the project in 2022, the travel forecast methodology is utilized to assess the project's traffic impacts at that time. The methodology utilizes a growth factor for traffic based upon regional guidelines, any other projects in the project vicinity, as well as the traffic anticipated to be introduced from the proposed project to produce the travel forecast and level-of-service data for the future target year.

The trip generation estimate is based on the 10th edition of Institute of Transportation Engineers (ITE)'s "Trip Generation" manual. Research and interviews have been conducted with local and regional agencies in order to identify and characterize the most probable trip distribution patterns within the study area.

Project impacts are identified for the future year 2022 conditions. At those intersections operating deficiently (e.g., at a level worse than LOS D) and significantly impacted by the proposed project, a mitigation measure is identified and applied, and a before-and-after mitigation analysis conducted.

LEVEL OF SERVICE CRITERIA

Roadway operations and the relationship between capacity and traffic volumes are generally expressed in terms of levels of service (LOS). Levels of service are defined as LOS A through F. These levels recognize that, while an absolute limit exists as to the amount of traffic traveling through a given intersection (the absolute capacity), the conditions that motorists experience deteriorate rapidly as traffic approaches the absolute capacity. Under such conditions, congestion as well as delay is experienced. There is generally instability in the traffic flow, which means that relatively small incidents (e.g., momentary engine stall) can cause considerable fluctuations in speeds and delays. This near-capacity situation is labeled LOS E. Beyond LOS E, capacity is exceeded, and arriving traffic will exceed the ability of the intersection to accommodate it. An upstream queue will form and continue to expand in length until the demand volume reduces.

A complete description of the meaning of level of service can be found in the Highway Research Board's Special Report 209 titled *Highway Capacity Manual*. The manual establishes the definitions for levels of service A through F. Brief descriptions of the six levels of service, as extracted from the manual, are listed in **Table 1**. The thresholds of level of service for signalized and unsignalized intersections are shown in **Table 2**.

LOS D is the minimum threshold at all key intersections in the urbanized areas. The traffic study guidelines require that traffic mitigation measures be identified to provide for operations at the minimum threshold levels.

For the study area intersections, the Intersection Capacity Utilization (ICU) procedure has been utilized to determine intersection levels of service. Levels of service are presented for the entire intersection, consistent with the local and regional agency policies.

While the level of service concept and analysis methodology provides an indication of the performance of the entire intersection, the single letter grade A through F cannot describe specific operational deficiencies at intersections. Progression, queue formation, and left turn storage are examples of the operational issues that affect the performance of an intersection, but do not factor into the strict calculation of level of service. However, it provides a volume to capacity (V/C) ratio that is more meaningful when identifying a project's impact and developing mitigation measures. Therefore, this V/C ratio information is included in describing an intersection's operational performance under various scenarios.

TABLE 1 LEVEL OF SERVICE DEFINITIONS

LOS	Description
А	No approach phase is fully utilized by traffic and no vehicle waits longer than one red indication. Typically, the approach appears quite open, turns are made easily and nearly all drivers find freedom of operation.
В	This service level represents stable operation, where an occasional approach phase is fully utilized and a substantial number are approaching full use. Many drivers begin to feel restricted within platoons of vehicles.
С	This level still represents stable operating conditions. Occasionally, drivers have to wait through more than one red signal indication, and backups may develop behind turning vehicles. Most drivers feel somewhat restricted.
D	This level encompasses a zone of increasing restriction approaching instability at the intersection. Delays to approaching vehicles may be substantial during short peaks within the peak period; however, enough cycles with lower demand occur to permit periodic clearance of developing queues, thus preventing excessive backups.
E	Capacity occurs at the upper end of this service level. It represents the most vehicles that any particular intersection can accommodate. Full utilization of every signal cycle is seldom attained no matter how great the demand.
F	This level describes forced flow operations at low speeds, where volumes exceed capacity. These conditions usually result from queues of vehicles backing up from restriction downstream. Speeds are reduced substantially and stoppages may occur for short or long periods of time due to congestion. In the extreme case, both speed and volume can drop to zero.

TABLE 2 LEVEL OF SERVICE CRITERIA

Level of Service	Two-Way or All-Way Stop Controlled Intersection Average Delay per Vehicle (sec)	Signalized Intersection Average Delay per Vehicle (sec)	Volume to Capacity (V/C) Ratio
А	0 - 10	< or = 10	0 – 0.60
В	> 10 - 15	> 10 - 20	> 0.60 - 0.70
С	> 15 - 25	> 20 - 35	> 0.70 – 0.80
D	> 25 - 35	> 35 - 55	> 0.80 - 0.90
E	> 35 - 50	> 55 - 80	> 0.90 – 1.00
F	> 50	> 80 or a V/C ratio equal to or greater than 1.0	> 1.00

EXISTING ROADWAY SYSTEM AND TRAFFIC VOLUMES

EXISTING CIRCULATION NETWORK

In order to assess future operating conditions both with and without the proposed project, existing traffic conditions within the study area were evaluated.

Figure 1, Vicinity Map, illustrates the existing circulation network within the study area as well as the location of the proposed project.

Figure 2 shows an aerial view of the circulation network. Major north-south regional access to the site is provided by Bloomfield Avenue and Shoemaker Avenue. Major east-west regional access is provided by Florence Avenue, Lakeland Road and Imperial Highway.

FIGURE 1 VICINITY MAP

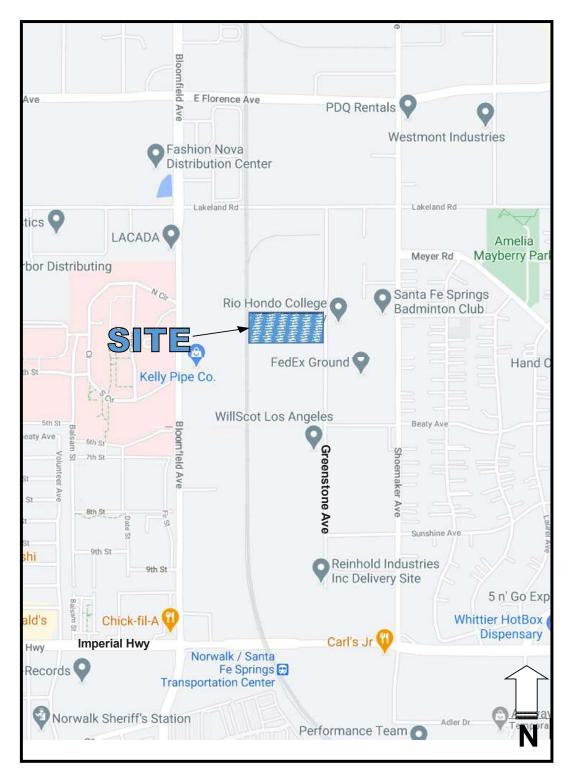


FIGURE 2 AERIAL VIEW OF CIRCULAR NETWORK



The project will provide two full-access driveways on Greenstone Avenue for both cars and trucks. The following paragraphs provide a brief description of the existing roadways which comprise the circulation network of the study area, providing the majority of both regional and local access to the project.

BLOOMFIELD AVENUE. Bloomfield Avenue is a major north-south major arterial highway with two travel lanes in each direction. The street is approximately 84 to 90 feet wide and posted with a speed limit of 40 miles per hour. Directional travels are separated by either raised median or a 2-way turn lane along the center of the street. The intersections of Bloomfield Avenue at Florence Avenue, Lakeland Road and Imperial Highway are signalized. Parking is not permitted along the sides of the street. The average daily volume on Bloomfield Avenue is approximately 17,610 vehicles per day (assuming PM peak hour volume counted on Bloomfield Avenue represents approximately 10% of its average daily traffic volume).

<u>GREENSTONE AVENUE</u>. Greenstone Avenue is a north-south local street with one travel lane in each direction. The street is approximately 64 feet wide and posted with a speed limit of 35 miles per hour. Directional travels are separated by a yellow line along the center of the street. Parking is permitted along the sides of the street.

SHOEMAKER AVENUE. Shoemaker Avenue is a north-south secondary arterial highway per the City's Circulation Element of General Plan with two travel lanes in each direction. The street is approximately 84 feet wide and posted with a speed limit of 45 miles per hour in the vicinity of the project site. Directional travels are separated by a yellow line along the center of the street. The intersections of Shoemaker Avenue at Florence Avenue, Lakeland Road and Imperial Highway are signalized. Parking is permitted along the sides of the street. The average daily volume on Shoemaker Avenue is approximately 11,460 vehicles per day (assuming PM peak hour volume counted on Shoemaker Avenue represents approximately 10% of its average daily traffic volume).

<u>FLORENCE AVENUE.</u> Florence Avenue is a major east-west arterial street with two travel lanes in each direction plus left turn lanes at major intersections. Directional travel is separated by raised median islands along the center. The street is approximately 80 feet wide and posted with a speed limit of 40 miles per hour. Parking is not permitted along the sides of the street. The average daily volume on Florence Avenue is approximately 23,830 vehicles per day (assuming PM peak hour volume counted on Florence Avenue represents approximately 10% of its average daily traffic volume).

LAKELAND ROAD. Lakeland Road is a north-south secondary arterial highway with one travel lane in each direction. Directional travel is separated by a 2-way turn lane along the center of the street. The street is approximately 64 feet wide and posted with a speed limit of 40 miles per hour. Parking is partially permitted along the sides of the street. The average daily volume on Lakeland Road is approximately 7,000 vehicles per day (assuming PM peak hour volume counted on Lakeland Road represents approximately 10% of its average daily traffic volume).

IMPERIAL HIGHWAY. Imperial Highway is a major east-west arterial street with three travel lanes in each direction plus turn lanes at major intersections. Directional travel is separated by raised median islands along the center. The street is approximately 84 feet wide and posted with a speed limit of 45 miles per hour. Parking is not permitted along the sides of the street. The average daily volume on Imperial Highway is approximately 26,860 vehicles per day (assuming PM peak hour volume counted on Imperial Highway represents approximately 10% of its average daily traffic volume).

EXISTING TRAFFIC VOLUMES

For the purpose of evaluating existing operating conditions as well as future operating conditions with and without the proposed project, the study area was carefully selected in accordance with local traffic study guidelines. Manual turning movement counts for the selected intersections were collected in the field for the morning and evening peak periods during the month of April 2021. The intersections were counted during the peak hours of 7:00 to 9:00 AM and 4:00 to 6:00 PM on a typical weekday (Tuesday, Wednesday or Thursday) in a non-holiday week. It was determined that the following six (6) key signalized intersections would be analyzed in the study:

- Bloomfield Avenue and Florence Avenue (Signalized)
- Bloomfield Avenue and Lakeland Road (Signalized)
- Bloomfield Avenue and Imperial Highway (Signalized)
- Shoemaker Avenue and Florence Avenue (Signalized)
- Shoemaker Avenue and Lakeland Road (Signalized)
- Shoemaker Avenue and Imperial Highway (Signalized)

Existing lane configurations at the key intersections are shown in Figure 3.

Existing turning movement counts for AM and PM peak hour conditions are shown in **Figure 4.** Detailed turning movement counts are included in the Technical Appendix of this report.

EXISTING 2021 TRAFFIC CONDITIONS

Year 2021 existing traffic conditions were evaluated using the Intersection Capacity Utilization (ICU) method of level of service (LOS) analysis for signalized intersections. **Table 3** presents existing condition intersection level of service (LOS) analysis summary.

Detailed calculations relating to the study intersections are included in the Technical Appendix of this report.

Based on the results of this analysis, all 6 of the 6 study intersections are operating at an acceptable level of service (i.e., LOS D or better) during the AM and PM peak hours, as shown in **Table 3**.

FIGURE 3
EXISTING LANE CONFIGURATION AT KEY INTERSECTIONS

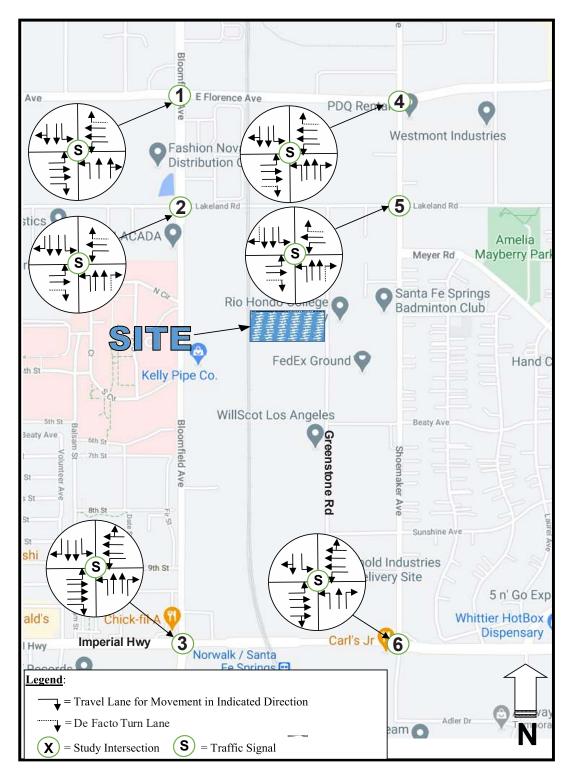


FIGURE 4
EXISTING 2021 PEAK HOUR TRIPS AT KEY INTERSECTIONS

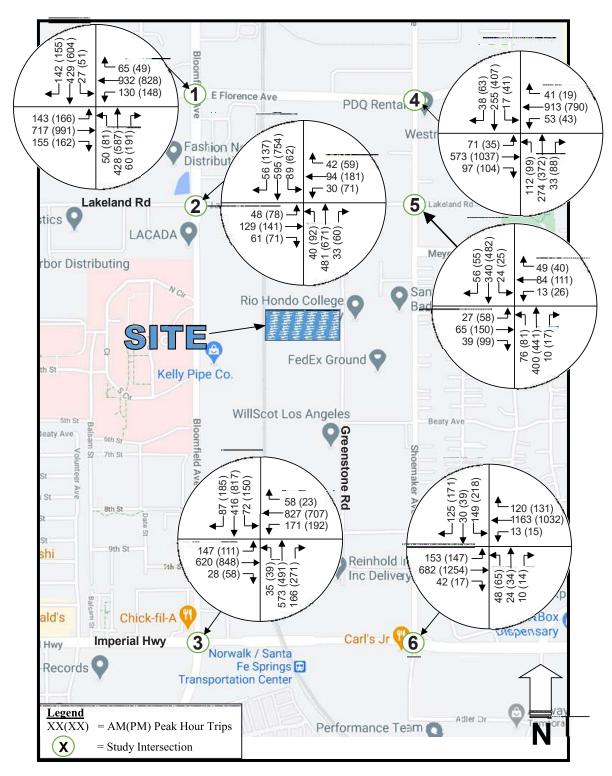


TABLE 3
EXISTING (2021) LEVEL OF SERVICE SUMMARY

#	Interception	Control	Peak	Existing (2021) Conditions	
#	intersection	Intersection Type	Hour	LOS	V/C Ratio
1	Bloomfield Ave &	Cianal	AM	В	0.690
1	Florence Ave	Signal	PM	С	0.790
2	Bloomfield Ave &	Signal	AM	Α	0.410
2	Lakeland Rd		PM	Α	0.555
3	Bloomfield Ave &	Signal	AM	Α	0.600
3	Imperial Hwy		PM	В	0.676
1	Shoemaker Ave &	Signal	AM	Α	0.591
4	Florence Ave	Signal	PM	В	0.660
5	Shoemaker Ave &	Signal	AM	Α	0.323
Э	Lakeland Rd	Signal	PM	Α	0.411
Shoemaker Ave &	Signal	AM	Α	0.590	
6	Imperial Hwy	Signal	PM	В	0.606

OPENING YEAR 2022 PRE-PROJECT CONDITIONS

A 1.0 percent per year annual traffic growth rate was applied to existing traffic volumes to create a 2020 base condition (i.e., a factor of 1.02 was applied to 2021 volumes to obtain 2022 base traffic volumes due to ambient growth). This annual traffic growth rate accounts for the population growth within the study area and traffic from any other projects to be developed in the study area.

Per City's records, there are six (6) other related projects located within the one and onehalf mile radius of the project that will contribute to cumulative traffic volumes with the development of this project.

The locations of these related projects are shown in **Figure 5**.

Trip generation estimates for these related projects were developed by using nationally recognized and recommended rates contained in "Trip Generation" manual, 10th edition, published by the Institute of Transportation Engineers (ITE). ITE also provides information on percentage of truck traffic associated with warehouse/storage land use. For warehouse uses, vehicle trips were calculated in terms of passenger car equivalents (PCE) by using vehicle mix percentages provided for warehouse uses in the City of Fontana's "Truck Trip Generation Study", August 2003. A truck trip is generally equivalent to 2 or 3 passenger car trips depending on the type of trucks. Accordingly, a 2.0 factor was applied to the number of 2-axle and 3-axle truck trips and a 3.0 factor was applied to the number of 4+-axle truck trips to estimate passenger car equivalent (PCE) trips generated by the trucks.

Table 4 shows a summary of trip generation estimates for the related projects. It is estimated that the related projects will generate approximately 333 PCE trips per average day (167 inbound and 166 outbound). The average weekday net new peak hour trips will be approximately 33 PCE trips during the AM peak hour (25 inbound and 8 outbound), and 36 PCE trips during the PM peak hour (10 inbound and 26 outbound).

Figure 5 also shows the related projects' locations and trips distributed at the study intersections.

The peak hour traffic volumes from the related projects were added to existing traffic volumes with ambient growth at the study intersections to represent a 2022 pre-project traffic condition for the AM and PM peak hours. **Figure 6** shows future 2022 pre-project traffic volumes at the study intersections.

This pre-project traffic condition was evaluated using the Intersection Capacity Utilization (ICU) method of level of service (LOS) analysis for signalized intersections. The LOS and V/C ratios for the study intersections under 2022 pre-project conditions (without project) are shown in **Table 5**. Detailed calculations relating to the study intersections are included in the Technical Appendix of this report.

FIGURE 5
RELATED PROJECT LOCATIONS AND DISTRIBUTION OF PEAK HOUR TRIPS

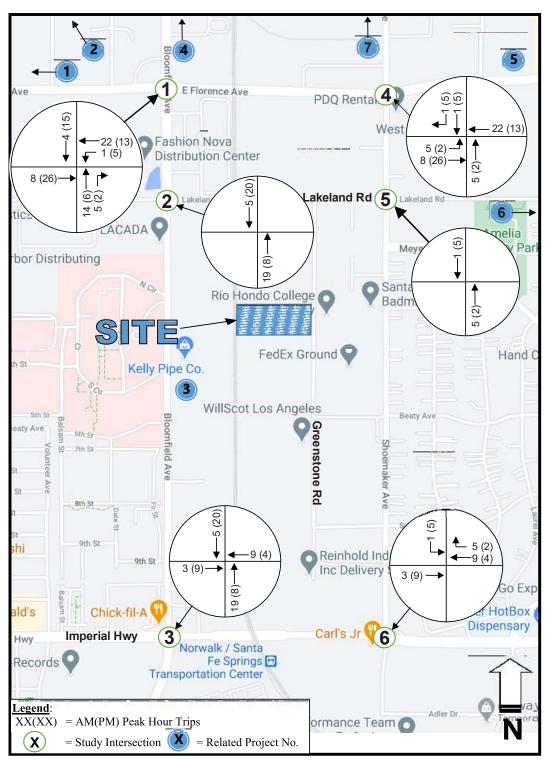


TABLE 4 CUMULATIVE PLANNED PROJECT TRIP GENERATION

Land				Trij	o Gener	ation R	ate				Avera	ge Tra	ffic V	olume	
Use	Size &	Daily	AM	Peak H			Peak H	lour	Daily		Peak I			Peak I	
(ITE Code)	Unit	Total	Total	%IN	%OUT	Total	%IN	%OUT	Total	IN	ОИТ	Total	IN	OUT	Total
Related Pro	oject 1:Am	azon La	st Mile	Facility	@ 118	11 - 11	831 Flo	rence A	ve Indu	ıstrial	287,1	99 sf I	ndustr	ial	
W/Hse (150)	287.20 KSF	1.74	0.17	77%	23%	0.19	27%	73%	500	38	11	49	15	40	55
	Pass	enger C	ar Equi	valent	(PCE) T	rips:			663	50	15	65	19	53	72
Related Pro	oject 2: Bre	eitbumC	peratir	ng L.P. (@ 1240	5 Teleg	raph Ro	d - 302,1	121 sf II	ndustr	ial				
W/Hse (150)	302.12 KSF	1.74	0.17	77%	23%	0.19	27%	73%	526	39	12	51	15	42	57
	Pass	enger C	ar Equi	valent	(PCE) T	rips:	Į.	ļ.	698	52	16	68	20	56	76
Related Pro	oject 3: JSF	Manag	ement,	LLC @	11212	Norwal	lk Blvd -	- 128,89	96 sf Ind	dustria	ıl				
W/Hse (150)	128.896 KSF	1.74	0.17	77%	23%	0.19	27%	73%	224	17	5	22	6	18	24
	Pass	enger C	ar Equi	valent	(PCE) T	rips:			298	22	7	29	8	24	33
Related Pro	oject 4: PPI	F Indust	rial, LLC	C @ SE/	C of Te	legraph	n Rd. &	Bloomf	ield Av	e 17	8,627	sf Ind	ustrial		
W/Hse (150)	178.63 KSF	1.74	0.17	77%	23%	0.19	27%	73%	311	23	7	30	9	25	34
	Pass	enger C	ar Equi	valent	(PCE) T	rips:	ı		413	31	9	40	12	33	45
Related Pro	oject 5: Sor	nic @ 10	0712 La	urel Av	e - 7,82	22 sf Co	mmerc	ial							
Comm (820)	7.82 KSF	37.35	0.94	62%	38%	3.81	48%	52%	292	4	3	7	14	16	30
Related Pro	oject 6: Sto	rm Pro	perties	@ S/W	corner	of Carı	menita	Rd & La	keland	Rd - N	∕Iulti-f	amily	128-u	nits	
T. Home (220)	128 DU	7.32	0.46	23%	77%	0.56	63%	37%	937	14	45	59	45	27	72
Related Pro	ject 7: WI	OI Site @	9951	Greenle	eaf Ave	- 213,9	56 sf Ir	ndustria							
W/Hse (150)	213.96 KSF	1.74	0.17	77%	23%	0.19	27%	73%	372	28	8	36	11	30	41
	Pass	enger C	ar Equi	valent	(PCE) T	rips:			494	37	11	48	15	40	54
		To	otal Trip	os in PC	E				3795	210	106	316	134	248	382
Note:	All rates a Fontana's car equiva and one 4 [Ref: Insti	"Truck alent (Po +-axle t	Trip Ge CE) trips ruck tri	nerations using by p = 3 pa	on Study PCE fac assenge	/", Augu tors, i.e er car tr	ist 2003 e., one 2 ips.	3 and tr 2-axle c	uck trip or 3-axlo	s were	e conv k trip =	erted 2 pas	into p senge	assen	ger

(157) \ / (625) (52) 66 (49) (69) 9 (416) (41) 43 -963 (849) _39 (69 _259 (_17 (132 (154) 1 E Florence Ave 41 (19) PDQ Renta 4 -944 (811) 144 (168) 54 (43) 732(1027) 1 (82) (599) (195) West 157 (164) —57 (138) —606 (782) —90 (63) 77 (37) Fashion N 587 (1073) Distribut 113 (100) 282 (378)-33 (89) 446 66 42 (60) 98 (105) -95 (183) 30 (72) Lakeland Rd 5 Lakeland R 2 tics C 48 (79) 130 (142) 40 (93) 505 (686)-33 (61) LACADA C 62 (72) —57 (56) —344 (492) —24 (25) Mey bor Distributing 49 (40) -85 (112) NCI Sar - 13 (26) Rio Hondo College 27 (59) 66 (152) (82)39 (100) 409 (FedEx Ground Kelly Pipe Co. WillScot Los Angeles 5th St Beaty Ave Greenstone 52 , 187) 5 (845) (152) -126 (173) -30 (39) -151 (225) -88 (1⁶) -425 (-73 (1 59 (23) -844 (718) -126 (134) -1184 (1046) 173 (194) -13 (15) 9th St 148 (112) 155 (148) Reinhold r 629 (865) 35 (39) 598 (504) 168 (274) 9th 692 (1276) Inc Delivery 28 (59) (66) (34) (14) ²42 (17) 24 10 10 ald's Chick-fil-A Carl's Jr (6) Jispensary 3 Imperial Hwy Hwy Norwalk / Santa Fe Springs Records Transportation Center Legend: Adler Dr. $\overline{XX(XX)}$ = AM(PM) Peak Hour Trips Performance Team

FIGURE 6
FUTURE 2020 PRE-PROJECT PEAK HOUR TRIPS

TABLE 5
2022 PRE-PROJECT FUTURE CONDITIONS LEVEL OF SERVICE SUMMARY

#	Intersection	Control	Peak		Project Future ditions
"		Type	Hour	LOS	V/C Ratio
	Bloomfield Ave &	Cianal	AM	В	0.704
1	Florence Ave	Signal	PM	D	0.813
2	Bloomfield Ave &	Cianal	AM	Α	0.415
-	Lakeland Rd	Signal	PM	Α	0.566
3	Bloomfield Ave &	Cianal	AM	В	0.613
3	Imperial Hwy	Signal	PM	В	0.690
4	Shoemaker Ave &	Cianal	AM	В	0.607
4	Florence Ave	Signal	PM	В	0.677
5	Shoemaker Ave &	Cianal	AM	Α	0.326
3	Lakeland Rd	Signal	PM	А	0.416
6	Shoemaker Ave &	Cianal	AM	А	0.598
L	Imperial Hwy	Signal	PM	В	0.612

As the results indicate, all of the 6 study intersections will continue to operate at an acceptable level of service (i.e., LOS D or better) during the AM and PM peak hours.

PROPOSED PROJECT

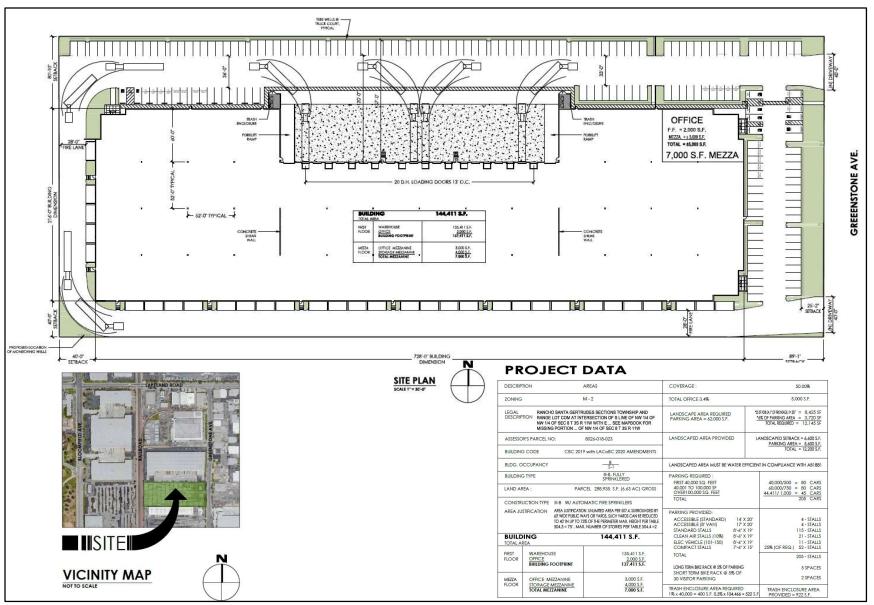
PROJECT DESCRIPTION

The purpose of this traffic impact analysis is to evaluate the impacts on traffic circulation system due to the proposed operation of Greenstone Warehouse in the City of Santa Fe Springs, California. The proposed project will be located on the west side of Greenstone Avenue between Lakeland Road and Sunshine Avenue. The proposed project consists of construction of a warehouse building with a total floor area of 144,411 square feet in gross floor area (including a total of 9,000 square feet ancillary office uses).

Adequate parking spaces will be provided on-site for the proposed Greenstone Warehouse project in accordance with the parking code requirements of the City of Santa Fe Springs. Surface parking will consist of a total of 205 marked parking spaces.

Figure 7 shows the proposed site plan for the project.

FIGURE 7
PROJECT SITE PLAN



PROJECT TRIP GENERATION

In order to accurately assess future traffic conditions with the proposed project, trip generation estimates were developed for the project. Trip generation rates for the project are based on the nationally recognized recommendations contained in "Trip Generation" manual, 10th edition, published by the Institute of Transportation Engineers (ITE). ITE also provides information on percentage of truck traffic associated with warehouse/storage land use. The vehicle-mix percentages provided for heavy warehouse use in the City of Fontana's "Truck Trip Generation Study", August 2003, were used to determine the number of various types of truck trips to be generated. A truck trip is generally equivalent to 2 or 3 passenger car trips depending on the type of trucks. Accordingly, a 2.0 factor was applied to the number of 2-axle and 3-axle truck trips and a 3.0 factor was applied to the number of 4+-axle truck trips to estimate passenger car equivalent (PCE) trips generated by the trucks.

Table 6 shows a summary of trip generation estimates for the project. It is estimated that the project will generate approximately 333 net one-way PCE trips per average day (167 inbound and 166 outbound). The average weekday net new peak hour PCE trips will be approximately 33 trips during the AM peak hour (25 inbound and 8 outbound), and 36 trips during the PM peak hour (10 inbound and 26 outbound).

TRIP DISTRIBUTION AND ASSIGNMENT

Arrival and departure distribution patterns for project-generated traffic were estimated based upon a review of circulation patterns within the study area network and regional traffic generation and attraction characteristics.

Figure 8 depicts the regional trip distribution percentages to and from the site.

Figure 9 depicts project traffic volumes at key circulation locations during the AM and PM peak hours.

TABLE 6 TRIP GENERATION BY GREENSTONE WAREHOUSE

ITE				Trip	Gener	ation R	ate ¹				Avera	ge Tra	ffic V	olume	ĺ
Code/	Size &	Daily	AM	Peak H	lour	PM	Peak H	our	Daily	AM	Peak I	lour	PM	Peak F	lour
Land Use	Unit	Total	Total	%IN	%OUT	Total	%IN	%OUT	Total	IN	OUT	Total	IN	OUT	Total
					Total V	ehicle ¹	Γrip Ge	neratio	n						
W/Hse (150)	144.41 KSF	1.74	0.17	77%	23%	0.19	27%	73%	251	19	6	25	7	20	27
			Vehic	le Mix	and Pa	ssenge	r Car E	quivale	nt (PCE) Trip	s				
Valsiala.				Ve	hicle Tr	ips					PC	E Trip	S		
Vehicle Mix	Trip %	Daily	AM	Peak H	lour	PM	Peak H	our	Daily	AM	Peak I	Hour	PM	Peak H	lour
IVIIX		Total	IN	OUT	Total	IN	OUT	Total	Total	IN	OUT	Total	IN	OUT	Total
Car (PCE=1.0)	79.57%	200	15	4	19	5	16	21	200	15	5	20	6	16	22
2-axle Truck (PCE=2.0)	3.46%	9	1	0	1	1	1	2	17	1	1	2	0	1	1
3-axle Truck (PCE=2.0)	4.64%	11	1	1	2	0	1	1	23	2	0	2	1	2	3
4-axle Truck (PCE=3.0)	12.33%	31	2	1	3	1	2	3	93	7	2	9	3	7	10
		TC	TAL TR	IPS IN	PCE:				333	25	8	33	10	26	36
Note:	All trip r "Trip Ge				•		of Tran	nsporta	tion En	ginee	rs (ITE)'s pul	olicati	on ma	inual

¹ Trip rates for Warehouse (ITE Code 150) from Institute of Transportation Engineers (ITE), "Trip Generation" manual, 10th Edition, 2017

² Vehicle mix percentages for Heavy Warehouse (ITE Code 150) from the City of Fontana, "Truck Trip Generation Study", August 2003

FIGURE 8
PERCENTAGES OF PROJECT RELATED TRIP DISTRIBUTION

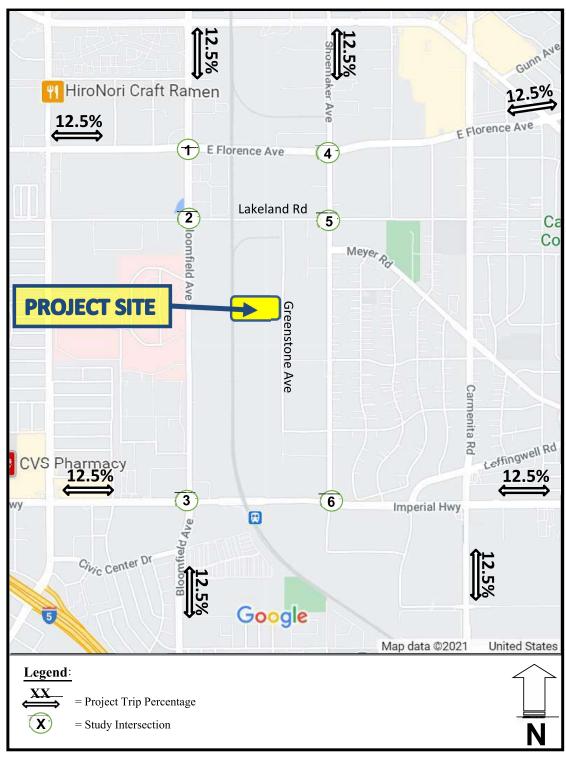
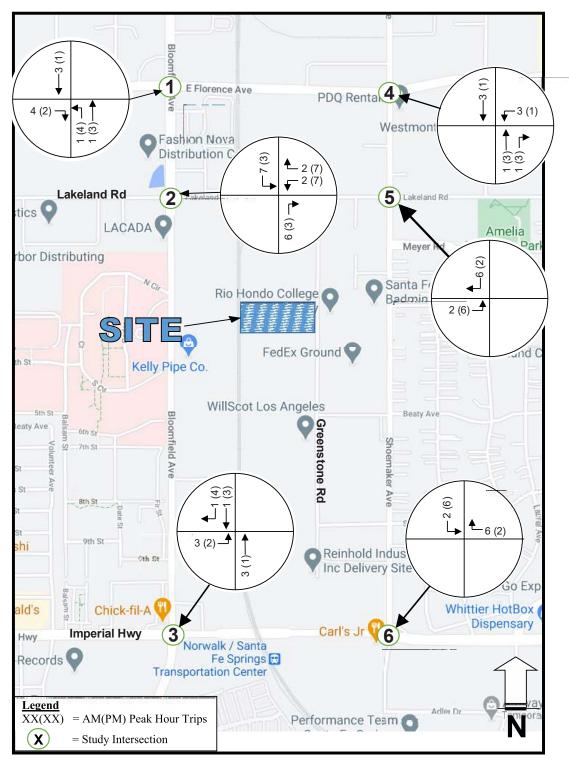


FIGURE 9
DISTRIBUTION OF PROJECT RELATED PEAK HOUR TRIPS



2022 CUMULATIVE CONDITIONS WITH PROJECT TRAFFIC

2022 POST-PROJECT CUMULATIVE TRAFFIC VOLUMES WITH PROJECT

The 2021 cumulative post-project traffic volumes were estimated by adding project related traffic volumes to the 2022 pre-project traffic volumes with 1.0% per year ambient growth and related project traffic. **Figure 10** shows Year 2020 post-project cumulative volumes for AM and PM peak hours.

Year 2022 post-project cumulative (i.e., existing plus ambient traffic plus related project plus project traffic) conditions were evaluated using the Intersection Capacity Utilization (ICU) method of level of service (LOS) analysis for signalized intersections. The LOS and V/C ratios for the study intersections under 2022 post-project cumulative conditions (with project) are summarized in **Table 7**. Detailed calculations relating to the study intersections are included in the Technical Appendix of this report.

The results indicate that, all of the 6 study intersections will continue to operate at an acceptable level of service (LOS) D or better (i.e., within the range of acceptable thresholds of LOS A through D) during the AM and PM peak hours under future cumulative traffic conditions with the project.

3 (157) 3 (626) (52) —39 (69) —262 (417) —17 (41) __143 (___440 (__27 (5 66 (49) -963 (849) 1 - 132 (154) 41 (19) E Florence Ave PDQ Renta 4 944 (811) 144 (168) 732(1027) 57 (44) 2 (86) (602) (195) Westr —57 (138) ←—606 (782) —97 (66) 161 (166) 77 (37) Fashion N 587 (1073) 113 (100) 283 (381) 34 (92) Distribut 44 (67) 98 (105) --95 (183) - 32 (79) Lakeland Rd 5 2 Lakeland Ro 48 (79) tics 💽 130 (142) 40 (93) 505 (686)-39 (64) LACADA G 62 (72) ₹ -63 (58) -344 (492) -24 (25) bor Distributing 49 (40) -85 (112) NCIF San 13 (26) Rio Hondo College Ba 29 (65) 66 (152) 77 (c 409 (447, 10 (17)). 39 (100) FedEx Ground Kelly Pipe Co. WillScot Los Angeles Beaty Ave Greenstone Rd 5 -89 (191) \\
-426 (848) \\
-73 (152) 126 (173) 30 (39) 1153 (231) **←**426 (59 (23) 132 (136) -844 (718) -1184 (1046) 173 (194) -13 (15) 9th St 151 (114) 155 (148) 629 (865) Reinhold Ir 35 (39) 601 (505) 168 (274)

FIGURE 10 **FUTURE 2022 POST-PROJECT CUMULATIVE PEAK HOUR TRIPS**

9th

Chick-fil-A

Imperial Hwy

XX(XX) = AM(PM) Peak Hour Trips

28 (59) -

3

₹

Norwalk / Santa

Transportation Center

Fe Springs 🖽

692 (1276)

42 (17)

(66) (34) (14)

4 4 9 9

Box

Dispensary

Inc Delivery

Carl's Jr

Performance Team

ald's

Hwy

Records C

Legend:

TABLE 7
2022 FUTURE WITH PROJECT CONDITIONS LEVEL OF SERVICE SUMMARY

#	Intersection	Control	Peak		with Project litions
		Type	Hour	LOS	V/C Ratio
1	Bloomfield Ave &	Cianal	AM	С	0.706
	Florence Ave	Signal	PM	D	0.816
2	Bloomfield Ave &	Cianal	AM	Α	0.420
_	Lakeland Rd	Signal	PM	Α	0.566
3	Bloomfield Ave &	Cianal	AM	В	0.616
	Imperial Hwy	Signal	PM	В	0.691
4	Shoemaker Ave &	Signal	AM	В	0.608
4	Florence Ave	Signal	PM	В	0.677
5	Shoemaker Ave &	Cianal	AM	Α	0.327
	Lakeland Rd	Signal	PM	Α	0.416
6	Shoemaker Ave &	Signal	AM	Α	0.599
0	Imperial Hwy	Signal	PM	В	0.613

PROJECT IMPACT AND MITIGATION MEAUSURES

As indicated in the previous section, all of the 6 study intersections will continue to operate at an acceptable level of service (LOS) D or better (i.e., within the range of acceptable thresholds of LOS A through D) during the AM and PM peak hours under future cumulative traffic conditions with the project.

The project's off-site traffic impact would not be considered significant at any of these intersections based on volume to capacity ratio and level of service expected after the project. A project's impact on the circulation system is determined by comparing the level of service (LOS) and V/C ratios at key intersections under the future pre-project conditions and future post-project conditions. A LOS level D or better is acceptable for urban area intersections. A level of service worse than D (i.e., LOS E or F) is considered deficient and unacceptable. A project's traffic impact is determined to be significant if the increase in V/C ratio is 0.04 or more at LOS C, or 0.02 or more at LOS D, or 0.01 or more at LOS E and F.

The LOS, V/C ratio (or ICU) for the study intersections under 2022 cumulative conditions (with project as well as without project) are summarized in **Table 8** to compare Project's traffic impact at key intersections.

TABLE 8
2022 FUTURE WITH AND WITHOUT PROJECT LEVEL OF SERVICE SUMMARY

#	Intersection	Control	Peak Hour	Fι	re-Project uture ditions	P	uture with roject	Increase
		Туре	Hour	LOS	V/C Ratio	LOS	V/C Ratio	in V/C by Project
1	Bloomfield Ave &	Signal	AM	В	0.704	С	0.706	0.002
	Florence Ave	Signal	PM	D	0.813	D	0.816	0.003
2	Bloomfield Ave &	Signal	AM	Α	0.415	Α	0.420	0.005
	Lakeland Rd	Signal	PM	Α	0.566	Α	0.566	0.000
3	Bloomfield Ave &	Signal	AM	В	0.613	В	0.616	0.003
	Imperial Hwy	Signal	PM	В	0.690	В	0.691	0.001
4	Shoemaker Ave &	Signal	AM	В	0.607	В	0.608	0.001
4	Florence Ave	Signal	PM	В	0.677	В	0.677	0.000
5	Shoemaker Ave &	Cianal	AM	Α	0.326	Α	0.327	0.001
3	Lakeland Rd	Signal	PM	Α	0.416	Α	0.416	0.000
6	Shoemaker Ave &	Cianal	AM	Α	0.598	Α	0.599	0.001
Ь	Imperial Hwy	Signal	PM	В	0.612	В	0.613	0.001

As the above results indicate, the increases in V/C ratio by project traffic would not exceed the significance thresholds of project-related impacts. Therefore, the project is not expected to significantly impact traffic conditions at any of the key intersections in the vicinity.

Since the project's traffic impacts would not be significant at any of the off-site intersections, no off-site mitigation measures would be necessary for the development of this project.

SITE ACCESS ANALYSIS

The project will provide two full-access driveways along the east side of Greenstone Avenue. A maximum of 19 vehicles (passenger car equivalent) will enter the site during the peak hour through the driveways on Greenstone Avenue from the north by making a right-turn movement. A maximum of 20 vehicles (passenger car equivalent) will exit the site during the peak hour through the driveways to travel north by making a left-turn movement. This low volume of traffic is not expected to cause any significant on-street delays or long queues.

Adequate sight distance is available from the driveways along both directions on Greenstone Avenue.

PARKING DEMAND ANALYSIS

Adequate parking spaces will be provided on-site for the proposed Greenstone Warehouse project in accordance with the parking code requirements of the City of Santa Fe Springs.

The City's parking code requires 1 parking space per 500 square feet of warehouse facilities up to 20,000 square feet of floor area, 1 space per 750 square feet of warehouse facilities for 20,000 - 100,000 square feet of floor area, and 1 parking space per 1,000 square feet for the floor area beyond 100,000 square feet. For office uses, the code requires 1 parking space per 250 square feet; however, it applies only when office square feet exceed 15% of the total warehouse square feet. Therefore, the total parking requirement for the project will be 192 parking spaces [i.e., 20,000 / 500 + (100,000 - 20,000) / 750 + (144,411 - 100,000) / 1,000 = 40 + 107 + 45 = 192]. In addition, for trailer parking, the City requires 1 space (12'x53') per 4 dock doors. Therefore, for the buildings' 16 dock doors, 4 additional spaces (12'x53') will be required for trailer parking.

The project's site plan shows that surface parking will consist of a total of 205 marked parking spaces to be provided in the rear sides of the warehouse building, in addition to four (4) 12'x53' trailer parking spaces. Therefore, the project's parking requirement will be adequately satisfied.

CONCLUSION

Based on the results of the traffic impact analysis, the proposed Greenstone Warehouse project would not significantly impact any of the key intersections analyzed in the surrounding roadway system. The addition of project traffic will not increase the volume to capacity (V/C) ratios at these intersections beyond the significance thresholds of project related impacts as defined in the City's Traffic Study Guidelines. Therefore, no off-site mitigation measures would be necessary for the development of this project.

The project will provide a full-access driveway along the east side of Greenstone Avenue. Traffic volume accessing the driveways by making left turns is expected to be low and is not expected to cause any significant on-street delays or long queues. Adequate sight distance is available from the driveways along both direction on Greenstone Avenue.

A total of 205 parking space, including a total of four (4) 12'x53' trailer parking spaces, will be provided on-site for the proposed Greenstone Warehouse project in accordance with the parking code requirements of the City of Santa Fe Springs. The project's parking supply will adequately satisfy the City's parking requirement of 192 spaces per code.

APPENDIX A TRAFFIC COUNTS

File Name : Bloomfield_Florence Site Code : 00000000

Site Code : 00000000 Start Date : 4/6/2021

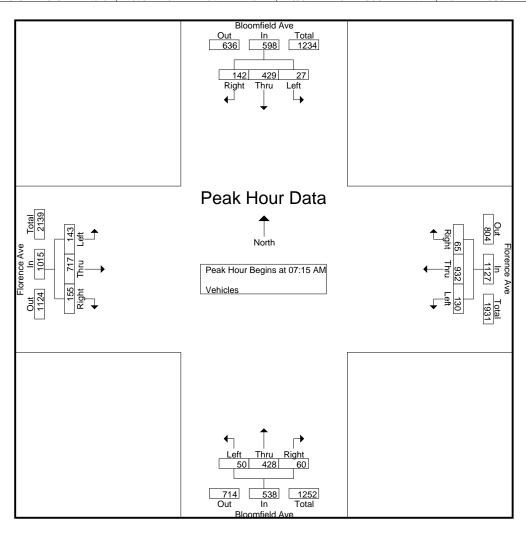
Page No : 1

						Printea- v							
	Bloom	mfield Ave	,		rence Ave			mfield Ave	:	Flor	rence Ave		
	Sou	thbound		We	estbound		No	rthbound		Ea	stbound		
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:00 AM	10	81	17	27	191	4	11	76	9	26	155	56	663
07:15 AM	9	101	30	34	227	9	12	106	13	34	178	45	798
07:30 AM	9	90	36	34	246	24	12	89	15	35	185	36	811
07:45 AM	2	132	42	25	232	16	14	143	16	38	191	44	895
Total	30	404	125	120	896	53	49	414	53	133	709	181	3167
08:00 AM	7	106	34	37	227	16	12	90	16	36	163	30	774
08:15 AM	12	93	29	23	185	7	19	100	14	33	155	28	698
08:30 AM	10	91	37	22	199	8	4	81	29	22	170	23	696
08:45 AM	10	112	26	17	221	5	25	116	22	26	151	20	751
Total	39	402	126	99	832	36	60	387	81	117	639	101	2919
04:00 PM	12	153	36	16	220	7	12	136	35	40	215	23	905
04:15 PM	11	141	43	12	201	10	21	124	29	48	239	40	919
04:30 PM	18	154	32	47	252	16	21	147	49	45	232	66	1079
04:45 PM	7	140	30	39	166	10	30	145	64	42	253	54	980
Total	48	588	141	114	839	43	84	552	177	175	939	183	3883
,													
05:00 PM	16	169	42	37	215	12	13	153	41	43	236	24	1001
05:15 PM	10	141	51	25	195	11	17	142	37	36	270	18	953
05:30 PM	5	111	31	35	203	9	14	112	36	35	228	18	837
05:45 PM	7	103	43	15	167	12	14	132	34	48	276	18	869
Total	38	524	167	112	780	44	58	539	148	162	1010	78	3660
												1	
Grand Total	155	1918	559	445	3347	176	251	1892	459	587	3297	543	13629
Apprch %	5.9	72.9	21.2	11.2	84.3	4.4	9.6	72.7	17.6	13.3	74.5	12.3	
Total %	1.1	14.1	4.1	3.3	24.6	1.3	1.8	13.9	3.4	4.3	24.2	4	

File Name: Bloomfield_Florence

Site Code : 00000000 Start Date : 4/6/2021

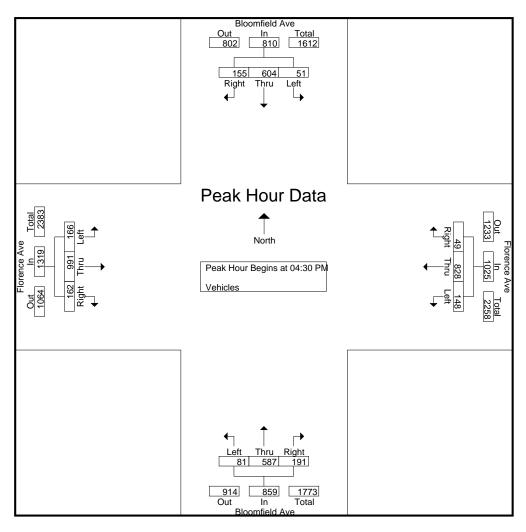
		Bloomfi Southl		;			ce Ave				ield Ave				ce Ave		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (07:00 AN	√ to 08:4	45 AM - Pe	ak 1 of 1												
Peak Hour for En	tire Inters	ection B	egins at	07:15 AM													
07:15 AM	9	101	30	140	34	227	9	270	12	106	13	131	34	178	45	257	798
07:30 AM	9	90	36	135	34	246	24	304	12	89	15	116	35	185	36	256	811
07:45 AM	2	132	42	176	25	232	16	273	14	143	16	173	38	191	44	273	895
08:00 AM	7	106	34	147	37	227	16	280	12	90	16	118	36	163	30	229	774
Total Volume	27	429	142	598	130	932	65	1127	50	428	60	538	143	717	155	1015	3278
% App. Total	4.5	71.7	23.7		11.5	82.7	5.8		9.3	79.6	11.2		14.1	70.6	15.3		
PHF	.750	.813	.845	.849	.878	.947	.677	.927	.893	.748	.938	.777	.941	.938	.861	.929	.916



File Name: Bloomfield_Florence

Site Code : 00000000 Start Date : 4/6/2021

		Bloomfi South	eld Ave bound				ce Ave				ield Ave bound				nce Ave		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (04:00 PM	1 to 05:4	5 PM - Pea	k 1 of 1		_								_		
Peak Hour for En	tire Inters	ection B	egins at	04:30 PM													
04:30 PM	18	154	32	204	47	252	16	315	21	147	49	217	45	232	66	343	1079
04:45 PM	7	140	30	177	39	166	10	215	30	145	64	239	42	253	54	349	980
05:00 PM	16	169	42	227	37	215	12	264	13	153	41	207	43	236	24	303	1001
05:15 PM	10	141	51	202	25	195	11	231	17	142	37	196	36	270	18	324	953
Total Volume	51	604	155	810	148	828	49	1025	81	587	191	859	166	991	162	1319	4013
% App. Total	6.3	74.6	19.1		14.4	80.8	4.8		9.4	68.3	22.2		12.6	75.1	12.3		
PHF	.708	.893	.760	.892	.787	.821	.766	.813	.675	.959	.746	.899	.922	.918	.614	.945	.930



File Name: Bloomfield_Lakeland

Site Code : 00000000 Start Date : 4/6/2021

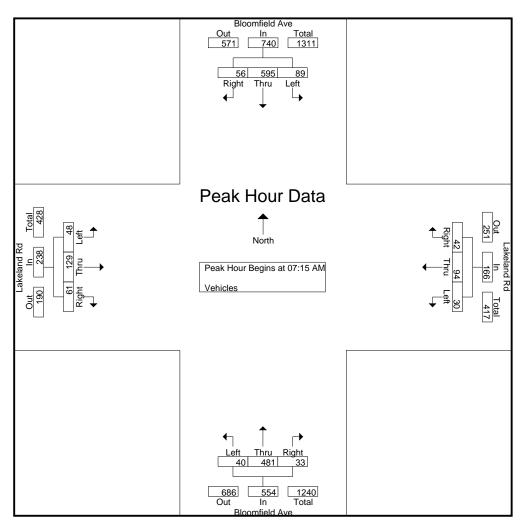
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							Printea- y							
		Bloor	mfield Ave	:	Lak	celand Rd		Bloo	mfield Ave	,	Lak	keland Rd		
		Sou	thbound		We	estbound		No	rthbound		Ea	stbound		
	Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
	07:00 AM	22	120	23	9	25	4	12	91	11	10	27	13	367
	07:15 AM	26	135	19	8	22	7	21	103	5	16	38	26	426
	07:30 AM	25	148	12	2	19	14	4	110	8	8	32	8	390
	07:45 AM	21	159	13	13	36	12	7	150	8	14	40	21	494
	Total	94	562	67	32	102	37	44	454	32	48	137	68	1677
	08:00 AM	17	153	12	7	17	9	8	118	12	10	19	6	388
	08:15 AM	16	120	16	8	31	17	6	99	9	11	30	11	374
	08:30 AM	13	96	9	8	7	15	13	103	2	10	31	6	313
_	08:45 AM	20	110	13	7	47	28	6	110	9	7	23	10	390
	Total	66	479	50	30	102	69	33	430	32	38	103	33	1465
	4													
	04:00 PM	12	146	17	9	42	13	22	122	15	17	39	12	466
	04:15 PM	13	124	26	16	49	9	14	159	9	5	30	10	464
	04:30 PM	13	213	52	27	52	19	29	174	24	32	31	15	681
_	04:45 PM	23	176	48	19	30	22	29	156	10	28	42	32	615
	Total	61	659	143	71	173	63	94	611	58	82	142	69	2226
	1													
	05:00 PM	14	192	20	12	50	6	19	187	12	13	37	13	575
	05:15 PM	12	173	17	13	49	12	15	154	14	5	31	11	506
	05:30 PM	16	151	9	17	49	10	18	151	10	9	30	10	480
_	05:45 PM	9	134	15	7	41	10	11	137	17	13	27	3	424
	Total	51	650	61	49	189	38	63	629	53	40	125	37	1985
	4												1	
	Grand Total	272	2350	321	182	566	207	234	2124	175	208	507	207	7353
	Apprch %	9.2	79.9	10.9	19.1	59.3	21.7	9.2	83.9	6.9	22.6	55	22.5	
	Total %	3.7	32	4.4	2.5	7.7	2.8	3.2	28.9	2.4	2.8	6.9	2.8	

File Name: Bloomfield_Lakeland

Site Code : 00000000 Start Date : 4/6/2021

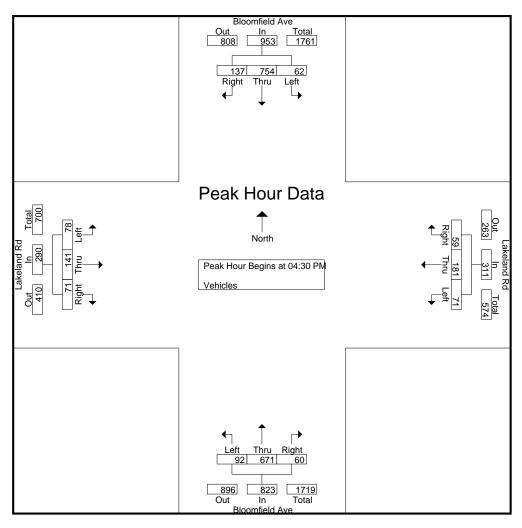
		Bloomfi Southl		;			and Rd bound				ield Ave bound				and Rd bound		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (07:00 AN	A to 08:4	45 AM - Pe	ak 1 of 1												
Peak Hour for En	tire Inters	ection B	egins at	07:15 AM													
07:15 AM	26	135	19	180	8	22	7	37	21	103	5	129	16	38	26	80	426
07:30 AM	25	148	12	185	2	19	14	35	4	110	8	122	8	32	8	48	390
07:45 AM	21	159	13	193	13	36	12	61	7	150	8	165	14	40	21	75	494
08:00 AM	17	153	12	182	7	17	9	33	8	118	12	138	10	19	6	35	388
Total Volume	89	595	56	740	30	94	42	166	40	481	33	554	48	129	61	238	1698
% App. Total	12	80.4	7.6		18.1	56.6	25.3		7.2	86.8	6		20.2	54.2	25.6		
PHF	.856	.936	.737	.959	.577	.653	.750	.680	.476	.802	.688	.839	.750	.806	.587	.744	.859



File Name: Bloomfield_Lakeland

Site Code : 00000000 Start Date : 4/6/2021

]	Bloomfi Southl		:			and Rd bound				ield Ave bound				and Rd bound		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (04:00 PM	1 to 05:4	5 PM - Pea	k 1 of 1												
Peak Hour for En	tire Inters	ection B	egins at	04:30 PM													
04:30 PM	13	213	52	278	27	52	19	98	29	174	24	227	32	31	15	78	681
04:45 PM	23	176	48	247	19	30	22	71	29	156	10	195	28	42	32	102	615
05:00 PM	14	192	20	226	12	50	6	68	19	187	12	218	13	37	13	63	575
05:15 PM	12	173	17	202	13	49	12	74	15	154	14	183	5	31	11	47	506
Total Volume	62	754	137	953	71	181	59	311	92	671	60	823	78	141	71	290	2377
% App. Total	6.5	79.1	14.4		22.8	58.2	19		11.2	81.5	7.3		26.9	48.6	24.5		
PHF	.674	.885	.659	.857	.657	.870	.670	.793	.793	.897	.625	.906	.609	.839	.555	.711	.873



File Name : Bloomfield_Imperial Site Code : 00000000

Start Date : 4/6/2021

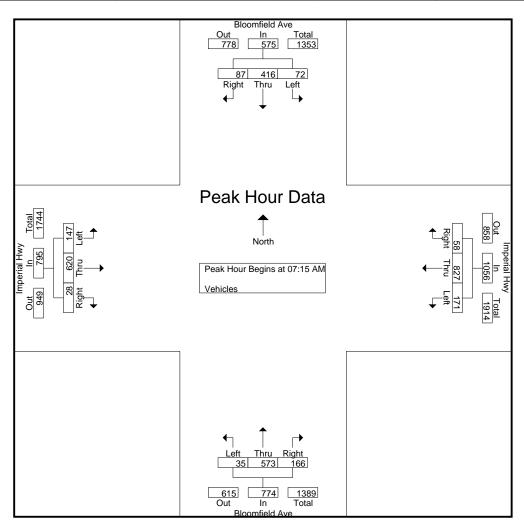
Page No : 1

_	1						Printea- v							
		Bloor	nfield Ave	:		erial Hwy			mfield Ave	•	Imp	perial Hwy		
L		Sou	thbound		W	estbound		No	rthbound			stbound		
	Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
	07:00 AM	13	73	27	34	218	15	12	128	28	26	128	5	707
	07:15 AM	18	103	22	36	219	11	2	123	38	38	144	5	759
	07:30 AM	12	102	24	54	218	14	11	137	41	43	148	11	815
_	07:45 AM	22	114	19	43	201	17	11	189	44	40	155	7	862
	Total	65	392	92	167	856	57	36	577	151	147	575	28	3143
	08:00 AM	20	97	22	38	189	16	11	124	43	26	173	5	764
	08:15 AM	14	93	23	38	168	18	20	97	46	27	137	13	694
	08:30 AM	16	88	21	49	157	8	5	85	51	25	143	2	650
_	08:45 AM	18	91	13	54	151	16	26	69	35	26	119	4	622
	Total	68	369	79	179	665	58	62	375	175	104	572	24	2730
	4													
	04:00 PM	31	193	32	60	173	13	4	79	46	29	233	7	900
	04:15 PM	32	152	39	42	189	11	10	102	73	24	205	5	884
	04:30 PM	38	228	51	50	193	5	13	117	64	33	211	14	1017
_	04:45 PM	32	179	55	43	161	2	0	141	63	24	216	17	933
	Total	133	752	177	195	716	31	27	439	246	110	865	43	3734
	1													
	05:00 PM	42	232	48	49	176	4	7	107	73	38	233	17	1026
	05:15 PM	38	178	31	50	177	12	19	126	71	16	188	10	916
	05:30 PM	16	191	29	47	185	6	9	105	72	16	269	13	958
_	05:45 PM	40	135	33	50	130	5	23	73	59	30	238	20	836
	Total	136	736	141	196	668	27	58	411	275	100	928	60	3736
	4													
	Grand Total	402	2249	489	737	2905	173	183	1802	847	461	2940	155	13343
	Apprch %	12.8	71.6	15.6	19.3	76.1	4.5	6.5	63.6	29.9	13	82.7	4.4	
	Total %	3	16.9	3.7	5.5	21.8	1.3	1.4	13.5	6.3	3.5	22	1.2	

File Name: Bloomfield_Imperial

Site Code : 00000000 Start Date : 4/6/2021

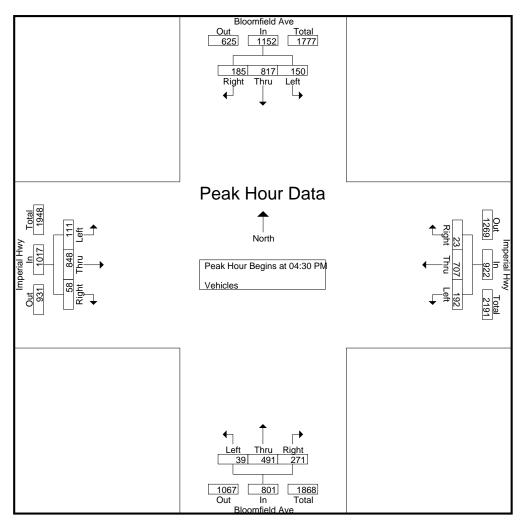
		Bloomfi Southl		;			ial Hwy bound				eld Ave bound				ial Hwy bound		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (07:00 AN	A to 08:4	45 AM - Pe	ak 1 of 1						-				_		
Peak Hour for En	tire Inters	ection B	egins at	07:15 AM													
07:15 AM	18	103	22	143	36	219	11	266	2	123	38	163	38	144	5	187	759
07:30 AM	12	102	24	138	54	218	14	286	11	137	41	189	43	148	11	202	815
07:45 AM	22	114	19	155	43	201	17	261	11	189	44	244	40	155	7	202	862
08:00 AM	20	97	22	139	38	189	16	243	11	124	43	178	26	173	5	204	764
Total Volume	72	416	87	575	171	827	58	1056	35	573	166	774	147	620	28	795	3200
% App. Total	12.5	72.3	15.1		16.2	78.3	5.5		4.5	74	21.4		18.5	78	3.5		
PHF	.818	.912	.906	.927	.792	.944	.853	.923	.795	.758	.943	.793	.855	.896	.636	.974	.928



File Name: Bloomfield_Imperial

Site Code : 00000000 Start Date : 4/6/2021

		Bloomfi Southl		!			ial Hwy bound				ield Ave bound				rial Hwy bound		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analys	sis From (04:00 PM	1 to 05:4	5 PM - Pea	k 1 of 1												
Peak Hour for En	tire Inters	ection B	egins at	04:30 PM													
04:30 PM	38	228	51	317	50	193	5	248	13	117	64	194	33	211	14	258	1017
04:45 PM	32	179	55	266	43	161	2	206	0	141	63	204	24	216	17	257	933
05:00 PM	42	232	48	322	49	176	4	229	7	107	73	187	38	233	17	288	1026
05:15 PM	38	178	31	247	50	177	12	239	19	126	71	216	16	188	10	214	916
Total Volume	150	817	185	1152	192	707	23	922	39	491	271	801	111	848	58	1017	3892
% App. Total	13	70.9	16.1		20.8	76.7	2.5		4.9	61.3	33.8		10.9	83.4	5.7		
PHF	.893	.880	.841	.894	.960	.916	.479	.929	.513	.871	.928	.927	.730	.910	.853	.883	.948



File Name : Shoemaker_Florence Site Code : 00000000

Site Code : 000000000 Start Date : 4/1/2021

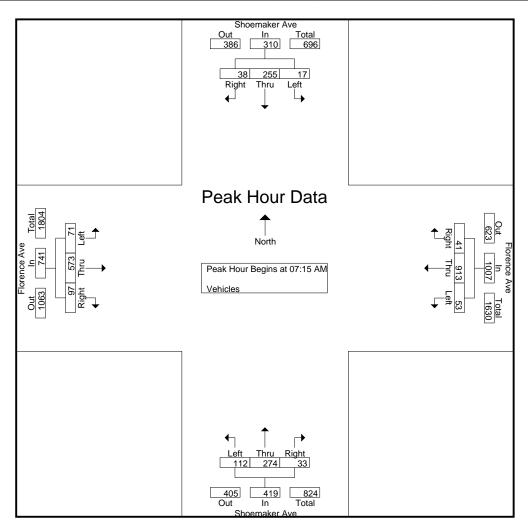
Page No : 1

						Printea-							
	Shoe	emaker Av	/e	Flo	rence Ave	•	Shoe	emaker A	ve	Flo	rence Ave		
	So	<u>uthbound</u>		We	estbound		No	rthbound		Ea	stbound		
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:00 AM	2	62	10	14	203	10	11	56	4	14	111	37	534
07:15 AM	7	63	8	10	243	11	19	68	7	26	138	30	630
07:30 AM	6	64	9	13	264	12	32	65	6	12	150	18	651
07:45 AM	1	74	8	13	239	15	31	77	10	19	141	27	655
Total	16	263	35	50	949	48	93	266	27	71	540	112	2470
1													
08:00 AM	3	54	13	17	167	3	30	64	10	14	144	22	541
08:15 AM	1	67	10	6	188	26	22	70	4	13	136	18	561
08:30 AM	4	57	11	5	168	3	24	60	8	13	123	23	499
08:45 AM	5	48	8	10	181	6	32	53	14	12	158	21	548_
Total	13	226	42	38	704	38	108	247	36	52	561	84	2149
			1			- 1			1				
04:00 PM	21	96	19	13	161	3	25	81	17	9	226	28	699
04:15 PM	5	106	10	8	206	4	27	74	13	11	233	18	715
04:30 PM	12	125	22	9	205	5	13	90	27	12	252	23	795
04:45 PM	10	116	10	12	181	4	23	97	19	5	240	27	744
Total	48	443	61	42	753	16	88	342	76	37	951	96	2953
			1			- 1			1			1	
05:00 PM	13	97	18	13	181	6	33	125	26	9	257	29	807
05:15 PM	6	69	13	9	223	4	30	60	16	9	288	25	752
05:30 PM	16	112	21	10	189	7	28	58	22	13	247	25	748
05:45 PM	9	92	21	12	176	4	13	76	16	3	221	36	679
Total	44	370	73	44	769	21	104	319	80	34	1013	115	2986
			1			1			1			1	
Grand Total	121	1302	211	174	3175	123	393	1174	219	194	3065	407	10558
Apprch %	7.4	79.7	12.9	5	91.4	3.5	22	65.7	12.3	5.3	83.6	11.1	
Total %	1.1	12.3	2	1.6	30.1	1.2	3.7	11.1	2.1	1.8	29	3.9	

File Name: Shoemaker_Florence

Site Code : 00000000 Start Date : 4/1/2021

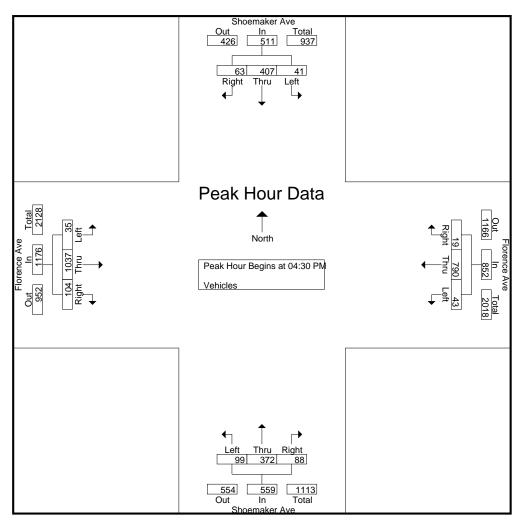
	;	Shoema	aker Av				nce Ave	•	:		aker Av	re			nce Ave)	
Start Time	Left	Thru	Right		Left	Thru		App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Anal	ysis Fron	n 07:00	AM to 0	8:45 AM -	Peak 1	of 1									_		
Peak Hour for E	ntire Inte	rsection	Begins	at 07:15	AM												
07:15 AM	7	63	8	78	10	243	11	264	19	68	7	94	26	138	30	194	630
07:30 AM	6	64	9	79	13	264	12	289	32	65	6	103	12	150	18	180	651
07:45 AM	1	74	8	83	13	239	15	267	31	77	10	118	19	141	27	187	655
08:00 AM	3	54	13	70	17	167	3	187	30	64	10	104	14	144	22	180	541
Total Volume	17	255	38	310	53	913	41	1007	112	274	33	419	71	573	97	741	2477
% App. Total	5.5	82.3	12.3		5.3	90.7	4.1		26.7	65.4	7.9		9.6	77.3	13.1		
PHF	.607	.861	.731	.934	.779	.865	.683	.871	.875	.890	.825	.888	.683	.955	.808	.955	.945



File Name: Shoemaker_Florence

Site Code : 00000000 Start Date : 4/1/2021

	;	Shoema South	aker Av bound	•			ce Ave	•	;		aker Av bound	е			nce Ave)	
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analy	ysis Fron	n 04:00	PM to 0	5:45 PM -	Peak 1	of 1											
Peak Hour for E	ntire Inte	rsection	Begins	at 04:30	PM												
04:30 PM	12	125	22	159	9	205	5	219	13	90	27	130	12	252	23	287	795
04:45 PM	10	116	10	136	12	181	4	197	23	97	19	139	5	240	27	272	744
05:00 PM	13	97	18	128	13	181	6	200	33	125	26	184	9	257	29	295	807
05:15 PM	6	69	13	88	9	223	4	236	30	60	16	106	9	288	25	322	752
Total Volume	41	407	63	511	43	790	19	852	99	372	88	559	35	1037	104	1176	3098
% App. Total	8	79.6	12.3		5	92.7	2.2		17.7	66.5	15.7		3	88.2	8.8		
PHF	.788	.814	.716	.803	.827	.886	.792	.903	.750	.744	.815	.760	.729	.900	.897	.913	.960



File Name: Shoemaker_Lakeland Site Code: 00000000

Start Date : 4/1/2021

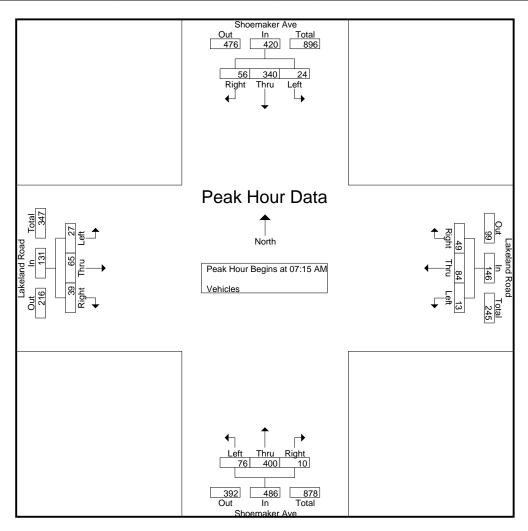
Page No : 1

						· ·							
		emaker Av	-		land Roa	d		emaker Av	-		land Roa	d	
		<u>uthbound</u>		We	estbound			rthbound			stbound		
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:00 AM	5	82	14	2	13	8	9	59	4	8	13	10	227
07:15 AM	5	83	16	5	19	12	22	84	4	10	10	7	277
07:30 AM	5	67	14	1	25	11	21	97	2	5	17	9	274
07:45 AM	6	110	16	4	19	16	20	119	2	5	11	13	341
Total	21	342	60	12	76	47	72	359	12	28	51	39	1119
08:00 AM	8	80	10	3	21	10	13	100	2	7	27	10	291
08:15 AM	6	83	8	4	15	6	21	85	1	8	13	11	261
08:30 AM	2	55	11	4	21	5	11	78	2	7	14	18	228
08:45 AM	6	63	12	1	13	6	18	89	2	10	13	8	241
Total	22	281	41	12	70	27	63	352	7	32	67	47	1021
04:00 PM	6	117	10	13	27	11	18	94	9	12	39	29	385
04:15 PM	7	104	14	4	25	13	21	94	4	11	33	15	345
04:30 PM	5	119	8	7	40	5	23	113	3	18	45	28	414
04:45 PM	7	138	16	7	15	6	17	114	5	13	41	22	401
Total	25	478	48	31	107	35	79	415	21	54	158	94	1545
·			•			·						·	
05:00 PM	6	121	17	8	31	16	20	120	5	16	31	34	425
05:15 PM	3	98	13	18	21	8	16	80	4	11	19	16	307
05:30 PM	5	105	21	4	17	11	9	80	5	8	22	16	303
05:45 PM	8	109	14	4	7	6	8	91	4	7	28	14	300
Total	22	433	65	34	76	41	53	371	18	42	100	80	1335
			!	-	-			-	- 1			1	-
Grand Total	90	1534	214	89	329	150	267	1497	58	156	376	260	5020
Apprch %	4.9	83.5	11.6	15.7	57.9	26.4	14.7	82.2	3.2	19.7	47.5	32.8	-
Total %	1.8	30.6	4.3	1.8	6.6	3	5.3	29.8	1.2	3.1	7.5	5.2	
	-		- 1	-		- 1			- 1	-	-	1	

File Name: Shoemaker_Lakeland

Site Code : 00000000 Start Date : 4/1/2021

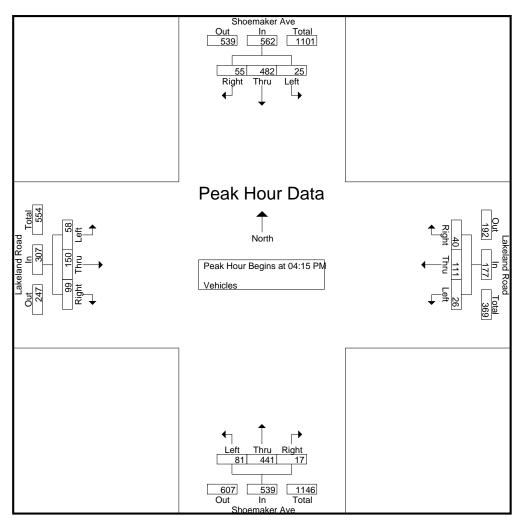
	:		aker Av	-			nd Roa bound	d			aker Av	'e			nd Roa bound	d	
Start Time	Left	Thru			Left	Thru		App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Anal	ysis Fron	n 07:00	AM to C	8:45 AM -	Peak 1	of 1						•					
Peak Hour for E	ntire Inte	rsection	Begins	at 07:15	AM												
07:15 AM	5	83	16	104	5	19	12	36	22	84	4	110	10	10	7	27	277
07:30 AM	5	67	14	86	1	25	11	37	21	97	2	120	5	17	9	31	274
07:45 AM	6	110	16	132	4	19	16	39	20	119	2	141	5	11	13	29	341
08:00 AM	8	80	10	98	3	21	10	34	13	100	2	115	7	27	10	44	291
Total Volume	24	340	56	420	13	84	49	146	76	400	10	486	27	65	39	131	1183
% App. Total	5.7	81	13.3		8.9	57.5	33.6		15.6	82.3	2.1		20.6	49.6	29.8		
PHF	.750	.773	.875	.795	.650	.840	.766	.936	.864	.840	.625	.862	.675	.602	.750	.744	.867



File Name: Shoemaker_Lakeland

Site Code : 00000000 Start Date : 4/1/2021

	;	Shoema South	aker Av bound	-			nd Roa bound	d	;		aker Av bound	е			nd Roa bound	d	
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analy	ysis Fron	n 04:00	PM to 0	5:45 PM -	Peak 1	of 1											
Peak Hour for E	ntire Inte	rsection	Begins	at 04:15	PM												
04:15 PM	7	104	14	125	4	25	13	42	21	94	4	119	11	33	15	59	345
04:30 PM	5	119	8	132	7	40	5	52	23	113	3	139	18	45	28	91	414
04:45 PM	7	138	16	161	7	15	6	28	17	114	5	136	13	41	22	76	401
05:00 PM	6	121	17	144	8	31	16	55	20	120	5	145	16	31	34	81	425
Total Volume	25	482	55	562	26	111	40	177	81	441	17	539	58	150	99	307	1585
% App. Total	4.4	85.8	9.8		14.7	62.7	22.6		15	81.8	3.2		18.9	48.9	32.2		
PHF	.893	.873	.809	.873	.813	.694	.625	.805	.880	.919	.850	.929	.806	.833	.728	.843	.932



File Name : Shoemaker_Imperial Site Code : 00000000

Start Date : 4/1/2021

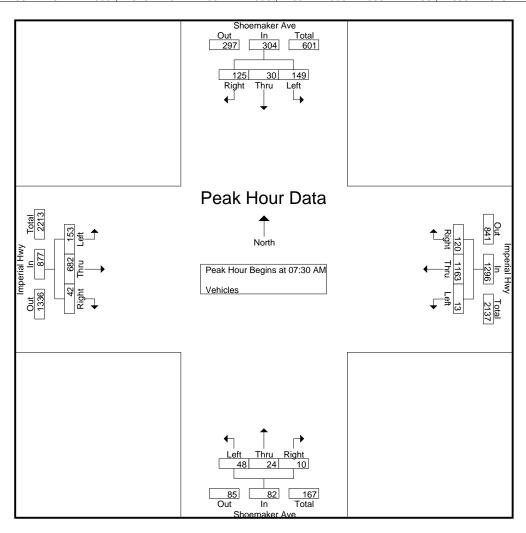
Page No : 1

	Shoe	maker Av	/e	lmp	perial Hwy	,		maker Av	ve	lm	perial Hwy		
	Sou	uthbound		We	estbound		No	rthbound		E	astbound		
Start Time	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Left	Thru	Right	Int. Total
07:00 AM	34	5	41	0	273	23	18	3	0	27	152	27	603
07:15 AM	40	10	26	1	257	23	6	6	2	39	134	15	559
07:30 AM	34	7	28	3	309	26	18	3	3	45	158	7	641
07:45 AM	41	10	40	4	296	29	9	7	1	42	154	11	644
Total	149	32	135	8	1135	101	51	19	6	153	598	60	2447
	ı											1	
08:00 AM	38	9	37	2	292	30	15	10	1	40	208	14	696
08:15 AM	36	4	20	4	266	35	6	4	5	26	162	10	578
08:30 AM	28	6	28	1	274	28	4	6	0	27	197	11	610
08:45 AM	24	8	35	1_	220	14	8	10	2	20	145	6	493
Total	126	27	120	8	1052	107	33	30	8	113	712	41	2377
0.4.00 PM	1 44	40	00		000	00	0.5	•		4.4	005	0	744
04:00 PM	44	10	36	4	238	26	35	9	4	41	295	2	744
04:15 PM	37	5	39	7	213	30	15	13	1	40	284	8	692
04:30 PM	61	8	43	6	241	30	18	11	4	45	295	4 7	766
04:45 PM	57	8	36	3	249	27	22	5	0	43	294		751
Total	199	31	154	20	941	113	90	38	9	169	1168	21	2953
05:00 PM	41	15	49	4	262	45	16	7	8	30	331	5	813
05:15 PM	59	8	43	2	280	29	9	11	2	29	334	1	807
05:30 PM	25	5	28	4	266	45	17	8	2	35	276	10	721
05:45 PM	32	3	34	3	212	27	11	9	5	29	293	9	667
Total	157	31	154	13	1020	146	53	35	17	123	1234	25	3008
Total	107	31	154	10	1020	140	55	00	17	120	1254	20	3000
Grand Total	631	121	563	49	4148	467	227	122	40	558	3712	147	10785
Apprch %	48	9.2	42.8	1.1	88.9	10	58.4	31.4	10.3	12.6	84	3.3	
Total %	5.9	1.1	5.2	0.5	38.5	4.3	2.1	1.1	0.4	5.2	34.4	1.4	

File Name: Shoemaker_Imperial

Site Code : 00000000 Start Date : 4/1/2021

		Shoema	aker Av	/e		Imper	ial Hwy	,		Shoem	aker Av	re		Imper	ial Hwy	,	
		South	bound			West	bound			North	bound			East	bound		
Start Time	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Anal	ysis Fron	n 07:00	AM to 0	8:45 AM -	Peak 1	of 1	_				_				_		
Peak Hour for E	ntire Inte	rsection	Begins	at 07:30	AM												
07:30 AM	34	7	28	69	3	309	26	338	18	3	3	24	45	158	7	210	641
07:45 AM	41	10	40	91	4	296	29	329	9	7	1	17	42	154	11	207	644
08:00 AM	38	9	37	84	2	292	30	324	15	10	1	26	40	208	14	262	696
08:15 AM	36	4	20	60	4	266	35	305	6	4	5	15	26	162	10	198	578
Total Volume	149	30	125	304	13	1163	120	1296	48	24	10	82	153	682	42	877	2559
% App. Total	49	9.9	41.1		1	89.7	9.3		58.5	29.3	12.2		17.4	77.8	4.8		
PHF	.909	.750	.781	.835	.813	.941	.857	.959	.667	.600	.500	.788	.850	.820	.750	.837	.919



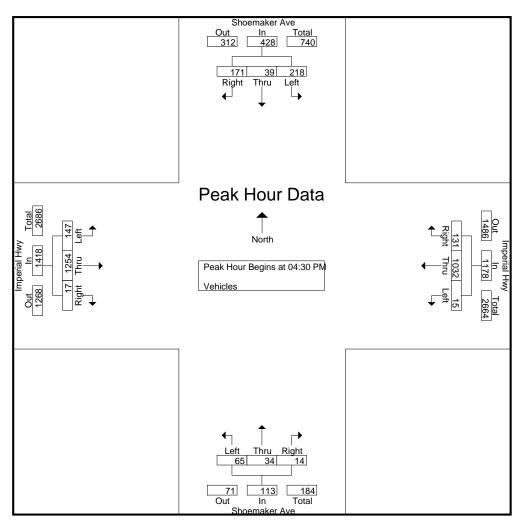
CITY TRAFFIC COUNTERS WWW.CTCOUNTERS.COM

File Name: Shoemaker_Imperial

Site Code : 00000000 Start Date : 4/1/2021

Page No : 3

	Shoemaker Ave Southbound			е	Imperial Hwy Westbound				Shoemaker Ave Northbound				Imperial Hwy Eastbound				
Start Time	Left	Thru		App. Total	Left	Thru	Right	App. Total	Left	Thru		App. Total	Left	Thru	Right	App. Total	Int. Total
Peak Hour Analy	ysis Fron	n 04:00	PM to 0	5:45 PM -	Peak 1	of 1	-				_				_		
Peak Hour for E	ntire Inte	rsection	Begins	at 04:30	PM												
04:30 PM	61	8	43	112	6	241	30	277	18	11	4	33	45	295	4	344	766
04:45 PM	57	8	36	101	3	249	27	279	22	5	0	27	43	294	7	344	751
05:00 PM	41	15	49	105	4	262	45	311	16	7	8	31	30	331	5	366	813
05:15 PM	59	8	43	110	2	280	29	311	9	11	2	22	29	334	1	364	807
Total Volume	218	39	171	428	15	1032	131	1178	65	34	14	113	147	1254	17	1418	3137
% App. Total	50.9	9.1	40		1.3	87.6	11.1		57.5	30.1	12.4		10.4	88.4	1.2		
PHF	.893	.650	.872	.955	.625	.921	.728	.947	.739	.773	.438	.856	.817	.939	.607	.969	.965



APPENDIX B LEVEL OF SERVICE ANALYSIS ICU CALCULATION SHEET

Location:Bloomfield Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study Vol.		Vol. Per Lane		V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	50	81					50	81	0.031	0.051	0.031	0.051
N/B Thru	2	3,200	428	587					428	587	0.153	0.243		
N/B Right	-	-	60	191					60	191	0.000	0.000		
S/B Left	1	1,600	27	51					27	51	0.017	0.032		
S/B Thru	2	3,200	429	604					429	604	0.178	0.237	0.178	0.237
S/B Right	-	-	142	155					142	155	0.000	0.000		
E/B Left	1	1,600	143	166					143	166	0.089	0.104	0.089	
E/B Thru	2	3,200	717	991					717	991	0.224	0.310		0.310
E/B Right	1	1,600	155	162					155	162	0.066	0.051		
W/B Left	1	1,600	130	148					130	148	0.081	0.093		0.093
W/B Thru	2	3,200	932	828					932	828	0.291	0.259	0.291	
W/B Right	1	1,600	65	4 9					65	49	0.024	0.031		
									Sun	n Of Cri	tical V/C	:	0.590	0.690
											Lost Tir	ne:	0.100	0.100
	ANALYSIS RESULTS :										Total V		0.690	0.790
										Level	Of Service	e:	В	С

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Bloomfield Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumulative		Pro	ject	Study Vol. Per Lane			Per Lane		C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	50	81			1	4	51	85	0.032	0.053	0.032	0.053
N/B Thru	2	3,200	428	587			1	3	429	590	0.153	0.244		
N/B Right	-	-	60	191					60	191	0.000	0.000		
S/B Left	1	1,600	27	51					27	51	0.017	0.032		
S/B Thru	2	3,200	429	604			3	1	432	605	0.179	0.238	0.179	0.238
S/B Right	-	-	142	155					142	155	0.000	0.000		
E/B Left	1	1,600	143	166					143	166	0.089	0.104	0.089	
E/B Thru	2	3,200	717	991					717	991	0.224	0.310		0.310
E/B Right	1	1,600	155	162			4	2	159	164	0.068	0.049		
W/B Left	1	1,600	130	148					130	148	0.081	0.093		0.093
W/B Thru	2	3,200	932	828					932	828	0.291	0.259	0.291	
W/B Right	1	1,600	65	4 9					65	49	0.024	0.031		
									Sun	n Of Cri	tical V/C		0.592	0.693
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :											Total V	//C:	0.692	0.793
										Level	Of Service	e:	В	С

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		_

Location:Bloomfield Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumu	ılative	Pro	ject	Study Vol.		udy Vol. Per Lane		V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	50	81	0	0			51	82	0.032	0.051	0.032	0.051
N/B Thru	2	3,200	428	587	14	6			446	599	0.160	0.248		
N/B Right	-	-	60	191	5	2			66	195	0.000	0.000		
S/B Left	1	1,600	27	51	0	0			27	52	0.017	0.032		
S/B Thru	2	3,200	429	604	4	15			437	625	0.181	0.244	0.181	0.244
S/B Right	-	-	142	155	0	0			143	157	0.000	0.000		
E/B Left	1	1,600	143	166	0	0			144	168	0.090	0.105	0.090	
E/B Thru	2	3,200	717	991	8	26			732	1027	0.229	0.321		0.321
E/B Right	1	1,600	155	162	0	0			157	164	0.066	0.051		
W/B Left	1	1,600	130	148	1	5			132	154	0.083	0.097		0.097
W/B Thru	2	3,200	932	828	22	13			963	849	0.301	0.265	0.301	
W/B Right	1	1,600	65	49	0	0			66	49	0.024	0.031		
									Sun	n Of Cri	tical V/C	:	0.604	0.713
											Lost Tir	ne:	0.100	0.100
	ANAL	YSIS RE	SULTS	S :					Total V/C:			0.704	0.813	
										Level	Of Service	ce:	В	D

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C Level Of Se	rvice
		Under 0.605 A	
Lane Capacity		0.605 - 0.704 B	
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804 C	
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904 D	
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004 E	
		Over 1.005 F	

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Bloomfield Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	ilable		Peak	Ho	ur	Volume	es			Movem	ent V/C	Criti	cal		
Movement	Lar	nes	Exist	ing	Cumul	ative	Proje	ect	Study	Study Vol.		Study Vol.		ane	V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM		
N/B Left	1	1,600	50	81	-	-	1	4	52	86	0.032	0.054	0.032	0.054		
N/B Thru	2	3,200	428	587	14	6	1	3	447	602	0.160	0.249				
N/B Right	-	-	60	191	5	2	_	-	66	195	0.000	0.000				
S/B Left	1	1,600	27	51	_	-	-	-	27	52	0.017	0.032				
S/B Thru	2	3,200	429	604	4	15	3	1	440	626	0.182	0.245	0.182	0.245		
S/B Right	-	-	142	155	_	-	-	-	143	157	0.000	0.000				
E/B Left	1	1,600	143	166	-	-	-	-	144	168	0.090	0.105	0.090			
E/B Thru	2	3,200	717	991	8	26	-	-	732	1027	0.229	0.321		0.321		
E/B Right	1	1,600	155	162	-	-	4	2	161	166	0.068	0.050				
W/B Left	1	1,600	130	148	1	5	-	-	132	154	0.083	0.097		0.097		
W/B Thru	2	3,200	932	828	22	13	-	-	963	849	0.301	0.265	0.301			
W/B Right	1	1,600	65	49	_	-	-	-	66	49	0.024	0.031				
									Sun	n Of Cr	tical V/C	:	0.606	0.716		
											Lost Tir	ne:	0.100	0.100		
	ANAL	YSIS RE	SULTS	S :							Total V	//C:	0.706	0.816		
										Level	Of Service	e:	С	D		

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals:	0.10 of V/C Ratio	
NOTES:		

Location:Bloomfield Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	Study Vol. Per Lane		_ane	V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	40	92					40	92	0.025	0.058	0.025	0.058
N/B Thru	2	3,200	481	671					481	671	0.150	0.210		
N/B Right	1	1,600	33	60					33	60	0.002	0.038		
S/B Left	1	1,600	89	62					89	62	0.056	0.039		
S/B Thru	2	3,200	595	754					595	754	0.186	0.236	0.186	0.236
S/B Right	1	1,600	56	137					56	137	0.005	0.037		
E/B Left	1	1,600	48	78					48	78	0.030	0.049		0.049
E/B Thru	1	1,600	129	141					129	141	0.081	0.088	0.081	
E/B Right	1	1,600	61	71					61	71	0.013	0.044		
W/B Left	1	1,600	30	71					30	71	0.019	0.044	0.019	
W/B Thru	1	1,600	94	181					94	181	0.059	0.113		0.113
W/B Right	1	1,600	42	59					42	59	0.026	0.037		
							Sun	n Of Cri	tical V/C	:	0.310	0.455		
										Lost Tir		0.100	0.100	
	ANALYSIS RESULTS :						Total V/C:			0.410	0.555			
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Bloomfield Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	Study Vol. Per Lane		ne V/C		
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	40	92					40	92	0.025	0.058	0.025	0.058
N/B Thru	2	3,200	481	671					481	671	0.150	0.210		
N/B Right	1	1,600	33	60			6	3	39	63	0.004	0.039		
S/B Left	1	1,600	89	62			7	3	96	65	0.060	0.041		
S/B Thru	2	3,200	595	754					595	754	0.186	0.236	0.186	0.236
S/B Right	1	1,600	56	137					56	137	0.005	0.037		
E/B Left	1	1,600	48	78					48	78	0.030	0.049		0.049
E/B Thru	1	1,600	129	141					129	141	0.081	0.088	0.081	
E/B Right	1	1,600	61	71					61	71	0.013	0.044		
W/B Left	1	1,600	30	71			2	7	32	78	0.020	0.049	0.020	
W/B Thru	1	1,600	94	181					94	181	0.059	0.113		0.113
W/B Right	1	1,600	42	59			2	7	44	66	0.028	0.001		
									Sun	n Of Cr	tical V/C		0.312	0.455
										Lost Tir	ne:	0.100	0.100	
	ANALYSIS RESULTS :						Total V/C: Level Of Service:			0.412	0.555			
													Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year: Annual Growth Factor:	2021 1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Bloomfield Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumu	ılative	Pro	ject	Study	y Vol.	Per L	_ane	V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	40	92	0	0			40	93	0.025	0.058	0.025	0.058
N/B Thru	2	3,200	481	671	19	8			505	686	0.158	0.214		
N/B Right	1	1,600	33	60	0	0			33	61	0.002	0.038		
S/B Left	1	1,600	89	62	0	0			90	63	0.056	0.039		
S/B Thru	2	3,200	595	754	5	20			606	782	0.189	0.244	0.189	0.244
S/B Right	1	1,600	56	137	0	0			57	138	0.005	0.037		
E/B Left	1	1,600	48	78	0	0			48	79	0.030	0.049		0.049
E/B Thru	1	1,600	129	141	0	0			130	142	0.081	0.089	0.081	
E/B Right	1	1,600	61	71	0	0			62	72	0.013	0.045		
W/B Left	1	1,600	30	71	0	0			30	72	0.019	0.045	0.019	
W/B Thru	1	1,600	94	181	0	0			95	183	0.059	0.114		0.114
W/B Right	1	1,600	42	59	0	0			42	60	0.027	0.037		
									Sun	n Of Cri	tical V/C		0.315	0.466
										Lost Tir		0.100	0.100	
	ANALYSIS RESULTS :						Total V/C:			0.415	0.566			
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals.	0.10 of V/C Ratio	
NOTES:		
		_

Location:Bloomfield Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volume	es			Movem	ent V/C	Criti	cal
Movement	Lar	nes	Exist	ing	Cumul	ative	Proje	ect	Study	/ Vol.	Per L	ane	V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	40	92	-	-	-	-	40	93	0.025	0.058		0.058
N/B Thru	2	3,200	481	671	19	8	-	-	505	686	0.158	0.214	0.158	
N/B Right	1	1,600	33	60	-	-	6	3	39	64	0.004	0.040		
S/B Left	1	1,600	89	62	_	-	7	3	97	66	0.061	0.041	0.061	
S/B Thru	2	3,200	595	754	5	20	-	-	606	782	0.189	0.244		0.244
S/B Right	1	1,600	56	137	-	-	-	-	57	138	0.005	0.037		
E/B Left	1	1,600	48	78	-	-	-	-	48	79	0.030	0.049		0.049
E/B Thru	1	1,600	129	141	-	-	-	-	130	142	0.081	0.089	0.081	
E/B Right	1	1,600	61	71	_	-	-	-	62	72	0.013	0.045		
W/B Left	1	1,600	30	71	-	-	2	7	32	79	0.020	0.049	0.020	
W/B Thru	1	1,600	94	181	_	-	-	-	95	183	0.059	0.114		0.114
W/B Right	1	1,600	42	59	-	-	2	7	44	67	0.028	0.001		
									Sun	n Of Cr	itical V/C	:	0.320	0.466
											Lost Tir	ne:	0.100	0.100
	ANALYSIS RESULTS :							Total V/C:			0.420	0.566		
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	U.10 of V/C Ratio	
NOTES:		

Location:Bloomfield Avenue and Imperial HighwayCity:Santa Fe SpringsProject No. CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	y Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	35	39					35	39	0.022	0.024		0.024
N/B Thru	2	3,200	573	491					573	491	0.179	0.153	0.179	
N/B Right	1	1,600	166	271					166	271	0.104	0.049		
S/B Left	1	1,600	72	150					72	150	0.045	0.094	0.045	
S/B Thru	2	3,200	416	817					416	817	0.130	0.255		0.255
S/B Right	1	1,600	87	185					87	185	0.054	0.046		
E/B Left	1	1,600	147	111					147	111	0.092	0.069	0.092	
E/B Thru	3	4,800	620	848					620	848	0.129	0.177		0.177
E/B Right	1	1,600	28	58					28	58	0.018	0.012		
W/B Left	1	1,600	171	192					171	192	0.107	0.120		0.120
W/B Thru	3	4,800	827	707					827	707	0.184	0.152	0.184	
W/B Right	-	-	58	23					58	23	0.000	0.000		
									Sun	n Of Cri	tical V/C	:	0.500	0.576
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :				Total V/C:		0.600	0.676							
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year: Annual Growth Factor:	2021 1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals.	0.10 of V/C Ratio	
NOTES:		
		_

Location:Bloomfield Avenue and Imperial HighwayCity:Santa Fe SpringsProject No. CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	y Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	35	39					35	39	0.022	0.024		0.024
N/B Thru	2	3,200	573	491			3	1	576	492	0.180	0.154	0.180	
N/B Right	1	1,600	166	271					166	271	0.104	0.049		
S/B Left	1	1,600	72	150					72	150	0.045	0.094	0.045	
S/B Thru	2	3,200	416	817			1	3	417	820	0.130	0.256		0.256
S/B Right	1	1,600	87	185			1	4	88	189	0.055	0.048		
E/B Left	1	1,600	147	111			3	2	150	113	0.094	0.071	0.094	
E/B Thru	3	4,800	620	848					620	848	0.129	0.177		0.177
E/B Right	1	1,600	28	58					28	58	0.018	0.012		
W/B Left	1	1,600	171	192					171	192	0.107	0.120		0.120
W/B Thru	3	4,800	827	707					827	707	0.184	0.152	0.184	
W/B Right	-	-	58	23					58	23	0.000	0.000		
									Sun	n Of Cri	tical V/C		0.503	0.577
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :						Total V/C:			0.603	0.677				
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		_

Location:Bloomfield Avenue and Imperial HighwayCity:Santa Fe SpringsProject No. CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumu	ılative	Pro	ject	Study	y Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	35	39	0	0			35	39	0.022	0.025		0.025
N/B Thru	2	3,200	573	491	19	8			598	504	0.187	0.157	0.187	
N/B Right	1	1,600	166	271	0	0			168	274	0.105	0.050		
S/B Left	1	1,600	72	150	0	0			73	152	0.045	0.095	0.045	
S/B Thru	2	3,200	416	817	5	20			425	845	0.133	0.264		0.264
S/B Right	1	1,600	87	185	0	0			88	187	0.055	0.047		
E/B Left	1	1,600	147	111	0	0			148	112	0.093	0.070	0.093	
E/B Thru	3	4,800	620	848	3	9			629	865	0.131	0.180		0.180
E/B Right	1	1,600	28	58	0	0			28	59	0.018	0.012		
W/B Left	1	1,600	171	192	0	0			173	194	0.108	0.121		0.121
W/B Thru	3	4,800	827	707	9	4			844	718	0.188	0.154	0.188	
W/B Right	-	-	58	23	0	0			59	23	0.000	0.000		
									Sun	n Of Cri	tical V/C		0.513	0.590
											Lost Tir		0.100	0.100
ANALYSIS RESULTS : Total V/C:							0.613	0.690						
										Level	Of Service	e:	В	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Bloomfield Avenue and Imperial HighwayCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	ilable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Criti	cal
Movement	Lar	nes	Exist	ing	Cumul	ative	Proje	ect	Study	/ Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	35	39	-	-	-	-	35	39	0.022	0.025		0.025
N/B Thru	2	3,200	573	491	19	8	3	1	601	505	0.188	0.158	0.188	
N/B Right	1	1,600	166	271	-	-	-	-	168	274	0.105	0.050		
S/B Left	1	1,600	72	150	-	-	-	-	73	152	0.045	0.095	0.045	
S/B Thru	2	3,200	416	817	5	20	1	3	426	848	0.133	0.265		0.265
S/B Right	1	1,600	87	185	-	-	1	4	89	191	0.056	0.048		
E/B Left	1	1,600	147	111	-	-	3	2	151	114	0.095	0.071	0.095	
E/B Thru	3	4,800	620	848	3	9	-	-	629	865	0.131	0.180		0.180
E/B Right	1	1,600	28	58	-	-	-	-	28	59	0.018	0.012		
W/B Left	1	1,600	171	192	-	-	-	-	173	194	0.108	0.121		0.121
W/B Thru	3	4,800	827	707	9	4	-	-	844	718	0.188	0.154	0.188	
W/B Right	-	-	58	23	_	-	-	-	59	23	0.000	0.000		
									Sun	n Of Cr	itical V/C	:	0.516	0.591
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :							Total V/C:		0.616	0.691				
										Level	Of Service	e:	В	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals.	U. 10 Of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/1/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	sting	Cumi	ılative	Pro	ject	Stud	y Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	112	99					112	99	0.070	0.062	0.070	0.062
N/B Thru	2	3,200	274	372					274	372	0.086	0.116		
N/B Right	1	1,600	33	88					33	88	0.021	0.028		
S/B Left	1	1,600	17	41					17	41	0.011	0.026		
S/B Thru	2	3,200	255	407					255	407	0.092	0.147	0.092	0.147
S/B Right	-	-	38	63					38	63	0.000	0.000		
E/B Left	1	1,600	71	35					71	35	0.044	0.022	0.044	
E/B Thru	2	3,200	573	1037					573	1037	0.179	0.324		0.324
E/B Right	1	1,600	97	104					97	104	0.061	0.003		
W/B Left	1	1,600	53	43					53	43	0.033	0.027		0.027
W/B Thru	2	3,200	913	790					913	790	0.285	0.247	0.285	
W/B Right	1	1,600	41	19					41	19	0.015	0.012		
				•		•	•	•	Sun	n Of Cri	tical V/C	:	0.491	0.560
										Lost Tir	ne:	0.100	0.100	
	ANALYSIS RESULTS :								Total V	//C:	0.591	0.660		
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Shoemaker Avenue and Florence AvenueCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	sting	Cumi	ılative	Pro	ject	Stud	y Vol.	Per L	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	112	99					112	99	0.070	0.062	0.070	0.062
N/B Thru	2	3,200	274	372			1	3	275	375	0.086	0.117		
N/B Right	1	1,600	33	88			1	3	34	91	0.021	0.029		
S/B Left	1	1,600	17	41					17	41	0.011	0.026		
S/B Thru	2	3,200	255	407			3	1	258	408	0.093	0.147	0.093	0.147
S/B Right	-	-	38	63					38	63	0.000	0.000		
E/B Left	1	1,600	71	35					71	35	0.044	0.022	0.044	
E/B Thru	2	3,200	573	1037					573	1037	0.179	0.324		0.324
E/B Right	1	1,600	97	104					97	104	0.061	0.003		
W/B Left	1	1,600	53	43			3	1	56	44	0.035	0.028		0.028
W/B Thru	2	3,200	913	790					913	790	0.285	0.247	0.285	
W/B Right	1	1,600	41	19					41	19	0.015	0.012		
									Sun	n Of Cri	tical V/C	:	0.492	0.561
										Lost Tir	ne:	0.100	0.100	
	ANALYSIS RESULTS :									Total V		0.592	0.661	
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C Level Of Serv	/ice
		Under 0.605 A	
Lane Capacity		0.605 - 0.704 B	
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804 C	
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904 D	
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004 E	
		Over 1.005 F	

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Shoemaker Avenue and Florence AvenueCity:Santa Fe SpringsProject No. CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	lable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	sting	Cumi	ılative	Pro	ject	Study	y Vol.	Per Lane		V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	112	99	0	0			113	100	0.071	0.062	0.071	0.062
N/B Thru	2	3,200	274	372	5	2			282	378	0.088	0.118		
N/B Right	1	1,600	33	88	0	0			33	89	0.021	0.028		
S/B Left	1	1,600	17	41	0	0			17	41	0.011	0.026		
S/B Thru	2	3,200	255	407	1	5			259	416	0.093	0.151	0.093	0.151
S/B Right	-	-	38	63	1	5			39	69	0.000	0.000		
E/B Left	1	1,600	71	35	5	2			77	37	0.048	0.023	0.048	
E/B Thru	2	3,200	573	1037	8	26			587	1073	0.183	0.335		0.335
E/B Right	1	1,600	97	104	0	0			98	105	0.061	0.003		
W/B Left	1	1,600	53	43	0	0			54	43	0.033	0.027		0.027
W/B Thru	2	3,200	913	790	22	13			944	811	0.295	0.253	0.295	
W/B Right	1	1,600	41	19	0	0			41	19	0.015	0.012		
									Sun	n Of Cri	tical V/C		0.507	0.577
											Lost Tir	ne:	0.100	0.100
	ANALYSIS RESULTS :										Total V		0.607	0.677
										Level	Of Service	e:	В	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C Level Of Se	rvice
		Under 0.605 A	
Lane Capacity		0.605 - 0.704 B	
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804 C	
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904 D	
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004 E	
		Over 1.005 F	

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Florence AvenueCity:Santa Fe SpringsProject No. CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Criti	cal
Movement	Lar	nes	Exis	ting	Cumul	ative	Proje	ect	Study	/ Vol.	Per L	ane	V/C	
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	112	99	-	-	-	-	113	100	0.071	0.062	0.071	0.062
N/B Thru	2	3,200	274	372	5	2	1	3	283	381	0.088	0.119		
N/B Right	1	1,600	33	88	-	-	1	3	34	92	0.021	0.030		
S/B Left	1	1,600	17	41	-	-	-	-	17	41	0.011	0.026		
S/B Thru	2	3,200	255	407	1	5	3	1	262	417	0.094	0.152	0.094	0.152
S/B Right	-	-	38	63	1	5	-	-	39	69	0.000	0.000		
E/B Left	1	1,600	71	35	5	2	-	-	77	37	0.048	0.023	0.048	
E/B Thru	2	3,200	573	1037	8	26			587	1073	0.183	0.335		0.335
E/B Right	1	1,600	97	104	-	-	-	-	98	105	0.061	0.003		
W/B Left	1	1,600	53	43	-	-	3	1	57	44	0.035	0.028		0.028
W/B Thru	2	3,200	913	790	22	13	-	-	944	811	0.295	0.253	0.295	
W/B Right	1	1,600	41	19	-	-	-	-	41	19	0.015	0.012		
									Sun	n Of Cr	itical V/C	:	0.508	0.577
											Lost Tir		0.100	0.100
	ANALYSIS RESULTS :										Total V		0.608	0.677
										Level	Of Service	e:	В	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	C
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/1/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	/ Vol.	Per L	_ane	V/	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	76	81					76	81	0.048	0.051	0.048	0.051
N/B Thru	2	3,200	400	441					400	441	0.125	0.138		
N/B Right	1	1,600	10	17					10	17	0.006	0.011		
S/B Left	1	1,600	24	25					24	25	0.015	0.016		
S/B Thru	2	3,200	340	482					340	482	0.106	0.151	0.106	0.151
S/B Right	1	1,600	56	55					56	55	0.018	0.034		
E/B Left	1	1,600	27	58					27	58	0.017	0.036	0.017	
E/B Thru	1	1,600	65	150					65	150	0.041	0.094		0.094
E/B Right	1	1,600	39	99					39	99	0.024	0.011		
W/B Left	1	1,600	13	26					13	26	0.008	0.016		0.016
W/B Thru	1	1,600	84	111					84	111	0.053	0.069	0.053	
W/B Right	1	1,600	49	40					49	40	0.016	0.009		
									Sun	n Of Cri	tical V/C		0.223	0.311
										. 0. 011	Lost Tir		0.100	0.100
	ANAL	YSIS RE	SULTS	3 :							Total V		0.323	0.411
										Level	Of Service		А	Α

ASSUMPTIONS AND METHODOLOGY

LOS Definition Existing Counts Year: 2021 Study Volume Year: 2021 Annual Growth Factor: Total V/C Level Of Service 1.00 Percent Under 0.605 Α В Lane Capacity 0.605 - 0.704 Single Through Lane = 1600 Vehicles Per Hour С 0.705 - 0.804 Single Turn Lane = 1600 Vehicles Per Hour 0.805 - 0.904 D Dual Turn Lane = Ε 2880 Vehicles Per Hour 0.905 - 1.004 Over 1.005

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		_

Location:Shoemaker Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Но	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	y Vol.	Per l	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	76	81					76	81	0.048	0.051	0.048	0.051
N/B Thru	2	3,200	400	441					400	441	0.125	0.138		
N/B Right	1	1,600	10	17					10	17	0.006	0.011		
S/B Left	1	1,600	24	25					24	25	0.015	0.016		
S/B Thru	2	3,200	340	482					340	482	0.106	0.151	0.106	0.151
S/B Right	1	1,600	56	55			6	2	62	57	0.021	0.036		
E/B Left	1	1,600	27	58			2	6	29	64	0.018	0.040	0.018	
E/B Thru	1	1,600	65	150					65	150	0.041	0.094		0.094
E/B Right	1	1,600	39	99					39	99	0.024	0.011		
W/B Left	1	1,600	13	26					13	26	0.008	0.016		0.016
W/B Thru	1	1,600	84	111					84	111	0.053	0.069	0.053	
W/B Right	1	1,600	49	40					49	40	0.016	0.009		
									Sun	n Of Cri	tical V/C	:	0.224	0.311
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :							Total V/C:		0.324	0.411				
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals.	U. 10 Of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumu	ılative	Pro	ject	Study	y Vol.	Per l	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	76	81	0	0			77	82	0.048	0.051	0.048	0.051
N/B Thru	2	3,200	400	441	5	2			409	447	0.128	0.140		
N/B Right	1	1,600	10	17	0	0			10	17	0.006	0.011		
S/B Left	1	1,600	24	25	0	0			24	25	0.015	0.016		
S/B Thru	2	3,200	340	482	1	5			344	492	0.108	0.154	0.108	0.154
S/B Right	1	1,600	56	55	0	0			57	56	0.018	0.035		
E/B Left	1	1,600	27	58	0	0			27	59	0.017	0.037	0.017	
E/B Thru	1	1,600	65	150	0	0			66	152	0.041	0.095		0.095
E/B Right	1	1,600	39	99	0	0			39	100	0.025	0.011		
W/B Left	1	1,600	13	26	0	0			13	26	0.008	0.016		0.016
W/B Thru	1	1,600	84	111	0	0			85	112	0.053	0.070	0.053	
W/B Right	1	1,600	4 9	40	0	0			49	40	0.016	0.009		
									Sun	n Of Cri	tical V/C		0.226	0.316
											Lost Tir		0.100	0.100
ANALYSIS RESULTS :										Total V		0.326	0.416	
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	_
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C Level C	of Service
		Under 0.605	Α
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio	
NOTES:		_

Location:Shoemaker Avenue and Lakeland RoadCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volume	es			Movem	ent V/C	Criti	cal
Movement	Lar	nes	Exist	ing	Cumul	ative	Proje	ect	Study	/ Vol.	Per L	ane	V/C	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	76	81	-	-	-	-	77	82	0.048	0.051	0.048	0.051
N/B Thru	2	3,200	400	441	5	2	-	-	409	447	0.128	0.140		
N/B Right	1	1,600	10	17	-	-	-	-	10	17	0.006	0.011		
S/B Left	1	1,600	24	25	-	-	-	-	24	25	0.015	0.016		
S/B Thru	2	3,200	340	482	1	5	-	-	344	492	0.108	0.154	0.108	0.154
S/B Right	1	1,600	56	55	-	-	6	2	63	58	0.021	0.036		
E/B Left	1	1,600	27	58	-	-	2	6	29	65	0.018	0.040	0.018	
E/B Thru	1	1,600	65	150	-	-	-	-	66	152	0.041	0.095		0.095
E/B Right	1	1,600	39	99	-	-	-	-	39	100	0.025	0.011		
W/B Left	1	1,600	13	26	-	-	-	-	13	26	0.008	0.016		0.016
W/B Thru	1	1,600	84	111	-	-	-	-	85	112	0.053	0.070	0.053	
W/B Right	1	1,600	49	40	-	-	-	-	49	40	0.016	0.009		
									Sun	n Of Cri	itical V/C		0.227	0.316
											Lost Tir		0.100	0.100
ANALYSIS RESULTS :										Total V		0.327	0.416	
										Level	Of Service	e:	Α	Α

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	C
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals:	0.10 of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Imperial HighwayCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes (Count Date: 4/1/2021)

Existing Geometric Configuration

	Avai	ilable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Stud	y Vol.	Per L	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	48	65					48	65	0.030	0.041	0.030	0.041
N/B Thru	1	1,600	24	34					24	34	0.015	0.021		
N/B Right	1	1,600	10	14					10	14	0.006	0.009		
S/B Left	1	1,600	149	218					149	218	0.093	0.136		
S/B Thru	1	1,600	30	39					30	39	0.097	0.131	0.097	0.131
S/B Right	-	-	125	171					125	171	0.000	0.000		
E/B Left	1	1,600	153	147					153	147	0.096	0.092	0.096	0.092
E/B Thru	3	4,800	682	1254					682	1254	0.151	0.265		
E/B Right	-	-	42	17					42	17	0.000	0.000		
W/B Left	1	1,600	13	15					13	15	0.008	0.009		
W/B Thru	3	4,800	1163	1032					1163	1032	0.267	0.242	0.267	0.242
W/B Right	-	-	120	131					120	131	0.000	0.000		
									Sun	n Of Cri	tical V/C	:	0.490	0.506
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :						Total V/C:		0.590	0.606					
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	C
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red Intervals.	U. 10 Of V/C Ratio	
NOTES:		

Location:Shoemaker Avenue and Imperial HighwayCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Base 2021 Traffic Volumes with Project (Count Date: 4/6/2021)

Existing Geometric Configuration

	Avai	lable		Peak	Ho	ur	Volume	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	ting	Cumi	ılative	Pro	ject	Study	y Vol.	Per L	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	48	65					48	65	0.030	0.041	0.030	0.041
N/B Thru	1	1,600	24	34					24	34	0.015	0.021		
N/B Right	1	1,600	10	14					10	14	0.006	0.009		
S/B Left	1	1,600	149	218			2	6	151	224	0.094	0.140		
S/B Thru	1	1,600	30	39					30	39	0.097	0.131	0.097	0.131
S/B Right	-	-	125	171					125	171	0.000	0.000		
E/B Left	1	1,600	153	147					153	147	0.096	0.092	0.096	0.092
E/B Thru	3	4,800	682	1254					682	1254	0.151	0.265		
E/B Right	-	-	42	17					42	17	0.000	0.000		
W/B Left	1	1,600	13	15					13	15	0.008	0.009		
W/B Thru	3	4,800	1163	1032					1163	1032	0.269	0.243	0.269	0.243
W/B Right	-	-	120	131			6	2	126	133	0.000	0.000		
									Sun	n Of Cri	tical V/C	:	0.491	0.506
											Lost Tir	ne:	0.100	0.100
ANALYSIS RESULTS :							Total V/C:		0.591	0.606				
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2021		
Annual Growth Factor:	1.00 Percent	Total V/C	Level Of Service
		Under 0.605	А
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Shoemaker Avenue and Imperial HighwayCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects without Project

Existing Geometric Configuration

	Avai	ilable		Peak	Ho	ur	Volum	es			Movem	ent V/C	Crit	ical
Movement	Lar	nes	Exis	sting	Cumi	ılative	Pro	ject	Stud	y Vol.	Per l	_ane	V	C
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	48	65	0	0			48	66	0.030	0.041	0.030	0.041
N/B Thru	1	1,600	24	34	0	0			24	34	0.015	0.021		
N/B Right	1	1,600	10	14	0	0			10	14	0.006	0.009		
S/B Left	1	1,600	149	218	1	5			151	225	0.095	0.141		
S/B Thru	1	1,600	30	39	0	0			30	39	0.098	0.133	0.098	0.133
S/B Right	-	-	125	171	0	0			126	173	0.000	0.000		
E/B Left	1	1,600	153	147	0	0			155	148	0.097	0.093	0.097	0.093
E/B Thru	3	4,800	682	1254	3	9			692	1276	0.153	0.269		
E/B Right	-	-	42	17	0	0			42	17	0.000	0.000		
W/B Left	1	1,600	13	15	0	0			13	15	0.008	0.009		
W/B Thru	3	4,800	1163	1032	9	4			1184	1046	0.273	0.246	0.273	0.246
W/B Right	-	-	120	131	5	2			126	134	0.000	0.000		
									Sun	n Of Cri	tical V/C	:	0.498	0.512
											Lost Tir	ne:	0.100	0.100
	ANAL	YSIS RE	SULTS	S :					Total V/C:			0.598	0.612	
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	_
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C Level C	of Service
		Under 0.605	Α
Lane Capacity		0.605 - 0.704	В
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804	С
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904	D
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004	E
		Over 1.005	F

Lost time for signal Yellow and All red intervals:	0.10 of V/C Ratio
NOTES:	

Location:Shoemaker Avenue and Imperial HighwayCity:Santa Fe SpringsProject No.CCE2021-01Analyzed By:PBLFile Name:PR1

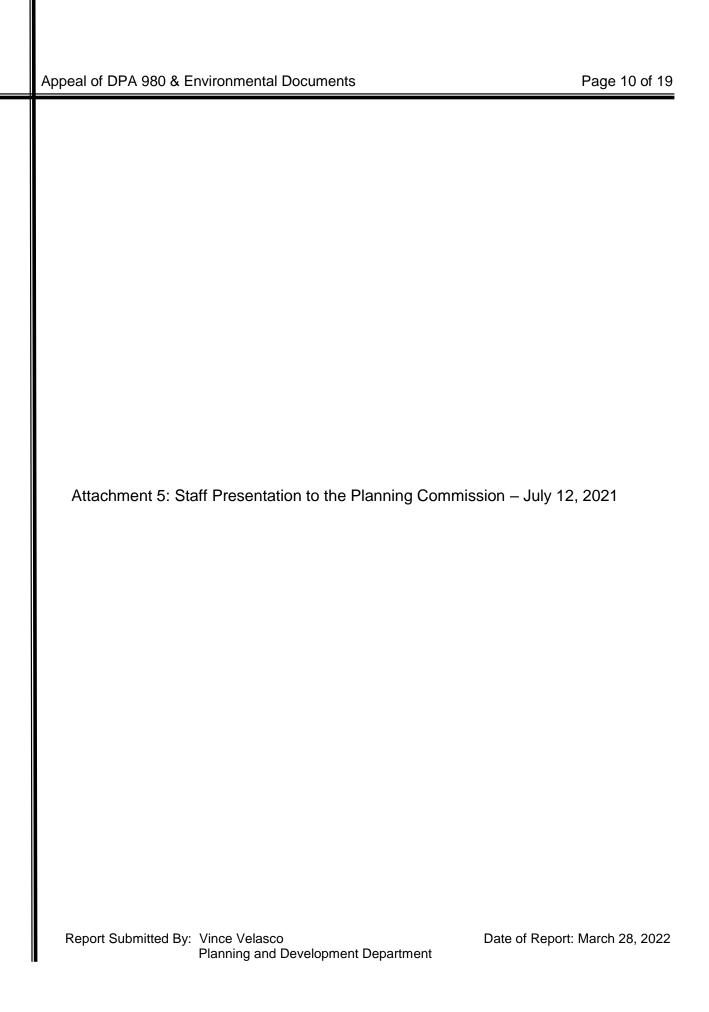
Problem Condition: Future 2022 Traffic Volumes & Cumulative Projects with Project

Existing Geometric Configuration

	Avai	ilable		Peak	Но	ur	Volum	es			Movem	ent V/C	Criti	cal
Movement	Laı	nes	Exis	ting	Cumul	ative	Proje	ect	Study	/ Vol.	Per L	ane	V/C	2
	No.	Сар.	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
N/B Left	1	1,600	48	65	-	-	-	-	48	66	0.030	0.041	0.030	0.041
N/B Thru	1	1,600	24	34	-	-	-	-	24	34	0.015	0.021		
N/B Right	1	1,600	10	14	-	-	-	-	10	14	0.006	0.009		
S/B Left	1	1,600	149	218	1	5	2	6	153	231	0.096	0.144		
S/B Thru	1	1,600	30	39	-	-	-	-	30	39	0.098	0.133	0.098	0.133
S/B Right	-	-	125	171	_	-	-	-	126	173	0.000	0.000		
E/B Left	1	1,600	153	147	-	-	-	-	155	148	0.097	0.093	0.097	0.093
E/B Thru	3	4,800	682	1254	3	9	-	-	692	1276	0.153	0.269		
E/B Right	-	-	42	17	_	_	-	-	42	17	0.000	0.000		
W/B Left	1	1,600	13	15	-	-	-	-	13	15	0.008	0.009		
W/B Thru	3	4,800	1163	1032	9	4	-	-	1184	1046	0.274	0.246	0.274	0.246
W/B Right	-	-	120	131	5	2	6	2	132	136	0.000	0.000		
									Sun	n Of Cr	itical V/C	:	0.499	0.513
											Lost Tir	ne:	0.100	0.100
	ANAL	YSIS RE	SULTS	3 :					Total V/C:			0.599	0.613	
										Level	Of Service	e:	Α	В

Existing Counts Year:	2021	LOS Definition	
Study Volume Year:	2022		
Annual Growth Factor:	1.00 Percent	Total V/C Level Of Se	rvice
		Under 0.605 A	
Lane Capacity		0.605 - 0.704 B	
Single Through Lane =	1600 Vehicles Per Hour	0.705 - 0.804 C	
Single Turn Lane =	1600 Vehicles Per Hour	0.805 - 0.904 D	
Dual Turn Lane =	2880 Vehicles Per Hour	0.905 - 1.004 E	
		Over 1.005 F	

Lost time for signal Yellow and All red Intervals.	U. 10 Of V/C Ratio	
NOTES:		



Development Plan Approval Case No. 980



11401 Greenstone Avenue

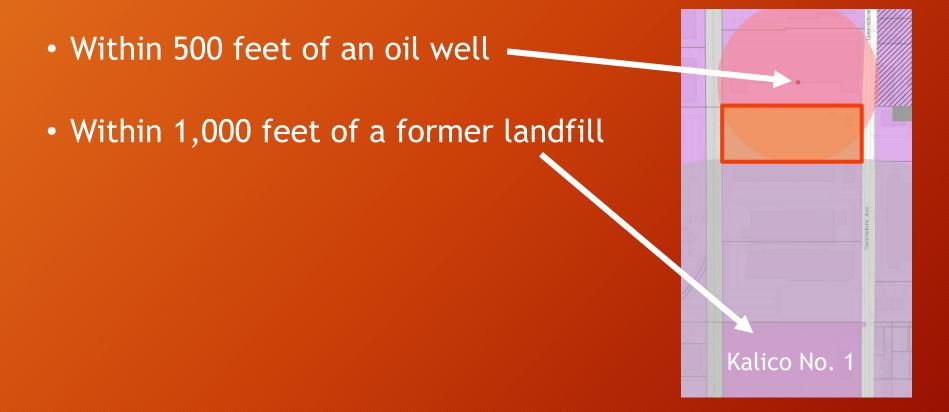
- Land Use Designation: Industrial
- Zoning: M-2 (Heavy Manufacturing)
- Applicant: Greenstone SFS, LLC

Background

- September 2004 -
 - Planning Commission approved Zone Variance Case No. 66
 - To allow an open storage yard on property greater than 1-acre.
 - For the past 17 years, the property has been leased to JB Hunt Transport, Inc. for the open storage of empty truck trailers.

Background

The subject property is located with the City's Methane Zone



Existing Conditions - 7/8/2021



Existing Conditions - 7/8/2021





Request

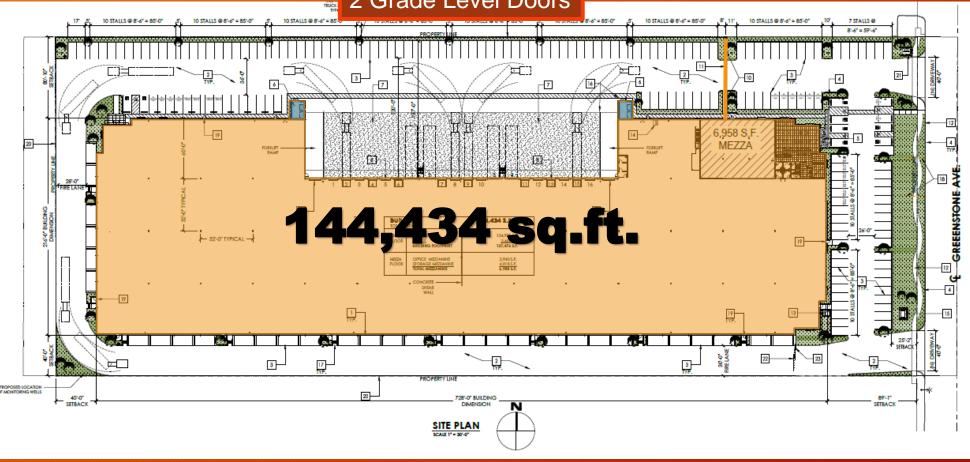
• To allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements.



Site Plan

18 Loading Doors
16 Dock High Doors
2 Grade Level Doors

14' Screen Wall 10' Sliding Gate w/ Screen



Parking (Multi-Tenant):

Required - 205 stalls

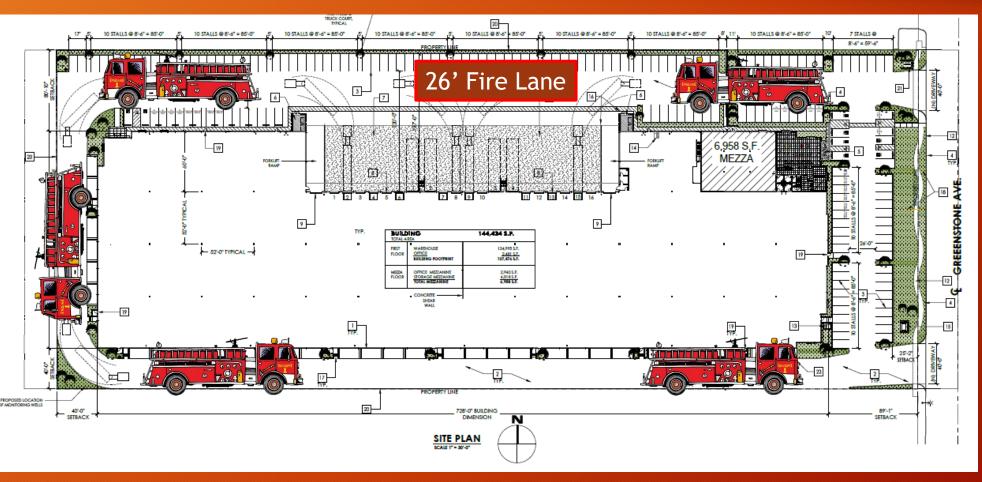
Provided - 205 stalls

Landscaping:

Required - 12,145 sq.ft.

Provided - 17,425 sq.ft.

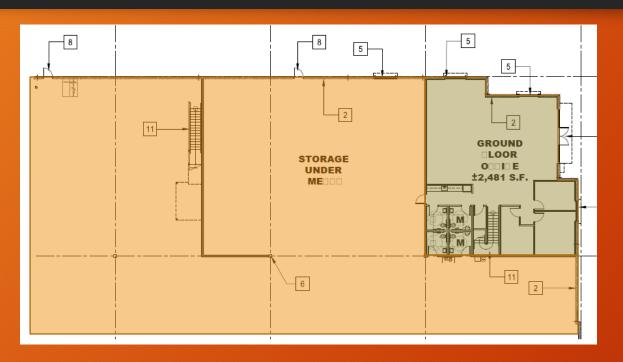
Driveways and Circulation





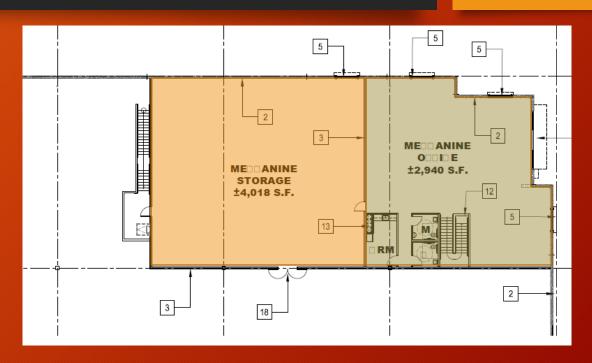


Floor Plan



FIRST FLOOR:

WAREHOUSE – 134,995 SQ. FT. OFFICE – 2,481 SQ. FT.



MEZZANINE:

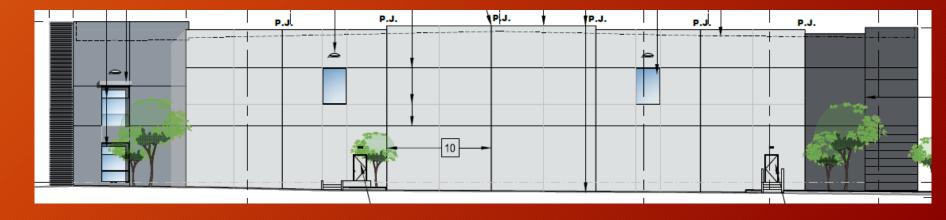
STORAGE – 4,018 **SQ. FT. OFFICE** – 2,940 **SQ. FT.**

Elevations

East

West





Elevations

North



South



Rendering

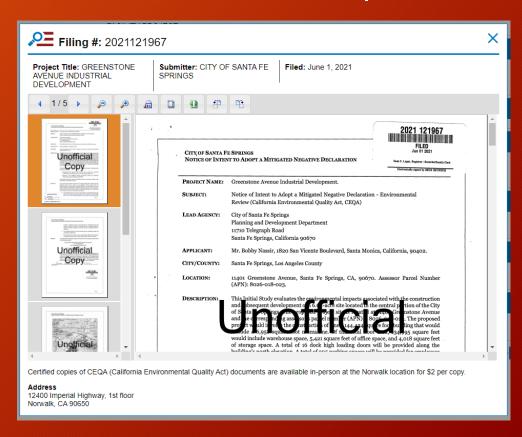


Environmental Review (CEQA)

- One environmental document was prepared for the project (DPA 980).
- IS/MND prepared by Blodgett / Baylosis Environmental Planning.
- Total of 4 proposed mitigation measures.
 - Cultural Resources, Hazardous Materials, and Tribal Cultural Resources.
- Mitigation Monitoring and Reporting Program (MMRP) was prepared.
- Emailed to Commissioners on 6/7/2021.
- Traffic Impact Analysis prepared by Crown City Engineers, Inc.

Environmental Review (CEQA)

- IS/MND circulated for required 20-day public review and comment period.
- June 1, 2021 through June 21, 2021.
- No comments/inquiries received to date.



Environmental Review (CEQA) - Traffic

- Traffic Impact Study prepared by Crown City Engineers, Inc.
- Studied 6 key signalized intersections in the general vicinity.
- The average weekday net new peak hour passenger car equivalent (PCE) trips will be approximately 33 PCE trips during the AM peak hour (25 inbound and 8 outbound), and 36 PCE trips during the PM peak hour (10 inbound and 26 outbound).
- Based on the results of the traffic impact analysis, the proposed Greenstone
 Warehouse project would not significantly impact any of the key intersections
 analyzed in the surrounding roadway system.
- Per City's records, there are six (6) other related projects located within the one and one half mile radius of the project that will contribute to cumulative traffic volumes with the development of this project.

Public Hearing Notice

<u>Mailed:</u> June 30, 2021

FILE COPY



CITY OF SANTA FE SPRINGS NOTICE OF PUBLIC HEARING

DEVELOPMENT PLAN APPROVAL CASE NO. 980 NOTICE IS HEREBY GIVEN that the Planning Commission of the City of Santa Fe Springs will hold a Public Hearing to consider the following:

"A great place to live, work, and play"

DEVELOPMENT PLAN APPROVAL CASE NO. 980 - A request for approval to allow the construction of a new ± 144,434 sq. ft. concrete tilt-up industrial building and related

PROJECT SITE: The project site is located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone.

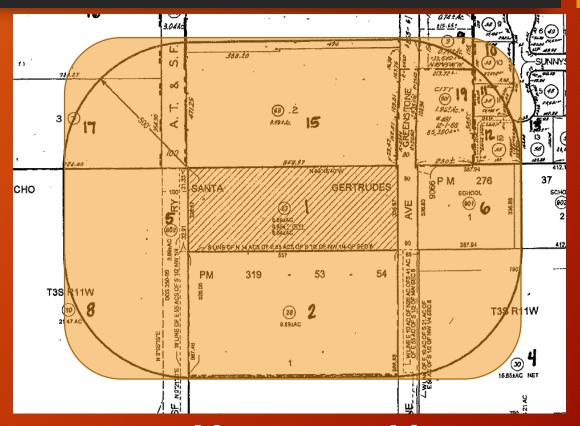
APPLICANT: Bobby Nassir, Greenstone SFS, LLC

THE HEARING will be held before the Planning Commission of the City of Santa Fe Springs in the Council Chambers of the City Hall, 11710 Telegraph Road, Santa Fe Springs, on Monday, July 12, 2021 at 6:00 p.m.

CEQA STATUS: Upon review of the proposed project, staff has determined that additional environmental analysis is required to meet the requirements of the California Environmental Quality Act (CEQA). The applicant has since retained Marc Blodgett of Blodgett Baylosis Environmental Planning and Crown City Engineers to prepare the necessary Initial Study/Mitigated Negative Declaration and associated Traffic Study. The draft CEQA documents are finalized and an NOI (Notice of Intent) to adopt the Mitigated Negative Declaration was posted in the LA County Recorder's Office to initiate the mandatory 20-day public review period on June 1, 2021. Additionally, the project site is not listed on the Hazardous Waste and Substance Site List (Cortese List) as set forth in Government Code Section 65962.5.

ALL INTERESTED PERSONS are invited to attend the Public Hearing before the Planning Commission and express their opinion on the subject item(s) listed above. It should be noted that if you challenge the afore-mentioned item(s) in court, you may be limited to raising only those issues you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the office of the Commission at, or prior to, the Public Hearing.

> John M. Mora Mayor *Annette Rodriguez, Mayor Pro Tem City Council Jay Sarno • Juanita Trujillo • Joe Angel Zamora City Manager Raymond R. Cruz



Also posted in: City Hall, TCH, & Library

Public Hearing Notice

Whittier Daily News

Published in local newspaper:
July 1, 2021

Advertising Order Confirmation

Ad Number 0011472797-01 Ad Size 4 X 74 I i Color

Produc

External Ad Number

Pick Up

Ad Typ Legal L

CITY OF SANTA FE SPRINGS NOTICE OF PUBLIC HEARING DEVELOPMENT PLAN APPROVAL CASE NO. 980

NOTICE IS HEREBY GIVEN that the Planning Commission of the City of Santa Fe Springs will hold a Public Hearing to consider the following:

DEVELOPMENT PLAN APPROVAL CASE NO. 980 - A request for approval to allow the construction of a new ± 144,434 sq. ft. concrete tilt-up industrial building and related improvements.

PROJECT SITE: The project site is located at 11401 Greenstone Avenue (APN: 8026-018-023) within the M-2, Heavy Manufacturing, Zone.

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FURTHER INFORMATION on this item may be obtained at the City of Santa Fe Springs Planning Department, 11710 Telegraph Road, Santa Fe Springs, California 90670 or by telephone or e-mail: (562) 868-0511, extension 7353, vincevelasco@santafesprings.org.

Wayne M. Morrell Director of Planning City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670

Published: July 1, 2021

Whittier Daily News

Ad#11472797

<u>Product</u>

Requested Placement

Reques

SGV Newspapers:Full Run

Legals CLS

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Public Hearing Notice - Comment Received

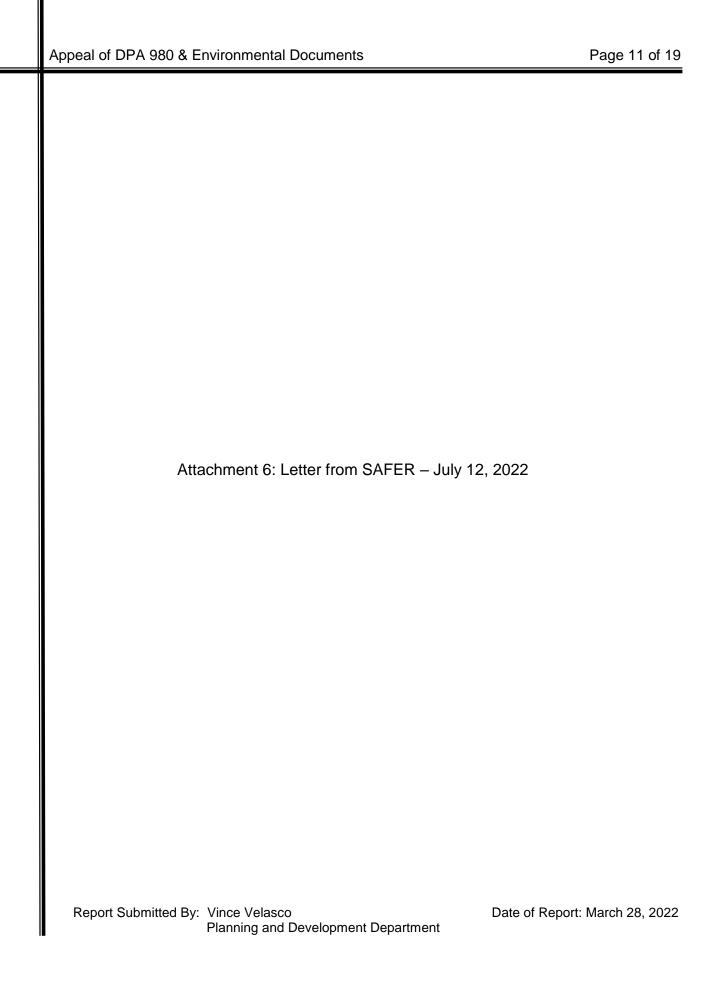
- This morning (7/12/21), Staff received an email from Supporters Alliance for Environmental Responsibility (SAFER) regarding the proposed development.
- Our environmental consultant has provided a response to their statements.

Considerations

- Meets the criteria set forth in Section §155.739 of the Zoning Regulations for the granting of a Development Plan Approval.
- The project involves the construction of a new attractive industrial building on a site that is currently underutilized and developed with a modular office building for a truck trailer storage facility.
- The design of the new concrete tilt-up industrial building provides quality architectural design, as demonstrated by glazing, pop-outs, and variations in height, materials, and color.

Staff Recommendations

- Approve and adopt the proposed environmental documents
 - IS/Mitigated Negative Declaration (IS/MND); and
 - Mitigation Monitoring and reporting Program (MMRP).
- Approve DPA 980
 - Subject to the conditions as stated within the attached Resolutions.
- Adopt Resolution No. 190-2021, which incorporates the Planning Commission's findings and actions regarding this matter.



Attachment No. 6



T 510.836.4200 F 510.836.4205 1939 Harrison Street, Ste. 150 Oakland, CA 94612 www.lozeaudrury.com richard@lozeaudrury.com

VIA EMAIL AND OVERNIGHT MAIL

July 12, 2021

Ken Arnold, Chairperson
And Honorable Commissioners
Planning Commission
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670
planning@santafesprings.org

Vince Velasco, Associate Planner Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 vincevelasco@santafesprings.org Wayne M. Morrell, Director Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 waynemorrell@santafesprings.org

Janet Martinez, CMC, City Clerk
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670
JanetMartinez@santafesprings.org

Re: CEQA and Land Use Notice Request for DPA 980 (Industrial Building at 11401 Greenstone Avenue)

Dear Chairperson Arnold, Planning Commissioners, Mr. Velasco, Mr. Morrell, and Ms. Martinez,

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 137,000 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project"). The City of Santa Fe Springs ("City") has prepared a mitigated negative declaration ("MND") for the Project. We request that the City prepare an environmental impact report ("EIR") for the Project because there is a fair argument that the Project may have adverse environmental impacts.

A. Failure to Provide Notice

On April 1, 2021, we send a written notice request letter requesting notice of any document released pursuant to the California Environmental Quality Act ("CEQA"), including any MND, EIR or CEQA exemption. (Exhibit A). The April 2 request was filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government

Code Section 65092, which require local agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body. The City released an MND for the Project on May 21, 2021, but it appears from our records that the City failed to provide us with notice of the MND. As a result, we were denied our right to have at least 20-days to review and comments on the MND. We therefore request that the City continue the Planning Commission hearing for at least 20-days to allow us the right to review and comment on the MND. We reserve the right to file a petition for writ of mandate against the City seeking a writ of mandate to require the City to comply with CEQA's notice requirements.

B. There is a Fair Argument that the Project May Have Adverse Environmental Impacts.

1. Legal Standard.

As the Supreme Court held, "If no EIR has been prepared for a nonexempt project, but substantial evidence in the record supports a fair argument that the project may result in significant adverse impacts, the proper remedy is to order preparation of an EIR." (Communities for a Better Environment v. South Coast Air Quality Management Dist. (ConocoPhillips) (2010) 48 Cal. 4th 310, 319-320 ("CBE v. SCAQMD"), citing, No Oil, Inc. v. City of Los Angeles, 13 Cal.3d at pp. 75, 88; Brentwood Assn. for No Drilling, Inc. v. City of Los Angeles (1982) 134 Cal. App. 3d 491, 504–505) "The 'foremost principle' in interpreting CEQA is that the Legislature intended the act to be read so as to afford the fullest possible protection to the environment within the reasonable scope of the statutory language." (Communities for a Better Environment v. Calif. Resources Agency (2002) 103 Cal. App. 4th 98, 109.)

The EIR is the very heart of CEQA. (Bakersfield Citizens for Local Control v. City of Bakersfield (2004) 124 Cal. App. 4th 1214; Pocket Protectors v. City of Sacramento (2004) 124 Cal. App. 4th 903, 927) The EIR is an "environmental 'alarm bell' whose purpose is to alert the public and its responsible officials to environmental changes before they have reached the ecological points of no return." Bakersfield Citizens, 124 Cal. App. 4th at 1220. The EIR also functions as a "document of accountability," intended to "demonstrate to an apprehensive citizenry that the agency has, in fact, analyzed and considered the ecological implications of its action." Laurel Heights Improvements Assn. v. Regents of University of California (1988) 47 Cal. 3d 376, 392. The EIR process "protects not only the environment but also informed self-government." Pocket Protectors, 124 Cal. App. 4th 927.

An EIR is required if "there is substantial evidence, in light of the whole record before the lead agency, that the project may have a significant effect on the environment." Pub. Res. Code § 21080(d) (emphasis added); see also *Pocket Protectors*, 124 Cal.App.4th at 927. In very limited circumstances, an agency may avoid preparing an EIR by issuing a negative declaration, a written statement briefly indicating that a project will have no significant impact thus requiring no EIR (CEQA

Guidelines § 15371), only if there is not even a "fair argument" that the project will have a significant environmental effect. Pub. Res. Code §§ 21100, 21064. Since "[t]he adoption of a negative declaration . . . has a terminal effect on the environmental review process," by allowing the agency "to dispense with the duty [to prepare an EIR]," negative declarations are allowed only in cases where "the proposed project will not affect the environment at all." *Citizens of Lake Murray v. San Diego*, 129 Cal.App.3d 436, 440 (1989). CEQA contains a "preference for resolving doubts in favor of environmental review." Pocket Protectors, 124 Cal.App.4th at 927 (emphasis in original).

2. There is a Fair Argument that the Project May Have Significant Greenhouse Gas Impacts.

There is a fair argument that the Project will have adverse air quality impacts. The Bay Area Air Quality Management District ("BAAQMD") has adopted CEQA screening thresholds. (Exhibit B). Although this Project is located within the South Coast Air Quality Management District ("SCAQMD"), the thresholds of the two agencies and similar and SCAQMD has not adopted similar screening thresholds. Therefore, the exceedance of the BAAQMD thresholds establishes a "fair argument" that the Project will also exceed SCAQMD thresholds. The BAAQMD thresholds provide that an industrial building of over 121,000 square feet may have significant greenhouse gas ("GHG") impacts. The Project is137,000 square feet, and therefore exceeds this screening threshold. Therefore, there is a fair argument that the Project will have significant GHG impacts that should be analyzed and mitigated in an EIR. Feasible mitigation measures may include installation of solar panels, energy efficiency measures that exceed Title 24 requirements, requirements for electrified forklifts, trucks and other equipment, and many other measures, including measures suggested by the California Attorney General. (Exhibit C).

3. The MND's Analysis of Energy Impacts is Conclusory and Fails to Provide Substantial Evidence that the Project's Energy Impacts will be less than Significant.

The MND devoted less than two pages to its energy analysis. (MND, pp. 44-45.) The MND relies on the Project's compliance with Title 24 regulations to conclude that the impact is less than significant. However, compliance with existing standards does not provide substantial evidence that the Project's energy impacts are less than significant.

The standard under CEQA is whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources. Failing to undertake "an investigation into renewable energy options that might be available or appropriate for a project" violates CEQA. (*California Clean Energy Committee v. City of Woodland* (2014) 225 Cal.App.4th 173, 213.) Energy conservation under CEQA is defined as the "wise and efficient use of energy." (CEQA Guidelines, app. F, § I.) The "wise and efficient use

of energy" is achieved by "(1) decreasing overall per capita energy consumption, (2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and (3) increasing reliance on renewable energy resources." (*Id.*)

Simply requiring compliance with the California Building Energy Efficiency Standards (Cal.Code Regs., tit. 24, part 6 (Title 24) does not constitute an adequate analysis of energy. (*Ukiah Citizens for Safety First v. City of Ukiah* (2016) 248 Cal.App.4th 256, 264-65 (*Ukiah Citizens*).) Similarly, the court in *City of Woodland* held unlawful an energy analysis that relied on compliance with Title 24, that failed to assess transportation energy impacts, and that failed to address renewable energy impacts. (*City of Woodland, supra,* 225 Cal.App.4th at pp. 209-13.) As such, the MND's reliance on Title 24 compliance does not satisfy the requirements for an adequate discussion of the Project's energy impacts.

The MND summarily concludes that the Project would not result in the inefficient, wasteful and unnecessary consumption of energy. There is no discussion of the Project's cost effectiveness in terms of energy requirements. There is no discussion of energy consuming equipment and processes that will be used during the construction or operation of the Project, including the energy necessary to power construction equipment, forklifts, heating, cooling, truck refrigeration units, etc. The Project's energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, and maintenance were not identified. The effect of the Project on peak and base period demands for electricity has not been addressed. As such, the MND's conclusions are unsupported by the necessary discussions of the Project's energy impacts under CEQA.

C. CONCLUSION

For the foregoing reasons, SAFER requests that the City continue the Planning Commission hearing for at least 20-days to provide the legally required public comment period. We also request that the City prepare an environmental impact report ("EIR") to analyze and mitigate the Project's significant adverse environmental impacts. Thank you.

Sincerely,

Richard Drury Lozeau | Drury LLP

EXHIBIT A



VIA EMAIL

April 1, 2021

Vince Velasco, Associate Planner Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 vincevelasco@santafesprings.org

Janet Martinez, CMC, City Clerk City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 JanetMartinez@santafesprings.org Wayne M. Morrell, Director Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 waynemorrell@santafesprings.org

Re: CEQA and Land Use Notice Request for DPA 980 (Industrial Building at 11401 Greenstone Avenue)

Dear Mr. Velasco, Mr. Morrell, and Ms. Martinez,

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 137,000 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project").

We hereby request that the City of Santa Fe Springs ("City") send by electronic mail, if possible or U.S. mail to our firm at the address below notice of any and all actions or hearings related to activities undertaken, authorized, approved, permitted, licensed, or certified by the City and any of its subdivisions, and/or supported, in whole or in part, through contracts, grants, subsidies, loans or other forms of assistance from the City, including, but not limited to the following:

- Notice of any public hearing in connection with the Project as required by California Planning and Zoning Law pursuant to Government Code Section 65091.
- Any and all notices prepared for the Project pursuant to the California Environmental Quality Act ("CEQA"), including, but not limited to:
 - Notices of any public hearing held pursuant to CEOA.
 - Notices of determination that an Environmental Impact Report ("EIR") is required for the Project, prepared pursuant to Public Resources Code Section 21080.4.
 - Notices of any scoping meeting held pursuant to Public Resources Code Section 21083.9.
 - Notices of preparation of an EIR or a negative declaration for the Project, prepared pursuant to Public Resources Code Section 21092.

- Notices of availability of an EIR or a negative declaration for the Project, prepared pursuant to Public Resources Code Section 21152 and Section 15087 of Title 14 of the California Code of Regulations.
- Notices of approval and/or determination to carry out the Project, prepared pursuant to Public Resources Code Section 21152 or any other provision of law.
- Notices of any addenda prepared to a previously certified or approved EIR.
- Notices of approval or certification of any EIR or negative declaration, prepared pursuant to Public Resources Code Section 21152 or any other provision of law.
- Notices of determination that the Project is exempt from CEQA, prepared pursuant to Public Resources Code section 21152 or any other provision of law.
- Notice of any Final EIR prepared pursuant to CEQA.
- Notice of determination, prepared pursuant to Public Resources Code Section 21108 or Section 21152.

Please note that we are requesting notices of CEQA actions and notices of any public hearings to be held under any provision of Title 7 of the California Government Code governing California Planning and Zoning Law. This request is filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government Code Section 65092, which require local counties to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

Please send notice by electronic mail or U.S. Mail to:

Richard Drury
Komalpreet Toor
Stacey Oborne
Lozeau Drury LLP
1939 Harrison Street, Suite 150
Oakland, CA 94612
richard@lozeaudrury.com
komal@lozeaudrury.com
stacey@lozeaudrury.com

Please call if you have any questions. Thank you for your attention to this matter.

Sincerely,

Stacey Oborne Lozeau | Drury LLP

EXHIBIT B



3. SCREENING CRITERIA

The screening criteria identified in this section are **not thresholds of significance**. The Air District developed screening criteria to provide lead agencies and project applicants with a conservative indication of whether the proposed project could result in potentially significant air quality impacts. If all of the screening criteria are met by a proposed project, then the lead agency or applicant would not need to perform a detailed air quality assessment of their project's air pollutant emissions. These screening levels are generally representative of new development on greenfield sites without any form of mitigation measures taken into consideration. In addition, the screening criteria in this section do not account for project design features, attributes, or local development requirements that could also result in lower emissions. For projects that are mixeduse, infill, and/or proximate to transit service and local services, emissions would be less than the greenfield type project that these screening criteria are based on.

If a project includes emissions from stationary source engines (e.g., back-up generators) and industrial sources subject to Air District Rules and Regulations, the screening criteria should not be used. The project's stationary source emissions should be analyzed separately from the land use-related indirect mobile- and area-source emissions. Stationary-source emissions are not included in the screening estimates given below and, for criteria pollutants, must be added to the indirect mobile- and area-source emissions generated by the land use development and compared to the appropriate Thresholds of Significance. Greenhouse gas emissions from permitted stationary sources should not be combined with operational emissions, but compared to a separate stationary source greenhouse gas threshold.

3.1. OPERATIONAL-RELATED IMPACTS

3.1.1. Criteria Air Pollutants and Precursors

The screening criteria developed for criteria pollutants and precursors were derived using the default assumptions used by the Urban Land Use Emissions Model (URBEMIS). If the project has sources of emissions not evaluated in the URBEMIS program the screening criteria should not be used. If the project meets the screening criteria in Table 3-1, the project would not result in the generation of operational-related criteria air pollutants and/or precursors that exceed the *Thresholds of Significance* shown in Table 2-2. Operation of the proposed project would therefore result in a less-than-significant cumulative impact to air quality from criteria air pollutant and precursor emissions.

3.1.2. Greenhouse Gases

The screening criteria developed for greenhouse gases were derived using the default emission assumptions in URBEMIS and using off-model GHG estimates for indirect emissions from electrical generation, solid waste and water conveyance. If the project has other significant sources of GHG emissions not accounted for in the methodology described above, then the screening criteria should not be used. Projects below the applicable screening criteria shown in Table 3-1 would not exceed the 1,100 MT of CO_2e/yr GHG threshold of significance for projects other than permitted stationary sources.

If a project, including stationary sources, is located in a community with an adopted qualified GHG Reduction Strategy, the project may be considered less than significant if it is consistent with the GHG Reduction Strategy. A project must demonstrate its consistency by identifying and implementing all applicable feasible measures and policies from the GHG Reduction Strategy into the project.



Table 3-1 Operational-Related Criteria Air Pollutant and Precursor Screening Level Sizes				
Land Use Type	Operational Criteria Pollutant Screening Size	Operational GHG Screening Size	Construction-Related Screening Size	
Single-family	325 du (NOX)	56 du	114 du (ROG)	
Apartment, low-rise	451 du (ROG)	78 du	240 du (ROG)	
Apartment, mid-rise	494 du (ROG)	87 du	240 du (ROG)	
Apartment, high-rise	510 du (ROG)	91 du	249 du (ROG)	
Condo/townhouse, general	451 du (ROG)	78 du	240 du (ROG)	
Condo/townhouse, high-rise	511 du (ROG)	92 du	252 du (ROG)	
Mobile home park	450 du (ROG)	82 du	114 du (ROG)	
Retirement community	487 du (ROG)	94 du	114 du (ROG)	
Congregate care facility	657 du (ROG)	143 du	240 du (ROG)	
Day-care center	53 ksf (NOX)	11 ksf	277 ksf (ROG)	
Elementary school	271 ksf (NOX)	44 ksf	277 ksf (ROG)	
Elementary school	2747 students (ROG)	_	3904 students (ROG)	
Junior high school	285 ksf (NOX)	-	277 ksf (ROG)	
Junior high school	2460 students (NOX)	46 ksf	3261 students (ROG)	
High school	311 ksf (NOX)	49 ksf	277 ksf (ROG)	
High school	2390 students (NOX)	-	3012 students (ROG)	
Junior college (2 years)	152 ksf (NOX)	28 ksf	277 ksf (ROG)	
Junior college (2 years)	2865 students (ROG)	-	3012 students (ROG)	
University/college (4 years)	1760 students (NOX)	320 students	3012 students (ROG)	
Library	78 ksf (NOX)	15 ksf	277 ksf (ROG)	
Place of worship	439 ksf (NOX)	61 ksf	277 ksf (ROG)	
City park	2613 acres (ROG)	600 acres	67 acres (PM10)	
Racquet club	291 ksf (NOX)	46 ksf	277 ksf (ROG)	
Racquetball/health	128 ksf (NOX)	24 ksf	277 ksf (ROG)	
Quality restaurant	47 ksf (NOX)	9 ksf	277 ksf (ROG)	
High turnover restaurant	33 ksf (NOX)	7 ksf	277 ksf (ROG)	
Fast food rest. w/ drive thru	6 ksf (NOX)	1 ksf	277 ksf (ROG)	
Fast food rest. w/o drive thru	8 ksf (NOX)	1 ksf	277 ksf (ROG)	
Hotel	489 rooms (NOX)	83 rooms	554 rooms (ROG)	
Motel	688 rooms (NOX)	106 rooms	554 rooms (ROG)	
Free-standing discount store	76 ksf (NOX)	15 ksf	277 ksf (ROG)	
Free-standing discount superstore	87 ksf (NOX)	17 ksf	277 ksf (ROG)	
Discount club	102 ksf (NOX)	20 ksf	277 ksf (ROG)	
Regional shopping center	99 ksf (NOX)	19 ksf	277 ksf (ROG)	
Electronic Superstore	95 ksf (NOX)	18 ksf	277 ksf (ROG)	
Home improvement superstore	142 ksf (NOX)	26 ksf	277 ksf (ROG)	
Strip mall	99 ksf (NOX)	19 ksf	277 ksf (ROG)	
Hardware/paint store	83 ksf (NOX)	16 ksf	277 ksf (ROG)	
Supermarket	42 ksf (NOX)	8 ksf	277 ksf (ROG)	
Convenience market (24 hour)	5 ksf (NOX)	1 ksf	277 ksf (ROG)	
Convenience market with gas pumps	4 ksf (NOX)	1 ksf	277 ksf (ROG)	
Bank (with drive-through)	17 ksf (NOX)	3 ksf	277 ksf (ROG)	
General office building	346 ksf (NOX)	53 ksf	277 ksf (ROG)	

Table 3-1 Operational-Related Criteria Air Pollutant and Precursor Screening Level Sizes **Operational Criteria Operational GHG** Construction-Related Land Use Type Pollutant Screening Size **Screening Size Screening Size** Office park 323 ksf (NOX) 50 ksf 277 ksf (ROG) Government office building 61 ksf (NOX) 12 ksf 277 ksf (ROG) 149 ksf (NOX) 27 ksf 277 ksf (ROG) Government (civic center) Pharmacy/drugstore w/ drive through 49 ksf (NOX) 10 ksf 277 ksf (ROG) Pharmacy/drugstore w/o drive through 48 ksf (NOX) 10 ksf 277 ksf (ROG) Medical office building 117 ksf (NOX) 277 ksf (ROG) 22 ksf 226 ksf (NOX) 277 ksf (ROG) Hospital 39 ksf Hospital 334 beds (NOX) 84 ksf 337 beds (ROG) Warehouse 864 ksf (NOX) 64 ksf 259 ksf (NOX) General light industry 541 ksf (NOX) 121 ksf 259 ksf (NOX) General light industry 72 acres (NOX) 11 acres (NOX) General light industry 1249 employees (NOX) 540 employees (NOX) General heavy industry 1899 ksf (ROG) 259 ksf (NOX) General heavy industry 281 acres (ROG) 11 acres (NOX) 553 ksf (NOX) 259 ksf (NOX) Industrial park 65 ksf Industrial park 61 acres (NOX) 11 acres (NOX) Industrial park 1154 employees (NOX) 577 employees (NOX) 992 ksf (NOX) Manufacturing 89 ksf 259 ksf (NOX)

Notes: du = dwelling units; ksf = thousand square feet; $NO_X = oxides of nitrogen$; ROG = reactive organic gases. Screening levels include indirect and area source emissions. Emissions from engines (e.g., back-up generators) and industrial sources subject to Air District Rules and Regulations embedded in the land uses are not included in the screening estimates and must be added to the above land uses.

Refer to Appendix D for support documentation.

Source: Modeled by EDAW 2009.

3.2. COMMUNITY RISK AND HAZARD IMPACTS

Please refer to Chapter 5 for discussion of screening criteria for local community risk and hazard impacts.

3.3. CARBON MONOXIDE IMPACTS

This preliminary screening methodology provides the Lead Agency with a conservative indication of whether the implementation of the proposed project would result in CO emissions that exceed the *Thresholds of Significance* shown in Table 2-3.

The proposed project would result in a less-than-significant impact to localized CO concentrations if the following screening criteria is met:

1. Project is consistent with an applicable congestion management program established by the county congestion management agency for designated roads or highways, regional transportation plan, and local congestion management agency plans.



- 2. The project traffic would not increase traffic volumes at affected intersections to more than 44,000 vehicles per hour.
- 3. The project traffic would not increase traffic volumes at affected intersections to more than 24,000 vehicles per hour where vertical and/or horizontal mixing is substantially limited (e.g., tunnel, parking garage, bridge underpass, natural or urban street canyon, below-grade roadway).

3.4. ODOR IMPACTS

Table 3-3 presents odor screening distances recommended by BAAQMD for a variety of land uses. Projects that would site a new odor source or a new receptor farther than the applicable screening distance shown in Table 3-3 from an existing receptor or odor source, respectively, would not likely result in a significant odor impact. The odor screening distances in Table 3-3 should not be used as absolute screening criteria, rather as information to consider along with the odor parameters and complaint history. Refer to *Chapter 7 Assessing and Mitigating Odor Impacts* for comprehensive guidance on significance determination.

Table 3-3 Odor Screening Distances		
Land Use/Type of Operation	Project Screening Distance	
Wastewater Treatment Plant	2 miles	
Wastewater Pumping Facilities	1 mile	
Sanitary Landfill	2 miles	
Transfer Station	1 mile	
Composting Facility	1 mile	
Petroleum Refinery	2 miles	
Asphalt Batch Plant	2 miles	
Chemical Manufacturing	2 miles	
Fiberglass Manufacturing	1 mile	
Painting/Coating Operations	1 mile	
Rendering Plant	2 miles	
Coffee Roaster	1 mile	
Food Processing Facility	1 mile	
Confined Animal Facility/Feed Lot/Dairy	1 mile	
Green Waste and Recycling Operations	1 mile	
Metal Smelting Plants	2 miles	
Refer to Appendix D for support documentation.		

Facilities that are regulated by CalRecycle (e.g. landfill, composting, etc.) are required to have Odor Impact Minimization Plans (OIMP) in place and have procedures that establish fence line odor detection thresholds. The Air District recognizes a Lead Agency's discretion under CEQA to use established odor detection thresholds as thresholds of significance for CEQA review for CalRecycle regulated facilities with an adopted OIMP.



3.5. CONSTRUCTION-RELATED IMPACTS

3.5.1. Criteria Air Pollutants and Precursors

This preliminary screening provides the Lead Agency with a conservative indication of whether the proposed project would result in the generation of construction-related criteria air pollutants and/or precursors that exceed the *Thresholds of Significance* shown in Table 2-4.

If all of the following *Screening Criteria* are met, the construction of the proposed project would result in a less-than-significant impact from criteria air pollutant and precursor emissions.

- 1. The project is below the applicable screening level size shown in Table 3-1; and
- 2. All *Basic Construction Mitigation Measures* would be included in the project design and implemented during construction; and
- 3. Construction-related activities would not include any of the following:
 - a. Demolition;
 - b. Simultaneous occurrence of more than two construction phases (e.g., paving and building construction would occur simultaneously);
 - Simultaneous construction of more than one land use type (e.g., project would develop residential and commercial uses on the same site) (not applicable to high density infill development);
 - d. Extensive site preparation (i.e., greater than default assumptions used by the Urban Land Use Emissions Model [URBEMIS] for grading, cut/fill, or earth movement); or
 - e. Extensive material transport (e.g., greater than 10,000 cubic yards of soil import/export) requiring a considerable amount of haul truck activity.

3.5.2. Community Risk and Hazards

Chapter 5, Assessing and Mitigating Local Community Risk and Hazard Impacts, contains information on screening criteria for local risk and hazards.



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EXHIBIT C

Addressing Climate Change at the Project Level California Attorney General's Office



Under the California Environmental Quality Act (CEQA), local agencies have a very important role to play in California's fight against global warming – one of the most serious environmental effects facing the State today. Local agencies can lead by example in undertaking their own projects, insuring that sustainability is considered at the earliest stages. Moreover, they can help shape private development. Where a project as proposed will have significant global warming related effects, local agencies can require feasible changes or alternatives, and impose enforceable, verifiable, feasible mitigation to substantially lessen those effects. By the sum of their actions and decisions, local agencies will help to move the State away from "business as usual" and toward a low-carbon future.

Included in this document are various measures that may reduce the global warming related impacts at the individual project level. (For more information on actions that local governments can take at the program and general plan level, please visit the Attorney General's webpage, "CEQA, Global Warming, and General Plans" at http://ag.ca.gov/globalwarming/ceqa/generalplans.php.)

As appropriate, the measures can be included as design features of a project, required as changes to the project, or imposed as mitigation (whether undertaken directly by the project proponent or funded by mitigation fees). The measures set forth in this package are examples; the list is not intended to be exhaustive. Moreover, the measures cited may not be appropriate for every project. The decision of whether to approve a project – as proposed or with required changes or mitigation – is for the local agency, exercising its informed judgment in compliance with the law and balancing a variety of public objectives.

Mitigation Measures by Category

Energy Efficiency

Incorporate green building practices and design elements.

The California Department of Housing and Community Development's Green Building & Sustainability Resources handbook provides extensive links to green building resources. The handbook is available at http://www.hcd.ca.gov/hpd/green build.pdf.

The American Institute of Architects (AIA) has compiled fifty readily available strategies for reducing fossil fuel use in buildings by fifty percent. AIA "50 to 50" plan is presented in both guidebook and wiki format at http://wiki.aia.org/Wiki%20Pages/Home.aspx.

Meet recognized green building and energy efficiency benchmarks. For example, an ENERGY STAR-qualified building uses less energy, is less expensive to operate, and causes fewer greenhouse gas emissions than comparable, conventional buildings.

http://www.energystar.gov/index.cfm?c=business.bus index.

California has over 1600 ENERGY STAR-qualified school, commercial and industrial buildings. View U.S. EPA's list of Energy Star non-residential buildings at

http://www.energystar.gov/index.cfm?fuseaction=labeled_buildings.loc ator. Los Angeles and San Francisco top the list of U.S. cities with the most ENERGY STAR non-residential buildings.

http://www.energystar.gov/ia/business/downloads/2008_Top_25_cities_chart.pdf.

Qualified ENERGY STAR homes must surpass the state's Title 24 energy efficiency building code by at least 15%. Los Angeles, Sacramento, San Diego, and San Francisco-Oakland are among the top 20 markets for ENERGY STAR homes nationwide.

http://www.energystar.gov/ia/new homes/mil homes/top 20 markets. html. Builders of ENERGY STAR homes can be more competitive in a tight market by providing a higher quality, more desirable product. See http://www.energystar.gov/ia/partners/manuf_res/Horton.pdf.

There are a variety of private and non-profit green building certification programs in use in the U.S. See U.S. EPA's Green Building / Frequently Asked Questions website, http://www.epa.gov/greenbuilding/pubs/faqs.htm.

Public-Private Partnership for Advancing Housing Technology maintains a list of national and state Green Building Certification Programs for housing. See http://www.pathnet.org/sp.asp?id=20978. These include the national Leadership in Energy and Environmental Design (LEED) program, and, at the state level, Build it Green's GreenPoint Rated system and the California Green Builder program.

Other organizations may provide other relevant benchmarks.

Install energy efficient lighting (e.g., light emitting diodes (LEDs)), heating and cooling systems, appliances, equipment, and control systems.

Information about ENERGY STAR-certified products in over 60 categories is available at http://www.energystar.gov/index.cfm?fuseaction=find a product.

The California Energy Commission maintains a database of all appliances meeting either federal efficiency standards or, where there are no federal efficiency standards, California's appliance efficiency standards. See http://www.appliances.energy.ca.gov/.

The Electronic Product Environmental Assessment Tool (EPEAT) ranks computer products based on a set of environmental criteria, including energy efficiency. See http://www.epeat.net/AboutEPEAT.aspx.

The nonprofit American Council for an Energy Efficient Economy maintains an Online Guide to Energy Efficient Commercial Equipment, available at http://www.aceee.org/ogeece/ch1 index.htm.

Utilities offer many incentives for efficient appliances, lighting, heating and cooling. To search for available residential and commercial incentives, visit Flex Your Power's website at http://www.fypower.org/.

Use passive solar See U.S. Department of Energy, Passive Solar Design (website) design, e.g., orient http://www.energysavers.gov/your_home/designing_remodeling/index.cfm/myt buildings and opic=10250. incorporate landscaping to maximize passive See also California Energy Commission, Consumer Energy Center, Passive solar heating during Solar Design (website) http://www.consumerenergycenter.org/home/construction/solardesign/index.ht cool seasons, minimize solar heat gain during ml. hot seasons, and enhance natural Lawrence Berkeley National Laboratories' Building Technologies Department ventilation. Design is working to develop innovative building construction and design techniques. buildings to take Information and publications on energy efficient buildings, including lighting, advantage of sunlight. windows, and daylighting strategies, are available at the Department's website at http://btech.lbl.gov. Install light colored A white or light colored roof can reduce surface temperatures by up to 100 "cool" roofs and cool degrees Fahrenheit, which also reduces the heat transferred into the building pavements. below. This can reduce the building's cooling costs, save energy and reduce associated greenhouse gas emissions, and extend the life of the roof. Cool roofs can also reduce the temperature of surrounding areas, which can improve local air quality. See California Energy Commission, Consumer Energy Center, Cool Roofs (webpage) at http://www.consumerenergycenter.org/coolroof/ See also Lawrence Berkeley National Laboratories, Heat Island Group (webpage) at http://eetd.lbl.gov/HeatIsland/. Install efficient lighting, LED lighting is substantially more energy efficient than conventional lighting (including LEDs) for and can save money. See traffic, street and other http://www.energy.ca.gov/efficiency/partnership/case_studies/TechAsstCity.pdf (noting that installing LED traffic signals saved the City of Westlake about outdoor lighting. \$34,000 per year). As of 2005, only about a quarter of California's cities and counties were using 100% LEDs in traffic signals. See California Energy Commission (CEC), Light Emitting Diode Traffic Signal Survey (2005) at p. 15, available at http://www.energy.ca.gov/2005publications/CEC 400 2005 003/CEC 400 2005 003.PDF. The California Energy Commission's Energy Partnership Program can help local governments take advantage of energy saving technology, including, but not limited to, LED traffic signals. See http://www.energy.ca.gov/efficiency/partnership/. See California Energy Commission, Reduction of Outdoor Lighting (webpage) Reduce unnecessary outdoor lighting. at http://www.energy.ca.gov/efficiency/lighting/outdoor_reduction.html.

Use automatic covers, efficient pumps and motors, and solar heating for pools and spas.

During the summer, a traditional backyard California pool can use enough energy to power an entire home for three months. Efficiency measures can substantially reduce this waste of energy and money. See California Energy Commission, Consumer Energy Center, Pools and Spas (webpage) at http://www.consumerenergycenter.org/home/outside/pools_spas.html.

See also Sacramento Municipal Utilities District, Pool and Spa Efficiency Program (webpage) at http://www.smud.org/en/residential/saving-energy/Pages/poolspa.aspx.

Provide education on energy efficiency to residents, customers and/or tenants. Many cities and counties provide energy efficiency education. See, for example, the City of Stockton's Energy Efficiency website at http://www.greencountysb.com at pp. 4-6.

Businesses and development projects may also provide education. For example, a homeowners' association (HOA) could provide information to residents on energy-efficient mortgages and energy saving measures. See The Villas of Calvera Hills, Easy Energy Saving Tips to Help Save Electricity at http://www.thevillashoa.org/green/energy/. An HOA might also consider providing energy audits to its residents on a regular basis.

Renewable Energy and Energy Storage

Meet "reach" goals for building energy efficiency and renewable energy use. A "zero net energy" building combines building energy efficiency and renewable energy generation so that, on an annual basis, any purchases of electricity or natural gas are offset by clean, renewable energy generation, either on-site or nearby. Both the California Energy Commission (CEC) and the California Public Utilities Commission (CPUC) have stated that residential buildings should be zero net energy by 2020, and commercial buildings by 2030. See CEC, 2009 Integrated Energy Policy Report (Dec. 2009) at p. 226, available at http://www.energy.ca.gov/2009publications/CEC-100-2009-003/CEC-100-2009-003-CMF.PDF; CPUC, Long Term Energy Efficiency Strategic Plan (Sept. 2008), available at http://www.cpuc.ca.gov/PUC/energy/Energy+Efficiency/eesp/.

Install solar, wind, and geothermal power systems and solar hot water heaters.

The California Public Utilities Commission (CPUC) approved the California Solar Initiative on January 12, 2006. The initiative creates a \$3.3 billion, tenyear program to install solar panels on one million roofs in the State. Visit the one-stop GoSolar website at http://www.gosolarcalifornia.org/. As mitigation, a developer could, for example, agree to participate in the New Solar Homes program. See http://www.gosolarcalifornia.org/builders/index.html.

The CPUC is in the process of establishing a program to provide solar water heating incentives under the California Solar Initiative. For more information, visit the CPUC's website at http://www.cpuc.ca.gov/puc/energy/solar/swh.htm.

To search for available residential and commercial renewable energy incentives, visit Flex Your Power's website at http://www.fypower.org/.

In 2008 Southern California Edison (SCE) launched the nation's largest Install solar panels on unused roof and ground installation of photovoltaic power generation modules. The utility plans to cover 65 million square feet of unused commercial rooftops with 250 megawatts of space and over carports and parking solar technology – generating enough energy to meet the needs of approximately 162,000 homes. Learn more about SCE's Solar Rooftop areas. Program at http://www.sce.com/solarleadership/solar-rooftop-program/generalfag.htm. In 2009, Walmart announced its commitment to expand the company's solar power program in California. The company plans to add solar panels on 10 to 20 additional Walmart facilities in the near term. These new systems will be in addition to the 18 solar arrays currently installed at Walmart facilities in California. See http://walmartstores.com/FactsNews/NewsRoom/9091.aspx. Alameda County has installed two solar tracking carports, each generating 250 kilowatts. By 2005, the County had installed eight photovoltaic systems totaling over 2.3 megawatts. The County is able to meet 6 percent of its electricity needs through solar power. See http://www.acgov.org/gsa/Alameda%20County%20-%20Solar%20Case%20Study.pdf. In 2007, California State University, Fresno installed at 1.1-megawatt photovoltaic (PV)-paneled parking installation. The University expects to save more than \$13 million in avoided utility costs over the project's 30-year lifespan. http://www.fresnostatenews.com/2007/11/solarwrapup2.htm. Where solar systems U.S. Department of Energy, A Homebuilder's Guide to Going Solar (brochure) cannot feasibly be (2008), available at http://www.eere.energy.gov/solar/pdfs/43076.pdf. incorporated into the project at the outset, build "solar ready" structures. Incorporate wind and Wind energy can be a valuable crop for farmers and ranchers. Wind turbines solar energy systems can generate energy to be used on-site, reducing electricity bills, or they can into agricultural projects yield lease revenues (as much as \$4000 per turbine per year). Wind turbines where appropriate. generally are compatible with rural land uses, since crops can be grown and livestock can be grazed up to the base of the turbine. See National Renewable Energy Laboratory, Wind Powering America Fact Sheet Series, Wind Energy Benefits, available at http://www.nrel.gov/docs/fy05osti/37602.pdf. Solar PV is not just for urban rooftops. For example, the Scott Brothers' dairy in San Jacinto, California, has installed a 55-kilowatt solar array on its commodity barn, with plans to do more in the coming years. See http://www.dairyherd.com/directories.asp?pgID=724&ed_id=8409 (additional California examples are included in article.)

Include energy storage where appropriate to optimize renewable energy generation systems and avoid peak energy use. See National Renewable Energy Laboratory, Energy Storage Basics (webpage) at http://www.nrel.gov/learning/eds_energy_storage.html.

California Energy Storage Alliance (webpage) at http://storagealliance.org/about.html.

Storage is not just for large, utility scale projects, but can be part of smaller industrial, commercial and residential projects. For example, Ice Storage Air Conditioning (ISAC) systems, designed for residential and nonresidential buildings, produce ice at night and use it during peak periods for cooling. See California Energy Commission, Staff Report, Ice Storage Air Conditioners, Compliance Options Application (May 2006), available at http://www.energy.ca.gov/2006publications/CEC-400-2006-006/CEC-400-2006-006-SF.PDF.

Use on-site generated biogas, including methane, in appropriate applications.

At the Hilarides Dairy in Lindsay, California, an anaerobic-lagoon digester processes the run-off of nearly 10,000 cows, generating 226,000 cubic feet of biogas per day and enough fuel to run two heavy duty trucks. This has reduced the dairy's diesel consumption by 650 gallons a day, saving the dairy money and improving local air quality. See

http://www.arb.ca.gov/newsrel/nr021109b.htm; see also Public Interest Energy Research Program, Dairy Power Production Program, Dairy Methane Digester System, 90-Day Evaluation Report, Eden Vale Dairy (Dec. 2006) at http://www.energy.ca.gov/2006publications/CEC 500 2006 083/CEC 500 2000 083/CEC 500 2000 083/CEC 500 2000 083/CEC 500

Landfill gas is a current and potential source of substantial energy in California. See Tom Frankiewicz, Program Manager, U.S. EPA Landfill Methane Outreach Program, Landfill Gas Energy Potential in California, available at

http://www.energy.ca.gov/2009_energypolicy/documents/2009-04-21_workshop/presentations/05-SCS_Engineers_Presentation.pdf.

There are many current and emerging technologies for converting landfill methane that would otherwise be released as a greenhouse gas into clean energy. See California Integrated Waste Management Board, Emerging Technologies, Landfill Gas-to-Energy (webpage) at http://www.ciwmb.ca.gov/LEACentral/TechServices/EmergingTech/default.htm.

Use combined heat and power (CHP) in appropriate applications.

Many commercial, industrial, and campus-type facilities (such as hospitals, universities and prisons) use fuel to produce steam and heat for their own operations and processes. Unless captured, much of this heat is wasted. CHP captures waste heat and re-uses it, e.g., for residential or commercial space heating or to generate electricity. See U.S. EPA, Catalog of CHP Technologies at

http://www.epa.gov/chp/documents/catalog of %20chp tech entire.pdf and California Energy Commission, Distributed Energy Resource Guide, Combined Heat and Power (webpage) at

http://www.energy.ca.gov/distgen/equipment/chp/chp.html.

The average efficiency of fossil-fueled power plants in the United States is 33 percent. By using waste heat recovery technology, CHP systems typically achieve total system efficiencies of 60 to 80 percent. CHP can also substantially reduce emissions of carbon dioxide. http://www.epa.gov/chp/basic/efficiency.html.

Currently, CHP in California has a capacity of over 9 million kilowatts. See list of California CHP facilities at http://www.eea-inc.com/chpdata/States/CA.html.

The Waste Heat and Carbon Emissions Reduction Act (Assembly Bill 1613 (2007), amended by Assembly Bill 2791 (2008)) is designed to encourage the development of new CHP systems in California with a generating capacity of not more than 20 megawatts. Among other things, the Act requires the California Public Utilities Commission to establish (1) a standard tariff allowing CHP generators to sell electricity for delivery to the grid and (2) a "pay as you save" pilot program requiring electricity corporations to finance the installation of qualifying CHP systems by nonprofit and government entities. For more information, see http://www.energy.ca.gov/wasteheat/.

Water Conservation and Efficiency

Incorporate water-		
reducing features into		
building and landscape		
design.		

According to the California Energy Commission, water-related energy use — which includes conveyance, storage, treatment, distribution, wastewater collection, treatment, and discharge — consumes about 19 percent of the State's electricity, 30 percent of its natural gas, and 88 billion gallons of diesel fuel every year. See http://www.energy.ca.gov/2007publications/CEC 999 2007 008/CEC 999 2007 008.PDF. Reducing water use and improving water efficiency can help reduce energy use and greenhouse gas emissions.

Create water-efficient landscapes.

The California Department of Water Resources' updated Model Water Efficient Landscape Ordinance (Sept. 2009) is available at http://www.water.ca.gov/wateruseefficiency/landscapeordinance/technical.cfm.

A landscape can be designed from the beginning to use little or no water, and to generate little or no waste. See California Integrated Waste Management Board, Xeriscaping (webpage) at

http://www.ciwmb.ca.gov/organics/Xeriscaping/.

Install water-efficient U.S. Department of Energy, Best Management Practice: Water-Efficient irrigation systems and Irrigation (webpage) at devices, such as soil http://www1.eere.energy.gov/femp/program/waterefficiency_bmp5.html. moisture-based irrigation controls and California Department of Water Resources, Landscape Water Use Efficiency use water-efficient (webpage) at http://www.water.ca.gov/wateruseefficiency/landscape/. irrigation methods. Pacific Institute, More with Less: Agricultural Water Conservation and Efficiency in California (2008), available at http://www.pacinst.org/reports/more with less delta/index.htm. Make effective use of California Building Standards Commission, 2008 California Green Building graywater. (Graywater Standards Code, Section 604, pp. 31-32, available at is untreated household http://www.documents.dgs.ca.gov/bsc/2009/part11_2008_calgreen_code.pdf. waste water from California Department of Water Resources, Dual Plumbing Code (webpage) at bathtubs, showers. http://www.water.ca.gov/recycling/DualPlumbingCode/. bathroom wash basins, and water from clothes washing machines. See also Ahwahnee Water Principles, Principle 6, at Graywater to be used http://www.lgc.org/ahwahnee/h2o_principles.html. The Ahwahnee Water Principles have been adopted by City of Willits, Town of Windsor, Menlo Park, for landscape irrigation.) Morgan Hill, Palo Alto, Petaluma, Port Hueneme, Richmond, Rohnert Park, Rolling Hills Estates, San Luis Obispo, Santa Paula, Santa Rosa, City of Sunnyvale, City of Ukiah, Ventura, Marin County, Marin Municipal Water District, and Ventura County. Implement low-impact Retaining storm water runoff on-site can drastically reduce the need for development practices energy-intensive imported water at the site. See U.S. EPA, Low Impact that maintain the Development (webpage) at http://www.epa.gov/nps/lid/. existing hydrology of Office of Environmental Health Hazard Assessment and the California Water the site to manage storm water and protect and Land Use Partnership, Low Impact Development at the environment. http://www.coastal.ca.gov/nps/lid-factsheet.pdf. The strategy may include many of the specific items listed above, plus other Devise a comprehensive water innovative measures that are appropriate to the specific project. conservation strategy appropriate for the project and location. Design buildings to be Department of General Services, Best Practices Manual, Water-Efficient water-efficient. Install Fixtures and Appliances (website) at http://www.green.ca.gov/EPP/building/SaveH2O.htm. water-efficient fixtures and appliances. Many ENERGY STAR products have achieved their certification because of water efficiency. See California Energy Commission's database, available at http://www.appliances.energy.ca.gov/.

Offset water demand from new projects so that there is no net increase in water use.	For example, the City of Lompoc has a policy requiring new development to offset new water demand with savings from existing water users. See http://www.cityoflompoc.com/utilities/pdf/2005_uwmp_final.pdf at p. 29.
Provide education about water conservation and available programs and incentives.	See, for example, the City of Santa Cruz, Water Conservation Office at http://www.ci.santa-cruz.ca.us/index.aspx?page=395 ; Santa Clara Valley Water District, Water Conservation at http://www.valleywater.org/conservation/index.shtm ; and Metropolitan Water District and the Family of Southern California Water Agencies, Be Water Wise at http://www.bewaterwise.com . Private projects may provide or fund similar education.

Solid Waste Measures

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Reuse and recycle construction and demolition waste (including, but not limited to, soil, vegetation, concrete, lumber, metal, and cardboard).	Construction and demolition materials account for almost 22 percent of the waste stream in California. Reusing and recycling these materials not only conserves natural resources and energy, but can also save money. For a list of best practices and other resources, see California Integrated Waste Management Board, Construction and Demolition Debris Recycling (webpage) at http://www.ciwmb.ca.gov/condemo/ .
Integrate reuse and recycling into residential industrial, institutional and commercial projects.	Tips on developing a successful recycling program, and opportunities for cost- effective recycling, are available on the California Integrated Waste Management Board's Zero Waste California website. See http://zerowaste.ca.gov/ . The Institute for Local Government's Waste Reduction & Recycling webpage contains examples of "best practices" for reducing greenhouse gas emissions, organized around waste reduction and recycling goals and additional examples and resources. See http://www.ca-ilg.org/wastereduction .
Provide easy and convenient recycling opportunities for residents, the public, and tenant businesses.	Tips on developing a successful recycling program, and opportunities for cost effective recycling, are available on the California Integrated Waste Management Board's Zero Waste California website. See http://zerowaste.ca.gov/ .
Provide education and publicity about reducing waste and available recycling services.	Many cities and counties provide information on waste reduction and recycling. See, for example, the Butte County Guide to Recycling at http://www.recyclebutte.net . The California Integrated Waste Management Board's website contains numerous publications on recycling and waste reduction that may be helpful in devising an education project. See http://www.ciwmb.ca.gov/Publications/default.asp?cat=13 . Private projects may also provide waste and recycling education directly, or fund education.

Land Use Measures

Ensure consistency
with "smart growth"
principles –
mixed-use, infill, and
higher density projects
that provide
alternatives to individual
vehicle travel and
promote the efficient
delivery of services and
goods.
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U.S. EPA maintains an extensive Smart Growth webpage with links to examples, literature and technical assistance, and financial resources. See http://www.epa.gov/smartgrowth/index.htm.

The National Oceanic and Atmospheric Administration's webpage provides smart growth recommendations for communities located near water. See Coastal & Waterfront Smart Growth (webpage) at http://coastalsmartgrowth.noaa.gov/. The webpage includes case studies from California.

The California Energy Commission has recognized the important role that land use can play in meeting our greenhouse gas and energy efficiency goals. The agency's website, Smart Growth & Land Use Planning, contains useful information and links to relevant studies, reports, and other resources. See http://www.energy.ca.gov/landuse/.

The Metropolitan Transportation Commission's webpage, Smart Growth / Transportation for Livable Communities, includes resources that may be useful to communities in the San Francisco Bay Area and beyond. See http://www.mtc.ca.gov/planning/smart_growth/.

The Sacramento Area Council of Governments (SACOG) has published examples of smart growth in action in its region. See Examples from the Sacramento Region of the Seven Principles of Smart Growth / Better Ways to Grow, available at http://www.sacog.org/regionalfunding/betterways.pdf.

Meet recognized "smart growth" benchmarks.

For example, the LEED for Neighborhood Development (LEED-ND) rating system integrates the principles of smart growth, urbanism and green building into the first national system for neighborhood design. LEED-ND is a collaboration among the U.S. Green Building Council, Congress for the New Urbanism, and the Natural Resources Defense Council. For more information, see http://www.usqbc.org/DisplayPage.aspx?CMSPageID=148.

Educate the public about the many benefits of well-designed, higher density development.

See, for example, U.S. EPA, Growing Smarter, Living Healthier: A Guide to Smart Growth and Active Aging (webpage), discussing how compact, walkable communities can provide benefits to seniors. See http://www.epa.gov/aging/bhc/guide/index.html.

U.S. EPA, Environmental Benefits of Smart Growth (webpage) at http://www.epa.gov/dced/topics/eb.htm (noting local air and water quality improvements).

Centers for Disease Control and Prevention (CDC), Designing and Building Healthy Places (webpage), at http://www.cdc.gov/healthyplaces/. The CDC's website discusses the links between walkable communities and public health and includes numerous links to educational materials.

California Department of Housing and Community Development, Myths and Facts About Affordable and High Density Housing (2002), available at http://www.hcd.ca.gov/hpd/mythsnfacts.pdf.

Incorporate public Federal Transit Administration, Transit-Oriented Development (TOD) transit into the project's (webpage) at http://www.fta.dot.gov/planning/planning_environment_6932.html design. (describing the benefits of TOD as "social, environmental, and fiscal.") California Department of Transportation (Caltrans), Statewide Transit-Oriented Development Study: Factors for Success in California (2002), available at http://transitorienteddevelopment.dot.ca.gov/miscellaneous/StatewideTOD.htm Caltrans, California Transit-Oriented Development Searchable Database (includes detailed information on numerous TODs), available at http://transitorienteddevelopment.dot.ca.gov/miscellaneous/NewHome.jsp. California Department of Housing and Community Development, Transit Oriented Development (TOD) Resources (Aug. 2009), available at http://www.hcd.ca.gov/hpd/tod.pdf. Preserve and create U.S. EPA, Smart Growth and Open Space Conservation (webpage) at http://www.epa.gov/dced/openspace.htm. open space and parks. Preserve existing trees, and plant replacement trees at a set ratio. Develop "brownfields" U.S. EPA, Smart Growth and Brownfields (webpage) at and other underused or http://www.epa.gov/dced/brownfields.htm. defunct properties near existing public For example, as set forth in the Local Government Commission's case study, transportation and jobs. the Town of Hercules, California reclaimed a 426-acre brownfield site, transforming it into a transit-friendly, walkable neighborhood. See http://www.lgc.org/freepub/docs/community_design/fact_sheets/er_case_studi es.pdf. For financial resources that can assist in brownfield development, see Center for Creative Land Recycling, Financial Resources for California Brownfields (July 2008), available at http://www.cclr.org/media/publications/8-Financial_Resources_2008.pdf. Include pedestrian and See U.S. Department of Transportation, Federal Highway Administration, bicycle facilities within Bicycle and Pedestrian Program (webpage) at projects and ensure http://www.fhwa.dot.gov/environment/bikeped/ that existing nonmotorized routes are Caltrans, Pedestrian and Bicycle Facilities in California / A Technical Reference and Technology Transfer Synthesis for maintained and Caltrans Planners and Engineers (July 2005), available at enhanced. http://www.dot.ca.gov/hg/traffops/survey/pedestrian/TR MAY0405.pdf. This reference includes standard and innovative practices for pedestrian facilities and traffic calming.

Transportation and Motor Vehicles

Meet an identified
transportation-related
benchmark.

A logical benchmark might be related to vehicles miles traveled (VMT), e.g., average VMT per capita, per household, or per employee. As the California Energy Commission has noted, VMT by California residents increased "a rate of more than 3 percent a year between 1975 and 2004, markedly faster than the population growth rate over the same period, which was less than 2 percent. This increase in VMT correlates to an increase in petroleum use and GHG production and has led to the transportation sector being responsible for 41 percent of the state's GHG emissions in 2004." CEC, The Role of Land Use in Meeting California's Energy and Climate Change Goals (Aug. 2007) at p. 9, available at http://www.energy.ca.gov/2007publications/CEC-600-2007-008-SF.PDF.

Even with regulations designed to increase vehicle efficiency and lower the carbon content of fuel, "reduced VMT growth will be required to meet GHG reductions goals." *Id.* at p. 18.

Adopt a comprehensive parking policy that discourages private vehicle use and encourages the use of alternative transportation.

For example, reduce parking for private vehicles while increasing options for alternative transportation; eliminate minimum parking requirements for new buildings; "unbundle" parking (require that parking is paid for separately and is not included in rent for residential or commercial space); and set appropriate pricing for parking.

See U.S. EPA, Parking Spaces / Community Places, Finding the Balance Through Smart Growth Solutions (Jan. 2006), available at http://www.epa.gov/dced/pdf/EPAParkingSpaces06.pdf.

Reforming Parking Policies to Support Smart Growth, Metropolitan Transportation Commission (June 2007) at http://www.mtc.ca.gov/planning/smart_growth/parking_seminar/Toolbox Handbook.pdf.

See also the City of Ventura's Downtown Parking and Mobility Plan, available at

http://www.cityofventura.net/community_development/resources/mobility_parking_plan.pdf, and Ventura's Downtown Parking Management Program, available at

http://www.ci.ventura.ca.us/depts/comm_dev/downtownplan/chapters.asp.

Build or fund a major transit stop within or near the development.

"'Major transit stop' means a site containing an existing rail transit station, a ferry terminal served by either a bus or rail transit service, or the intersection of two or more major bus routes with a frequency of service interval of 15 minutes or less during the morning and afternoon peak commute periods." (Pub. Res. Code, § 21064.3.)

Transit Oriented Development (TOD) is a moderate to higher density development located within an easy walk of a major transit stop. http://transitorienteddevelopment.dot.ca.gov/miscellaneous/NewWhatisTOD.htm.

By building or funding a major transit stop, an otherwise ordinary development can become a TOD.

Provide public transit See U.S. Department of Transportation and U.S. EPA, Commuter Choice incentives such as free Primer / An Employer's Guide to Implementing Effective Commuter Choice or low-cost monthly Programs, available at http://www.its.dot.gov/JPODOCS/REPTS PR/13669.html. transit passes to employees, or free ride The Emery Go Round shuttle is a private transportation service funded by areas to residents and commercial property owners in the citywide transportation business customers. improvement district. The shuttle links a local shopping district to a Bay Area Rapid Transit stop. See http://www.emerygoround.com/. Seattle, Washington maintains a public transportation "ride free" zone in its downtown from 6:00 a.m. to 7:00 p.m. daily. See http://transit.metrokc.gov/tops/accessible/paccessible map.html#fare. Promote "least Promoting "least polluting" methods of moving people and goods is part of a polluting" ways to larger, integrated "sustainable streets" strategy now being explored at U.C. Davis's Sustainable Transportation Center. Resources and links are available connect people and at the Center's website, http://stc.ucdavis.edu/outreach/ssp.php. goods to their destinations. Incorporate bicycle Bicycling can have a profound impact on transportation choices and air lanes, routes and pollution reduction. The City of Davis has the highest rate of bicycling in the facilities into street nation. Among its 64,000 residents, 17 percent travel to work by bicycle and systems, new 41 percent consider the bicycle their primary mode of transportation. See Air subdivisions, and large Resources Board, Bicycle Awareness Program, Bicycle Fact Sheet, available at http://www.arb.ca.gov/planning/tsag/bicycle/factsht.htm. developments. For recommendations on best practices, see the many resources listed at the U.S. Department of Transportation, Federal Highway Administration's Bicycle and Pedestrian website at http://www.fhwa.dot.gov/environment/bikeped/publications.htm. See also Caltrans Division of Research and Innovation, Designing Highway Facilities To Encourage Walking, Biking and Transit (Preliminary Investigation) (March 2009), available at http://www.dot.ca.gov/research/researchreports/preliminary investigations/doc s/pi-design for walking %20biking and transit%20final.pdf. Require amenities for According to local and national surveys of potential bicycle commuters, secure non-motorized bicycle parking and workplace changing facilities are important complements to safe and convenient routes of travel. See Air Resources Board, Bicycle transportation, such as Awareness Program, Bicycle Fact Sheet, available at secure and convenient http://www.arb.ca.gov/planning/tsag/bicycle/factsht.htm. bicycle parking.

Ensure that the project enhances, and does not disrupt or create barriers to, non-motorized transportation.

See, e.g., U.S. EPA's list of transit-related "smart growth" publications at http://www.epa.gov/dced/publications.htm#air, including Pedestrian and Transit-Friendly Design: A Primer for Smart Growth (1999), available at www.epa.gov/dced/pdf/ptfd primer.pdf.

See also Toolkit for Improving Walkability in Alameda County, available at http://www.acta2002.com/ped toolkit/ped toolkit print.pdf.

Pursuant to the California Complete Streets Act of 2008 (AB 1358, Gov. Code, §§ 65040.2 and 65302), commencing January 1, 2011, upon any substantive revision of the circulation element of the general plan, a city or county will be required to modify the circulation element to plan for a balanced, multimodal transportation network that meets the needs of all users.

Connect parks and open space through shared pedestrian/bike paths and trails to encourage walking and bicycling.
Create bicycle lanes and walking paths directed to the location of schools, parks and other destination points.

Walk Score ranks the "walkability" of neighborhoods in the largest 40 U.S. cities, including seven California cities. Scores are based on the distance to nearby amenities. Explore Walk Score at http://www.walkscore.com/.

In many markets, homes in walkable neighborhoods are worth more than similar properties where walking is more difficult. See Hoak, *Walk appeal / Homes in walkable neighborhoods sell for more: study*, Wall Street Journal (Aug. 18, 2009), available at http://www.marketwatch.com/story/homes-in-walkable-neighborhoods-sell-for-more-2009-08-18.

By creating walkable neighborhoods with more transportation choices, Californians could save \$31 million and cut greenhouse gas emissions by 34 percent, according to a study released by Transform, a coalition of unions and nonprofits. See Windfall for All / How Connected, Convenient Neighborhoods Can Protect Our Climate and Safeguard California's Economy (Nov. 2009), available at http://transformca.org/windfall-for-all#download-report.

Work with the school districts to improve pedestrian and bike access to schools and to restore or expand school bus service using lower-emitting vehicles.

In some communities, twenty to twenty-five percent of morning traffic is due to parents driving their children to school. Increased traffic congestion around schools in turn prompts even more parents to drive their children to school. Programs to create safe routes to schools can break this harmful cycle. See California Department of Public Health, Safe Routes to School (webpage) and associated links at

http://www.cdph.ca.gov/HealthInfo/injviosaf/Pages/SafeRoutestoSchool.aspx.

See also U.S. EPA, Smart Growth and Schools (webpage), available at http://www.epa.gov/dced/schools.htm.

California Center for Physical Activity, California Walk to School (website) at http://www.cawalktoschool.com

Regular school bus service (using lower-emitting buses) for children who cannot bike or walk to school could substantially reduce private vehicle congestion and air pollution around schools. See Air Resources Board, Lower Emissions School Bus Program (webpage) at http://www.arb.ca.gov/msprog/schoolbus/schoolbus.htm.

Institute teleconferencing, telecommute and/or flexible work hour programs to reduce unnecessary employee transportation.

There are numerous sites on the web with resources for employers seeking to establish telework or flexible work programs. These include U.S. EPA's Mobility Management Strategies: Commuter Programs website at http://www.epa.gov/otaq/stateresources/rellinks/mms_commprograms.htm; and Telework, the federal government's telework website, at http://www.telework.gov/.

Through a continuing FlexWork Implementation Program, the Traffic Solutions division of the Santa Barbara County Association of Governments sponsors flexwork consulting, training and implementation services to a limited number of Santa Barbara County organizations that want to create or expand flexwork programs for the benefit of their organizations, employees and the community. See http://www.flexworksb.com/read more about the fSBp.html. Other local government entities provide similar services.

Provide information on alternative transportation options for consumers, residents, tenants and employees to reduce transportation-related emissions.

Many types of projects may provide opportunities for delivering more tailored transportation information. For example, a homeowner's association could provide information on its website, or an employer might create a Transportation Coordinator position as part of a larger Employee Commute Reduction Program. See, e.g., South Coast Air Quality Management District, Transportation Coordinator training, at http://www.aqmd.gov/trans/traing.html.

Educate consumers, residents, tenants and the public about options for reducing motor vehicle-related greenhouse gas emissions. Include information on trip reduction; trip linking; vehicle performance and efficiency (e.g., keeping tires inflated); and low or zero-emission vehicles.

See, for example U.S. EPA, SmartWay Transport Partnership: Innovative Carrier Strategies (webpage) at http://www.epa.gov/smartway/transport/what-smartway/carrier-strategies.htm. This webpage includes recommendations for actions that truck and rail fleets can take to make ground freight more efficient and cleaner.

The Air Resources Board's Drive Clean website is a resource for car buyers to find clean and efficient vehicles. The web site is designed to educate Californians that pollution levels range greatly between vehicles. See http://www.driveclean.ca.gov/.

The Oregon Department of Transportation and other public and private partners launched the Drive Less/Save More campaign. The comprehensive website contains fact sheets and educational materials to help people drive more efficiently. See http://www.drivelesssavemore.com/.

Purchase, or create incentives for purchasing, low or zero-emission vehicles.

See Air Resources Board, Low-Emission Vehicle Program (webpage) at http://www.arb.ca.gov/msprog/levprog/levprog.htm.

Air Resource Board, Zero Emission Vehicle Program (webpage) at http://www.arb.ca.gov/msprog/zevprog/zevprog.htm.

All new cars sold in California are now required to display an Environmental Performance (EP) Label, which scores a vehicle's global warming and smog emissions from 1 (dirtiest) to 10 (cleanest). To search and compare vehicle EP Labels, visit www.DriveClean.ca.gov.

Create a ride sharing For example, the 511 Regional Rideshare Program is operated by the program. Promote Metropolitan Transportation Commission (MTC) and is funded by grants from the Federal Highway Administration, U.S. Department of Transportation, the existing ride sharing programs e.g., by Metropolitan Transportation Commission, the Bay Area Air Quality Management District and county congestion management agencies. For more designating a certain percentage of parking information, see http://rideshare.511.org/. spaces for ride sharing vehicles, designating As another example, San Bernardino Associated Governments works directly adequate passenger with large and small employers, as well as providing support to commuters loading and unloading who wish to share rides or use alternative forms of transportation. See for ride sharing http://www.sanbag.ca.gov/commuter/rideshare.html. vehicles, and providing a web site or message Valleyrides.com is a ridesharing resource available to anyone commuting to board for coordinating and from Fresno and Tulare Counties and surrounding communities. See rides. http://www.vallevrides.com/. There are many other similar websites throughout the state. Create or There are many existing car sharing companies in California. These include accommodate car City CarShare (San Francisco Bay Area), see http://www.citycarshare.org/; and Zipcar, see http://www.zipcar.com/. Car sharing programs are being sharing programs, e.g., provide parking spaces successfully used on many California campuses. for car share vehicles at convenient locations accessible by public transportation. Provide a vanpool for Many local Transportation Management Agencies can assist in forming employees. vanpools. See, for example, Sacramento Transportation Management Association, Check out Vanpooling (webpage) at http://www.sacramentotma.org/vanpool.html. Create local "light See California Energy Commission, Consumer Energy Center, Urban Options vehicle" networks, such - Neighborhood Electric Vehicles (NEVs) (webpage) at as neighborhood http://www.consumerenergycenter.org/transportation/urban_options/nev.html. electric vehicle systems. The City of Lincoln has an innovative NEV program. See http://www.lincolnev.com/index.html. Enforce and follow Under existing law, diesel-fueled motor vehicles with a gross vehicle weight limits idling time for rating greater than 10,000 pounds are prohibited from idling for more than 5 commercial vehicles, minutes at any location. The minimum penalty for an idling violation is now including delivery and \$300 per violation. See http://www.arb.ca.gov/enf/complaints/idling_cv.htm. construction vehicles. Provide the necessary For a list of existing alternative fuel stations in California, visit facilities and http://www.cleancarmaps.com/. infrastructure to encourage the use of See, e.g., Baker, Charging-station network built along 101, S.F. Chron. low or zero-emission (9/23/09), available at http://articles.sfgate.com/2009-09-23/news/17207424_1_recharging-solar-array-tesla-motors. vehicles.

Agriculture and Forestry (additional strategies noted above)

Require best management practices in agriculture and animal operations to reduce emissions, conserve energy and water, and utilize alternative energy sources, including biogas, wind and solar.

Air Resources Board (ARB), Economic Sectors Portal, Agriculture (webpage) at http://www.arb.ca.gov/cc/ghgsectors/ghgsectors.htm. ARB's webpage includes information on emissions from manure management, nitrogen fertilizer, agricultural offroad equipment, and agricultural engines.

"A full 90% of an agricultural business' electricity bill is likely associated with water use. In addition, the 8 million acres in California devoted to crops consume 80% of the total water pumped in the state." See Flex Your Power, Agricultural Sector (webpage) at http://www.fypower.org/agri/.

Flex Your Power, Best Practice Guide / Food and Beverage Growers and Processors, available at http://www.fypower.org/bpg/index.html?b=food and bev.

Antle et al., Pew Center on Global Climate Change, Agriculture's Role in Greenhouse Gas Mitigation (2006), available at http://www.pewclimate.org/docUploads/Agriculture's%20Role%20in%20GHG%20Mitigation.pdf.

Preserve forested areas, agricultural lands, wildlife habitat and corridors, wetlands, watersheds, groundwater recharge areas and other open space that provide carbon sequestration benefits.

"There are three general means by which agricultural and forestry practices can reduce greenhouse gases: (1) avoiding emissions by maintaining existing carbon storage in trees and soils; (2) increasing carbon storage by, e.g., tree planting, conversion from conventional to conservation tillage practices on agricultural lands; (3) substituting biobased fuels and products for fossil fuels, such as coal and oil, and energy-intensive products that generate greater quantities of CO2 when used." U.S. EPA, Carbon Sequestration in Agriculture and Forestry, Frequently Asked Questions (webpage) at http://www.epa.gov/sequestration/faq.html.

Air Resources Board, Economic Sectors Portal, Forestry (webpage) at http://www.arb.ca.gov/cc/ghgsectors/ghgsectors.htm.

Protect existing trees and encourage the planting of new trees. Adopt a tree protection and replacement ordinance. Tree preservation and planting is not just for rural areas of the state; suburban and urban forests can also serve as carbon sinks. See Cal Fire, Urban and Community Forestry (webpage) at

http://www.fire.ca.gov/resource_mgt/resource_mgt_urbanforestry.php.

Off-Site Mitigation

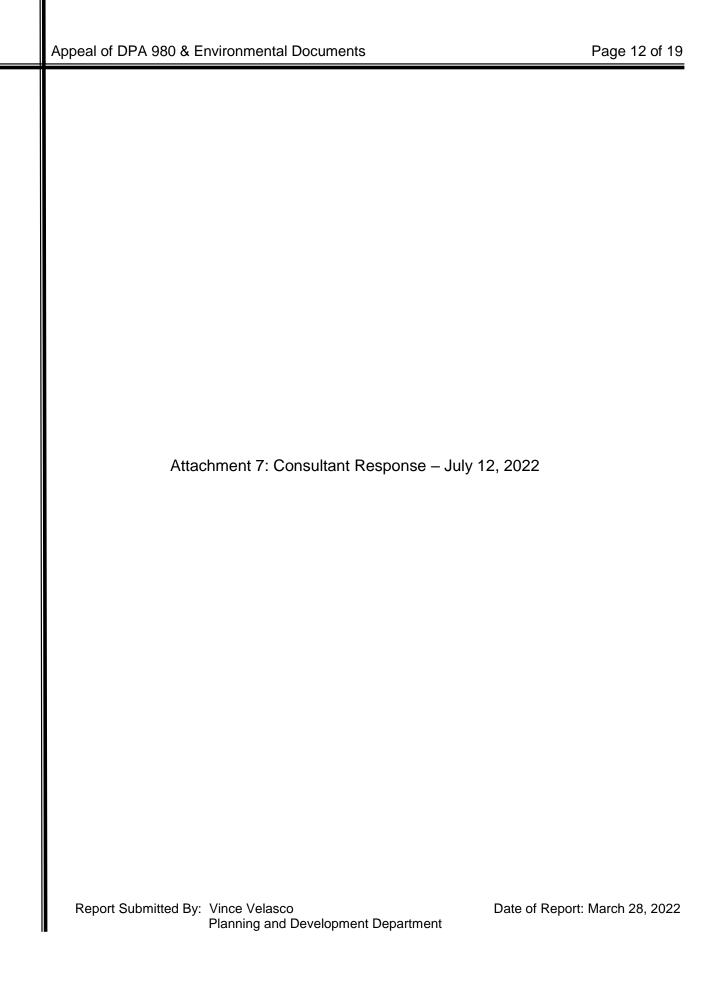
If, after analyzing and requiring all reasonable and feasible on-site mitigation measures for avoiding or reducing greenhouse gas-related impacts, the lead agency determines that additional mitigation is required, the agency may consider additional off-site mitigation. The project proponent could, for example, fund off-site mitigation projects that will reduce carbon emissions, conduct an audit of its other existing operations and agree to retrofit, or purchase verifiable carbon "credits" from another entity that will undertake mitigation.

The topic of off-site mitigation can be complicated. A full discussion is outside the scope of this summary document. Issues that the lead agency should consider include:

- The location of the off-site mitigation. (If the off-site mitigation is far from the project, any additional, non-climate related co-benefits of the mitigation may be lost to the local community.)
- Whether the emissions reductions from off-site mitigation can be quantified and verified. (The California Registry has developed a number of protocols for calculating, reporting and verifying greenhouse gas emissions. Currently, industry-specific protocols are available for the cement sector, power/utility sector, forest sector and local government operations. For more information, visit the California Registry's website at http://www.climateregistry.org/.)
- Whether the mitigation ratio should be greater than 1:1 to reflect any uncertainty about the effectiveness of the off-site mitigation.

Offsite mitigation measures that could be funded through mitigation fees include, but are not limited to, the following:

- Energy efficiency audits of existing buildings.
- Energy efficiency upgrades to existing buildings not otherwise required by law, including heating, ventilation, air conditioning, lighting, water heating equipment, insulation and weatherization (perhaps targeted to specific communities, such as low-income or senior residents).
- Programs to encourage the purchase and use of energy efficient vehicles, appliances, equipment and lighting.
- Programs that create incentives to replace or retire polluting vehicles and engines.
- Programs to expand the use of renewable energy and energy storage.
- Preservation and/or enhancement of existing natural areas (e.g., forested areas, agricultural lands, wildlife habitat and corridors, wetlands, watersheds, and groundwater recharge areas) that provide carbon sequestration benefits.
- Improvement and expansion of public transit and low- and zero-carbon transportation alternatives.



Attachment No. 7

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING

PLANNING • ENVIRONMENTAL ANALYSIS • ECONOMICS • MAPPING

July 12, 2021

Mr. Vince Velasco, Associate Planner City of Santa Fe Springs Planning Department 11710 Telegraph Road Santa Fe Springs, California 90670

Subject: Response to Comments on the Mitigated Negative Declaration for the proposed 11401 Greenstone Avenue Industrial Building.

Mr. Velasco

On behalf of *Blodgett Baylosis Environmental Planning (BBEP)*, I am submitting this memorandum outlining our responses to the comments received regarding the Initial Study and Mitigated Negative Declaration that was prepared for the proposed 11401 Greenstone Avenue industrial building.

Comment 1

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 137,000 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project"). The City of Santa Fe Springs ("City") has prepared a mitigated negative declaration ("MND") for the Project. We request that the City prepare an environmental impact report ("EIR") for the Project because there is a fair argument that the Project may have adverse environmental impacts.

Response 1

While we do not agree with the conclusions outlined in the above comment, it has been noted for the record. Our objections to the above comment are outlined in Response 2.

Comment 2

Failure to Provide Notice. On April 1, 2021, we sent a written notice request letter requesting notice of any document released pursuant to the California Environmental Quality Act ("CEQA"), including any MND, EIR or CEQA exemption. (Exhibit A). The April 2 request was filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government Code Section 65092, which require local agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body. The City released an MND for the Project on May 21, 2021, but it appears from our records that the City failed to provide us with notice of the MND. As a result, we were denied our right to have at least 20-days to review and comments on the MND. We therefore request that the City continue the Planning Commission hearing for at least 20-days to allow us the right to review and comment on the MND. We reserve the right to file a petition for writ of mandate against the City seeking a writ of mandate to require the City to comply with CEQA's notice requirements.

Response 2

The Notice of Intent to Adopt (NOIA) was filed at the Los Angeles County Clerk's Office.

Comment 3

There is a Fair Argument that the Project May Have Adverse Environmental Impacts. As the Supreme Court held, "If no EIR has been prepared for a nonexempt project, but substantial evidence in the record supports a fair argument that the project may result in significant adverse impacts, the proper remedy is to order preparation of an EIR." (Communities for a Better Environment v. South Coast Air Quality Management Dist. (ConocoPhillips) (2010) 48 Cal. 4th 310, 319-320 ("CBE v. SCAQMD"), citing, No Oil, Inc. v. City of Los Angeles, 13 Cal.3d at pp. 75, 88; Brentwood Assn. for No Drilling, Inc. v. City of Los Angeles (1982) 134 Cal. App. 3d 491, 504-505) "The 'foremost principle' in interpreting CEQA is that the Legislature intended the act to be read so as to afford the fullest possible protection to the environment within the reasonable scope of the statutory language." (Communities for a Better Environment v. Calif. Resources Agency (2002) 103 Cal. App. 4th 98, 109.)

The EIR is the very heart of CEQA. (Bakersfield Citizens for Local Control v. City of Bakersfield (2004) 124 Cal. App. 4th 1214; Pocket Protectors v. City of Sacramento (2004) 124 Cal. App. 4th 903, 927) The EIR is an "environmental 'alarm bell' whose purpose is to alert the public and its responsible officials to environmental changes before they have reached the ecological points of no return." Bakersfield Citizens, 124 Cal. App. 4th at 1220. The EIR also functions as a "document of accountability," intended to "demonstrate to an apprehensive citizenry that the agency has, in fact, analyzed and considered the ecological implications of its action." Laurel Heights Improvements Assn. v. Regents of University of California (1988) 47 Cal. 3d 376, 392. The EIR process "protects not only the environment but also informed self-government." Pocket Protectors, 124 Cal. App. 4th 927.

An EIR is required if "there is substantial evidence, in light of the whole record before the lead agency, that the project may have a significant effect on the environment." Pub. Res. Code § 21080(d) (emphasis added); see also Pocket Protectors, 124 Cal.App.4th at 927. In very limited circumstances, an agency may avoid preparing an EIR by issuing a negative declaration, a written statement briefly indicating that a project will have no significant impact thus requiring no EIR (CEQA Guidelines § 15371), only if there is not even a "fair argument" that the project will have a significant environmental effect. Pub. Res. Code §§ 21100, 21064. Since "[t]he adoption of a negative declaration . . . has a terminal effect on the environmental review process," by allowing the agency "to dispense with the duty [to prepare an EIR]," negative declarations are allowed only in cases where "the proposed project will not affect the environment at all." Citizens of Lake Murray v. San Diego, 129 Cal.App.3d 436, 440 (1989). CEQA contains a "preference for resolving doubts in favor of environmental review." Pocket Protectors, 124 Cal.App.4th at 927.

Response 3

The comment fails to identify the substantial evidence that supports the preparation of an Environmental Impact Report for the proposed project. The City, in its capacity as Lead Agency for the proposed project oversaw the preparation of an initial study that evaluated all of the required CEQA issue areas that included the following:

- Aesthetics (Section 3.1);
- Agricultural &Forestry Resources (Section 3.2);
- Air Quality (Section 3.3);

- Biological Resources (Section 3.4);
- Cultural Resources (Section 3.5);
- Energy (Section 3.6)
- Geology & Soils (Section 3.7);
- Greenhouse Gas Emissions; (Section 3.8);
- Hazards & Hazardous Materials (Section 3.9);
- Hydrology & Water Quality (Section 3.10);
- Land Use & Planning (Section 3.11);
- Mineral Resources (Section 3.12);
- Noise (Section 3.13);
- Population & Housing (Section 3.14);
- Public Services (Section 3.15);
- Recreation (Section 3.16);
- Transportation (Section 3.17);
- Tribal Cultural Resources (Section 3.18);
- Utilities (Section 3.19);
- Wildfire (Section 3.20); and,
- Mandatory Findings of Significance (Section 3.21).

All of the above issues were analyzed in noted sections of the initial study. The comment also implied that the analysis determined that the project would not result in any impacts. In fact, the Initial study determined that the following mitigation was required:

Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the city prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.

Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.

Mitigation Measure No. 4 (Tribal Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

Finally, the Initial Study clearly identified the thresholds that were used to determine the level of significance.

Comment 4

There is a Fair Argument that the Project May Have Significant Greenhouse Gas Impacts. There is a fair argument that the Project will have adverse air quality impacts. The Bay Area Air Quality Management District ("BAAQMD") has adopted CEQA screening thresholds. (Exhibit B). Although this Project is located within the South Coast Air Quality Management District ("SCAQMD"), the thresholds of the two agencies and similar and SCAQMD has not adopted similar screening thresholds. Therefore, the exceedance of the BAAQMD thresholds establishes a "fair argument" that the Project will also exceed SCAQMD thresholds. The BAAQMD thresholds provide that an industrial building of over 121,000 square feet may have significant greenhouse gas ("GHG") impacts. The Project is137,000 square feet, and therefore exceeds this screening threshold. Therefore, there is a fair argument that the Project will have significant GHG impacts that should be analyzed and mitigated in an EIR. Feasible mitigation measures may include installation of solar panels, energy efficiency measures that exceed Title 24 requirements, requirements for electrified forklifts, trucks and other equipment, and many other measures, including measures suggested by the California Attorney General. (Exhibit C).

Response 4

According to the South Coast Air Quality Management District (SCAQMD), the interim thresholds for industrial projects are 10,000 MTCO2E per year. Table 3-3 included in the Initial Study, summarizes annual greenhouse gas (CO2E) emissions from build-out of the proposed project. The preparers of the Initial Study contacted the SCAQMD's Intergovernmental Review Team and confirmed this approach. This analysis utilized the CalEEMod computer model developed for both the SCAQMD and the California Air Resources Board (CARB). Carbon dioxide equivalent, or CO2E, is a term that is used for describing different greenhouse gases in a common and collective unit. As indicated in Table 3-3, the MTCO2E total for the project is 10,374.34 pounds per day or 4.66 MTCO2E per day. This translates into an annual emission of 1,703.98 MTCO2E, which is much lower than the aforementioned threshold of 10,000 MTCO2E for industrial projects.

We also do not agree that using an adopted thresholds for the Bay Area Air Pollution Control District (BAAPCD) would be more applicable to this project. In fact, the determination of GHG impacts is more complicated than the comment alludes to. For example, the BAAPCD utilizes the Urbemis computer model to determine GHG emissions which is no longer used in the South Coast Air Basin.

¹ SCAQMD. *Interim CEQA GHG Significance Threshold for Stationary Sources, Rules and Plans. Agenda No. 31*. December 5, 2008. https://www.aqmd.gov/docs/default-source/ceqa/handbook/greenhouse-gases-(ghg)-ceqa-significance-thresholds/ghgboardsynopsis.pdf

Comment 5

The MND's Analysis of Energy Impacts is Conclusory and Fails to Provide Substantial Evidence that the Project's Energy Impacts will be less than Significant. The MND devoted less than two pages to its energy analysis. (MND, pp. 44-45.) The MND relies on the Project's compliance with Title 24 regulations to conclude that the impact is less than significant. However, compliance with existing standards does not provide substantial evidence that the Project's energy impacts are less than significant.

The standard under CEQA is whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources. Failing to undertake "an investigation into renewable energy options that might be available or appropriate for a project" violates CEQA. (California Clean Energy Committee v. City of Woodland (2014) 225 Cal.App.4th 173, 213.) Energy conservation under CEQA is defined as the "wise and efficient use of energy." (CEQA Guidelines, app. F, § I.) The "wise and efficient use of energy" is achieved by "(1) decreasing overall per capita energy consumption, (2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and (3) increasing reliance on renewable energy resources." (Id.) Simply requiring compliance with the California Building Energy Efficiency Standards (Cal.Code Regs., tit. 24, part 6 (Title 24) does not constitute an adequate analysis of energy. (Ukiah Citizens for Safety First v. City of Ukiah (2016) 248 Cal.App.4th 256, 264-65 (Ukiah Citizens).) Similarly, the court in City of Woodland held unlawful an energy analysis that relied on compliance with Title 24, that failed to assess transportation energy impacts, and that failed to address renewable energy impacts. (City of Woodland, supra, 225 Cal.App.4th at pp. 209-13.) As such, the MND's reliance on Title 24 compliance does not satisfy the requirements for an adequate discussion of the Project's energy impacts.

The MND summarily concludes that the Project would not result in the inefficient, wasteful and unnecessary consumption of energy. There is no discussion of the Project's cost effectiveness in terms of energy requirements. There is no discussion of energy consuming equipment and processes that will be used during the construction or operation of the Project, including the energy necessary to power construction equipment, forklifts, heating, cooling, truck refrigeration units, etc. The Project's energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, and maintenance were not identified. The effect of the Project on peak and base period demands for electricity has not been addressed. As such, the MND's conclusions are unsupported by the necessary discussions of the Project's energy impacts under CEQA.

Response 6

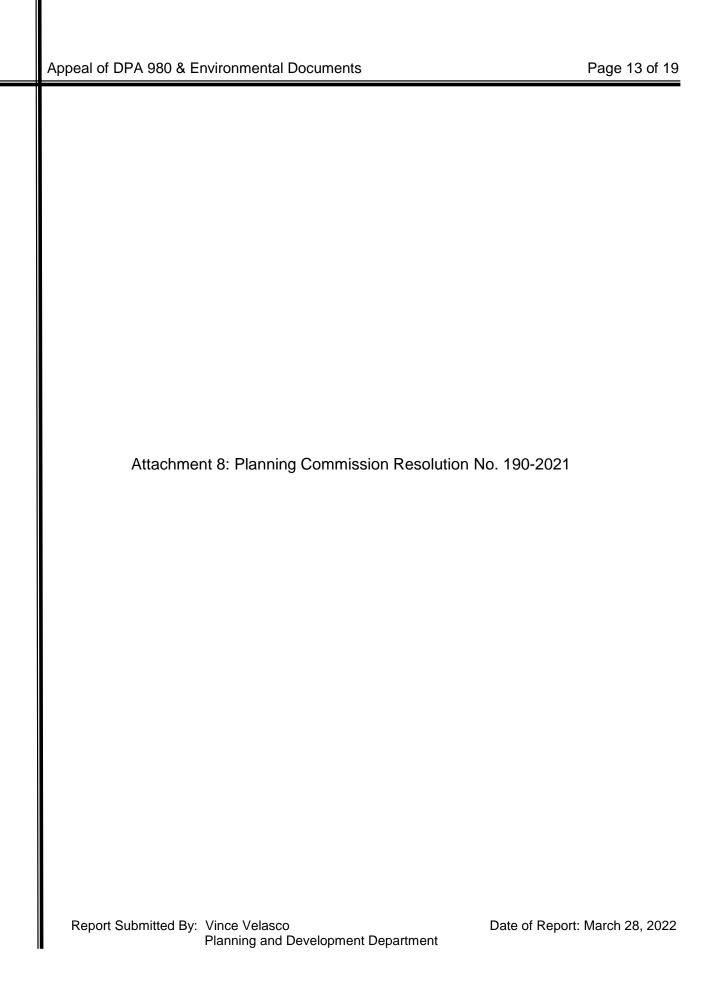
The project site is served by Southern California Edison (electricity) and the Southern California Gas Company (SCG). The IS/MND indicates the proposed project is anticipated to consume 1,899 kWH of electricity and 1,860 cubic feet of natural gas on a daily basis. The Title 24, Building Standards Code, California Energy Code and California Green Building standards would be applicable to the project. Adherence to Title 24 would reduce potential impacts to less than significant level. The proposed project's construction and operation would not be unique in terms of the manner in which energy would be consumed. The CalEEMod computer analysis calculated worker trips, construction equipment, energy consumption, and a wide range of other impacts analysis directly related to energy consumption. Finally, the City is a partner in the HERO program which is a Property Assessed Clean Energy (PACE) program that assists both government and businesses to finance energy-efficient improvements and upgrades. The program is a loan financial option which is financed through property tax. The projects eligible include solar energy systems, central air conditioning, cool roofing, energy efficient windows and doors, water heaters, and more.

Comment 7

Conclusion. For the foregoing reasons, SAFER requests that the City continue the Planning Commission hearing for at least 20-days to provide the legally required public comment period. We also request that the City prepare an environmental impact report ("EIR") to analyze and mitigate the Project's significant adverse environmental impacts. Thank you.

Response 7

The comment is noted for the record.



CITY OF SANTA FE SPRINGS RESOLUTION NO. 190-2021

A RESOLUTION OF THE PLANNING COMMISSION OF THE CITY OF SANTA FE SPRINGS REGARDING DEVELOPMENT PLAN APPROVAL CASE NO. 980

WHEREAS, a request was filed for Development Plan Approval Case No. 980 to allow the construction of a new $\pm 144,434$ sq. ft. concrete tilt-up industrial building and related improvements; and

WHEREAS, the subject property is located on the west side of Greenstone Avenue, with Accessor's Parcel Number of 8026-018-023, as shown in the latest rolls of the Los Angeles County Office of the Assessor; and

WHEREAS, the property owner is Babak Nassirzadeh, 1820 San Vicente Boulevard, Santa Monica, CA 90402; and

WHEREAS, the proposed Development Plan Approval Case No. 980 is considered a project as defined by the California Environmental Quality Act (CEQA), Article 20, Section 15378(a); and

WHEREAS, based on the information received from the applicant and staff's assessment, it was found and determined that the proposed project will not have a significant adverse effect on the environmental following mitigation; therefore, the City caused to be prepared and proposed to adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the proposed project; and

WHEREAS, the City of Santa Fe Springs Planning and Development Department on July 1, 2021 published a legal notice in the *Whitter Daily News*, a local paper of general circulation, indicating the date and time of the public hearing, and also mailed said public hearing notice on June 30, 2021 to each property owner within a 500 foot radius of the project site in accordance with state law; and

WHEREAS, the City of Santa Fe Springs Planning Commission has considered the application, the written and oral staff report, the General Plan and zoning of the subject property, the testimony, written comments, or other materials presented at the Planning Commission Meeting on July 12, 2021 concerning Development Plan Approval Case No. 980.

NOW, THEREFORE, be it RESOLVED that the PLANNING COMMISSION of the CITY OF SANTA FE SPRINGS does hereby RESOLVE, DETERMINE and ORDER AS FOLLOWS:

SECTION I. ENVIRONMENTAL FINDINGS AND DETERMINATION

The proposed development is considered a project under the California Environmental Quality Act (CEQA) and as a result, the project is subject to the City's environmental review process. The environmental analysis provided in the Initial Study indicated that the proposed project will not result in any significant adverse immitigable impacts to the environment, therefore, the City required the preparation and adoption of a Mitigated Negative Declaration (MND) for the proposed Project. The MND reflects the independent judgment of the City of Santa Fe Springs, and the City's environmental consultant, Blodgett/Baylosis Environmental Planning.

The Initial Study determined that the proposed project is not expected to have any significant adverse environmental impacts. The following findings can be made regarding the Mandatory Findings of Significance set forth in Section 15065 of the CEQA Guidelines based on the results of this Initial Study:

- The proposed project *will not* have the potential to degrade the quality of the environment.
- The proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals.
- The proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering planned or proposed development in the immediate vicinity.
- The proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly.

In addition, pursuant to Section 21081(a) of the Public Resources Code, findings must be adopted by the decision-maker coincidental to the approval of a Mitigated Negative Declaration, which relates to the Mitigation Monitoring and Reporting Program. These findings shall be incorporated as part of the decision-maker's findings of fact, in response to AB-3180 and in compliance with the requirements of the Public Resources Code. In accordance with the requirements of Section 21081(a) and 21081.6 of the Public Resources Code, the City of Santa Fe Springs can make the following additional findings:

- A mitigation reporting or monitoring program will be required.
- Site plans and/or building plans, submitted for approval by the responsible monitoring agency, shall include the required standard conditions.
- An accountable enforcement agency or monitoring agency shall be identified for the mitigation measures adopted as part of the decision-maker's final determination.

A number of mitigation measures have been recommended as a means to reduce or eliminate potential adverse environmental impacts to insignificant levels. AB-3180 requires that a monitoring and reporting program be adopted for the recommended mitigation measures.

SECTION II. DEVELOPMENT PLAN APPROVAL FINDINGS

Pursuant to Section 155.739 of the City of Santa Fe Springs Zoning Ordinance, the Planning Commission has made the following findings:

(A) That the proposed development is in conformance with the overall objectives of this chapter (Chapter 155: Zoning).

The proposed project is located within the M-2, Heavy Manufacturing, Zone. Pursuant to Section 155.240 of the Zoning Ordinance, "The purpose of the M-2 Zone is to preserve the lands of the city appropriate for heavy industrial uses, to protect these lands from intrusion by dwellings and inharmonious commercial uses, to promote uniform and orderly industrial development, to create and protect property values, to foster an efficient, wholesome and aesthetically pleasant industrial district, to attract and encourage the location of desirable industrial plants, to provide an industrial environment which will be conducive to good employee relations and pride on the part of all citizens of the community and to provide proper safeguards and appropriate transition for surrounding land uses."

The proposed project is consistent with the purpose of the M-2 Zone in the following manner:

- 1. The land is appropriate for industrial uses based on its zoning, M-2, Heavy Manufacturing and its General Plan Land Use designation of Industrial.
- 2. The proposed project will result in a new concrete tilt-up speculative industrial building, therefore the land is being maintained for industrial uses.
- 3. The project involves the construction of a new attractive industrial building on a site that is currently developed with office/maintenance building used by an existing truck trailer storage facility. The assessed value of the property will significantly improve after the project, thus leading to an increase in property values for both the subject property and neighboring properties.
- 4. The new building offers new construction with modern amenities (i.e. greater ceiling height, energy efficient, etc.) that will help to attract local industrial businesses to either locate or otherwise remain in Santa Fe Springs.
- (B) That the architectural design of the proposed structures is such that it will enhance the general appearance of the area and be in harmony with the intent of this chapter.

The applicant is proposing to construct a new concrete-tilt up speculative industrial building on the existing site. The new concrete tilt-up industrial building has been designed with variation in the provided setback, height, color, and materials used. The result is an attractive project with a contemporary building that is comparable to other high quality office/industrial projects here in Santa Fe Springs.

(C) <u>That the proposed structures be considered on the basis of their suitability for their intended purpose and on the appropriate use of materials and on the principles of proportion and harmony of the various elements of the buildings or structures.</u>

The proposed building is well-designed and should be highly suitable for a variety of office, manufacturing and/or warehouse-type users. The design of the new concrete tilt-up industrial building provides quality architectural design, as demonstrated by glazing, pop-outs, and variations in height, materials, and color. These architectural design elements break up the mass of the building, and present an attractive, distinctive façade to visitors. At this time, the proposed building does not have a particular tenant and the tenant is considered speculative. As designed, the new building is suitable for their intended industrial users, and the distinctive design of the building represents the architectural principles of proportion and harmony.

(D) That consideration be given to landscaping, fencing and other elements of the proposed development to ensure that the entire development is in harmony with the objectives of this chapter.

Extensive consideration has been given to numerous elements of the proposed project to achieve harmony with the City's Zoning Ordinance. The majority of the landscaping will be provided along Greenstone Avenue for maximum aesthetic value. Additionally, the truck wells and dock doors have been strategically placed so that they will not be directly visible from the public right-of-way. Nevertheless, a 14' high concrete screen wall with a 10' high sliding gate will be provided to screen activities within the truck yard area. And lastly, the proposed trash enclosures have been strategically placed where they are not visible or easily accessible by the public, and where they have least impact on adjacent properties.

(E) That it is not the intent of this subchapter to require any particular style or type of architecture other than that necessary to harmonize with the general area.

As stated previously, the proposed building is contemporary in design. The architect used glazing, pop-outs, height variations, materials, and color. The style and architecture of the proposed building is consistent with other high quality buildings that were recently constructed in the general area.

(F) That it is not the intent of this subchapter to interfere with architectural design except to the extent necessary to achieve the overall objectives of this chapter.

Pursuant to Section 155.736 of the Zoning Ordinance "The purpose of the development plan approval is to assure compliance with the provisions of this chapter and to give proper attention to the siting of new structures or additions or alterations to existing structures, particularly in regard to unsightly and undesirable appearance, which would have an adverse effect on surrounding properties and the community in general." As a result, the Planning Commission believes that proper attention has been given to the location, size, and overall design of the proposed building and related improvements.

(G) As a means of encouraging residential development projects to incorporate units affordable to extremely low income households and consistent with the city's housing element, the city will waive Planning Department entitlement fees for projects with a minimum of 10% extremely low income units. For purposes of this section, extremely low income households are households whose income does not exceed the extremely low-income limits applicable to Los Angeles County, as published and periodically updated by the state's Department of Housing and Community Development pursuant Cal. Health and Safety Code § 50106.

The Planning Commission finds that the proposed project is not a residential development; therefore, the requirements pertaining to low income units do not apply.

SECTION IV. PLANNING COMMISSION ACTION

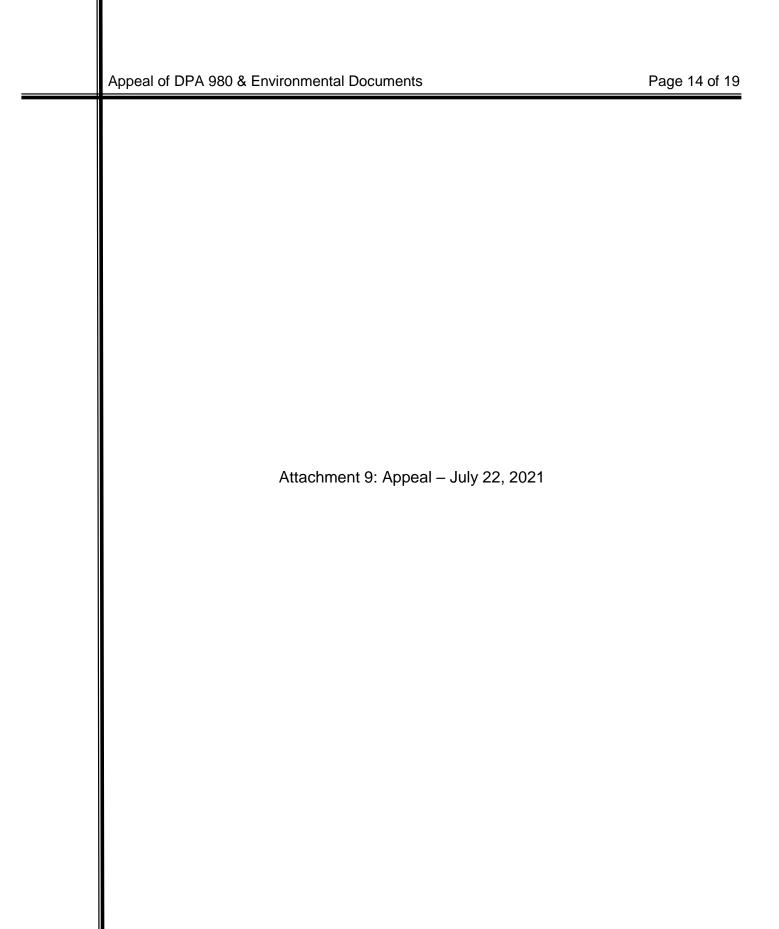
The Planning Commission hereby adopts Resolution No. 190-2021 to approve and adopt the proposed Initial Study/Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program (IS/MND/MMRP); and also approve Development Plan Approval Case No. 980 to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements for the subject property located at 11401 Greenstone Avenue, subject to conditions attached hereto as Exhibit A.

ADOPTED and APPROVED this 12th day of July, 2021 BY THE PLANNING COMMISSION OF THE CITY OF SANTA FE SPRINGS.

Ken Arnóld, Chairpersor

ATTEST:

Teresa Cavallo, Planning Secretary



Date of Report: March 28, 2022

Attachment No. 9



T 510.836.4200 F 510.836.4205 1939 Harrison Street, Ste. 150 Oakland, CA 94612 www.lozeaudrury.com richard@lozeaudrury.com

VIA EMAIL AND OVERNIGHT MAIL

July 22, 2021

Janet Martinez, CMC, City Clerk City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 JanetMartinez@santafesprings.org

Vince Velasco, Associate Planner Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 vincevelasco@santafesprings.org Wayne M. Morrell, Director Planning Department City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 waynemorrell@santafesprings.org

Planning Commission City of Santa Fe Springs 11710 Telegraph Road Santa Fe Springs, CA 90670 planning@santafesprings.org

Re: Appeal of Planning Commission Decision for DPA 980 (Industrial Building at 11401 Greenstone Avenue)

Dear City Clerk Martinez,

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 137,000 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project"). The City of Santa Fe Springs ("City") has prepared a mitigated negative declaration ("MND") for the Project. We request that the City prepare an environmental impact report ("EIR") for the Project because there is a fair argument that the Project may have adverse environmental impacts.

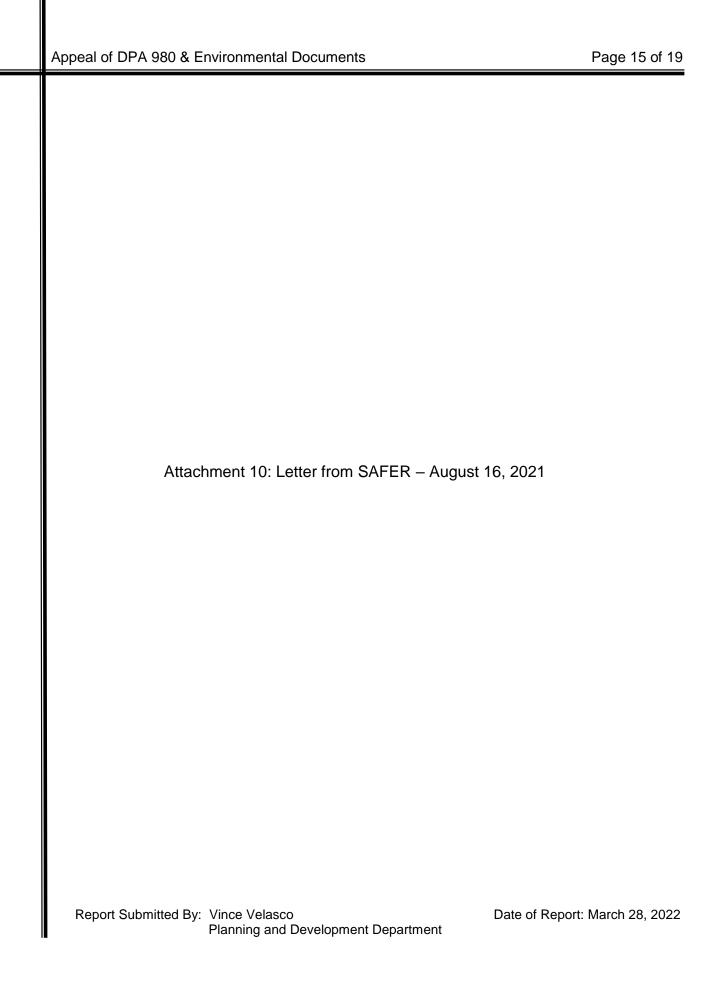
Pursuant to Santa Fe Springs Municipal Code section 155.865, SAFER hereby appeals the July 12, 2021 decision of the Planning Commission approving the MND for the Project and granting the Project approvals. We request a hearing before the City Council.

Please notify us of the hearing date and any CEQA decisions pursuant to Public Resources Code section 21092.2 and 21167(f). Thank you.

Sincerely,

Richard Drury

Lozeau | Drury LLP





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VIA EMAIL AND OVERNIGHT MAIL

August 16, 2021

Mayor John M. Mora
And Honorable Members of the
City Council
City of Santa Fe Springs
11710 Telegraph Road
Santa Fe Springs, CA 90670
CityCouncil@santafesprings.org
CityClerk@santafesprings.org

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Re: CEQA and Land Use Notice Request for DPA 980 (Industrial Building at 11401 Greenstone Avenue)

Dear Mayor Mora, City Council Members, Mr. Velasco, Mr. Morrell, and Ms. Martinez,

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 144,434 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project"). The City of Santa Fe Springs ("City") has prepared a mitigated negative declaration ("MND") for the Project. We request that the City prepare an environmental impact report ("EIR") for the Project because there is a fair argument that the Project may have adverse environmental impacts. We have timely appealed the decision of the Planning Commission to approve the Project and the MND.

These comments are supported by the comments of the expert consulting firm, Soil Water Air Protection Enterprise ("SWAPE"), authored by Dr. Paul Rosenfeld, Ph.D. and Matthew Hagemann, C. Hg. (Exhibit 1). We incorporate the SWAPE comments herein by reference. As explained below and in the SWAPE comments, there is a fair argument that the proposed Project may have significant adverse environmental

impacts, and an environmental impact report ("EIR") is therefore required. In particular, SWAPE demonstrates that the MND relies on improper and unsubstantiated input parameters for its air quality analysis which result in a significant underestimation of the Project's air impacts. SWAPE also concludes that the Project will create significant cancer risks exceeding CEQA significance thresholds of the South Coast Air Quality Management District ("SCAQMD"). SWAPE further concludes that the MND contains a patently inadequate energy impact analysis that fails to comply with the requirements of CEQA. As such, there is a fair argument that the Project may have adverse environmental impacts and an EIR is required to analyze and mitigate the Project's impacts.

A. Failure to Provide Notice

On April 1, 2021, SAFER sent a written notice request letter requesting notice of any document released pursuant to the California Environmental Quality Act ("CEQA"), including any MND, EIR or CEQA exemption. (Exhibit 2). The April 2 request was filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government Code Section 65092, which require local agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body.

The City released an MND for the Project on May 21, 2021, but the City failed to provide us with notice of the MND. As a result, we were denied our right to have at least 20-days to review and comments on the MND. The City's staff report includes a report from Blodgett Baylosis Environmental Planning ("BBEP"). BBEP admits that the City failed to provide written notice of the MND to SAFER, but instead merely posted a notice of intent to adopt the MND with the Los Angeles County Clerk. Thus, BBEP admits that the City violated the clear mandates of CEQA. CEQA requires the City of provide written notices to entities that request notice pursuant to Section 21092.2. Simply posting notice with the County Clerk does not satisfy this mandatory duty. SAFER intends to seek a writ of mandate requiring the City to comply with this mandatory duty.

B. There is a Fair Argument that the Project May Have Adverse Environmental Impacts.

1. Legal Standard.

As the Supreme Court held, "If no EIR has been prepared for a nonexempt project, but substantial evidence in the record supports a fair argument that the project may result in significant adverse impacts, the proper remedy is to order preparation of an EIR." (Communities for a Better Environment v. South Coast Air Quality Management Dist. (ConocoPhillips) (2010) 48 Cal. 4th 310, 319-320 ("CBE v. SCAQMD"), citing, No Oil, Inc. v. City of Los Angeles, 13 Cal.3d at pp. 75, 88; Brentwood Assn. for No Drilling, Inc. v. City of Los Angeles (1982) 134 Cal. App. 3d

491, 504–505) "The 'foremost principle' in interpreting CEQA is that the Legislature intended the act to be read so as to afford the fullest possible protection to the environment within the reasonable scope of the statutory language." (*Communities for a Better Environment v. Calif. Resources Agency* (2002) 103 Cal. App. 4th 98, 109.)

The EIR is the very heart of CEQA. (Bakersfield Citizens for Local Control v. City of Bakersfield (2004) 124 Cal.App.4th 1214; Pocket Protectors v. City of Sacramento (2004) 124 Cal. App. 4th 903, 927) The EIR is an "environmental 'alarm bell' whose purpose is to alert the public and its responsible officials to environmental changes before they have reached the ecological points of no return." Bakersfield Citizens, 124 Cal.App.4th at 1220. The EIR also functions as a "document of accountability," intended to "demonstrate to an apprehensive citizenry that the agency has, in fact, analyzed and considered the ecological implications of its action." Laurel Heights Improvements Assn. v. Regents of University of California (1988) 47 Cal.3d 376, 392. The EIR process "protects not only the environment but also informed self-government." Pocket Protectors, 124 Cal.App.4th 927.

An EIR is required if "there is substantial evidence, in light of the whole record before the lead agency, that the project may have a significant effect on the environment." Pub. Res. Code § 21080(d) (emphasis added); see also *Pocket Protectors*, 124 Cal.App.4th at 927. In very limited circumstances, an agency may avoid preparing an EIR by issuing a negative declaration, a written statement briefly indicating that a project will have no significant impact thus requiring no EIR (CEQA Guidelines § 15371), only if there is not even a "fair argument" that the project will have a significant environmental effect. Pub. Res. Code §§ 21100, 21064. Since "[t]he adoption of a negative declaration . . . has a terminal effect on the environmental review process," by allowing the agency "to dispense with the duty [to prepare an EIR]," negative declarations are allowed only in cases where "the proposed project will not affect the environment at all." *Citizens of Lake Murray v. San Diego*, 129 Cal.App.3d 436, 440 (1989). CEQA contains a "*preference for resolving doubts in favor of environmental review*." *Pocket Protectors*, 124 Cal.App.4th at 927 (emphasis in original).

2. The MND's Analysis of Energy Impacts is Conclusory and Fails to Provide Substantial Evidence that the Project's Energy Impacts will be less than Significant.

SWAPE concludes that the MND contains a patently inadequate energy analysis. (SWAPE, 15-18). SWAPE points out that there are numerous mitigation measures that are feasible to reduce the Project's impacts that should be considered in an EIR.

The MND devoted less than two pages to its energy analysis. (MND, pp. 44-45.) The MND relies on the Project's compliance with Title 24 regulations to conclude that the impact is less than significant. However, compliance with existing standards does

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not provide substantial evidence that the Project's energy impacts are less than significant.

The standard under CEQA is whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources. Failing to undertake "an investigation into renewable energy options that might be available or appropriate for a project" violates CEQA. (*California Clean Energy Committee v. City of Woodland* (2014) 225 Cal.App.4th 173, 213.) Energy conservation under CEQA is defined as the "wise and efficient use of energy." (CEQA Guidelines, app. F, § I.) The "wise and efficient use of energy" is achieved by "(1) decreasing overall per capita energy consumption, (2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and (3) increasing reliance on renewable energy resources." (*Id.*)

Simply requiring compliance with the California Building Energy Efficiency Standards (Cal.Code Regs., tit. 24, part 6 (Title 24) does not constitute an adequate analysis of energy. (*Ukiah Citizens for Safety First v. City of Ukiah* (2016) 248 Cal.App.4th 256, 264-65 (*Ukiah Citizens*).) Similarly, the court in *City of Woodland* held unlawful an energy analysis that relied on compliance with Title 24, that failed to assess transportation energy impacts, and that failed to address renewable energy impacts. (*City of Woodland, supra,* 225 Cal.App.4th at pp. 209-13.) As such, the MND's reliance on Title 24 compliance does not satisfy the requirements for an adequate discussion of the Project's energy impacts.

BBEP admits that the MND merely relies on compliance with Title 24 for energy compliance, but contends that this is sufficient analysis under CEQA. (BBEP 5). First, the BBEP letter is unsigned. Therefore, there is no expert or any person with any credentials making the statements in the BBEP letter. It is unclear whether the author of the BBEP letter has any qualifications whatsoever relevant to the statements made in the letter. As such the BBEP letter lacks any credibility and does not constitute substantial evidence. (*Citizens' Com. to Save Our Vill. v. City of Claremont*, 37 Cal. App. 4th 1157, 1171, 44 Cal. Rptr. 2d 288 (1995)). Second the BBEP letter patently misstates the law. This is not surprising since BBEP appears not to be a law firm or entity qualified to provide legal advice.

The MND summarily concludes that the Project would not result in the inefficient, wasteful and unnecessary consumption of energy. There is no discussion of the Project's cost effectiveness in terms of energy requirements. There is no discussion of energy consuming equipment and processes that will be used during the construction or operation of the Project, including the energy necessary to power construction equipment, forklifts, heating, cooling, truck refrigeration units, etc. The Project's energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, and maintenance were not identified. The effect of the Project on peak and base period demands for electricity has not been addressed. As such, the

MND's conclusions are unsupported by the necessary discussions of the Project's energy impacts under CEQA.

3. Substantial Evidence Supports a Fair Argument that the Project Will Result in Significant Unmitigated Impacts to Air Quality By Failing to Input Correct Parameters into the IS/MND's Emissions Calculations.

The IS/MND used the California Emissions Estimator Model Version CalEEMod.2020.4.0 ("CalEEMod") to calculate emissions from the Project. However, SWAPE concludes that several of the assumptions used and values input into CalEEMod were inconsistent with both information disclosed in the IS/MND as well as recommended procedures and values set forth by the South Coast Air Quality Management District ("SCAQMD"). Had the Project's emissions been calculated using the correct parameters, the Project would have a potentially significant impact on air quality. As such, the Project's air quality impacts have not been properly analyzed and mitigated. Accordingly, the following points constitute substantial evidence that support a fair argument that the IS/MND failed to properly calculate the Project's emissions and that the Project will thus have significant unmitigated impacts. (SWAPE 3).

a. The IS/MND Improperly Assumes That the Project Will Not Involve Refrigeration.

The IS/MND significantly underestimated the Project's operational emissions by assuming that all warehouses at the Project will be unrefrigerated. The CalEEMod calculations were premised entirely on the notion that the proposed industrial building was modeled as an unrefrigerated warehouse. (IS/MND 14.) However, the IS/MND is clear that the future tenant of the industrial building is not currently known. (IS. 19). The CalEEMod output files demonstrate that the model fails to include any refrigerated warehouse space. (IS/MND 107).

SCAQMD requires the use of a conservative air quality impact analysis to afford the fullest possible protection of the environment. As discussed by the South Coast Air Quality Management District (SCAQMD), "CEQA requires the use of 'conservative analysis' to afford 'fullest possible protection of the environment." In this case, a conservative analysis would dictate modeling the proposed warehouse as either entirely or partially refrigerated. SWAPE's letter explains that refrigerated warehouses release more air pollutants and greenhouse gas ("GHG") emissions when compared to unrefrigerated warehouses. Thus, by failing to include refrigerated warehouses a

¹ "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Inland Empire Logistics Council, June 2014, *available at*: http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/final-ielc 6-19-2014.pdf?sfvrsn=2

potential land use in the CalEEMod calculations, the Project's operational emissions may be substantially underestimated, and would thus likely result in a significant impact on regional air quality. This constitutes substantial evidence that an EIR should be prepared to evaluate the impacts of the Project's operational emissions and to mitigate those impacts.

b. Failure to Model All Proposed Land Use Types.

The Project proposes to include 205 parking spaces and 16 truck doors. (IS/MND 15, Table 2-1). However, the CalEEMod output files show *that the models fails to include any parking whatsoever.* (IS/MND, App. A, p. 107). Thus, the model clearly underestimates overall Project emissions. (SWAPE 5-6).

c. Failure to Model Demolition Activities.

The Project includes the demolition of an existing office and maintenance building. (MND 12). Demolition involves activities including haul trips for demolition debris. The CalEEMod output files show zero emissions from haul trips. (IS/MND, App. A, p. 112; SWAPE 6). SWAPE concludes that the MND fails to include emissions from haul trips, dust generated during demolition, exhaust emissions from trucks and other emissions. As such, the overall Project emissions are clearly underestimated. (SWAPE 6-7).

d. Failure to Include Proposed Construction Schedule.

The MND's CalEEMod output files show that unsubstantiated changes have been made to the default construction schedule, which result in a reduction in Project emissions. (SWAPE 7). The MND itself states that construction will take approximately nine months to complete. (MND 15). However, the CalEEMod model assumed an 11-month construction schedule. (IS/MND, App. A, p. 111; SWAPE 7). SWAPE explains that by spreading out construction emissions over a longer period of time, the MND improperly minimized daily construction emissions. (SWAPE 8).

e. Unsubstantiated Reductions in Grading Values.

SWAPE concludes that the CalEEMod model improperly reduced the amount of grading for the Project, resulting in an unsubstantiated reduction in emissions. (SWAPE 9). The CalEEMod grading values were reduced from 15 to 8 acres for the grading phase and from 22.5 to 7.5 acres for the paving phase. (SWAPE 9). This result in a significant underestimation of Project emissions without proper justification.

f. Failure to Evaluate Excavation Emissions.

The Los Angeles Regional Water Quality Control Board has issued a Remedial Action Plan that requires excavation of 3,300 cubic ward of contaminated soil from the Project site. (SWAPE 9). Therefore, the CalEEMod model should include emissions from excavation and hauling of 3,300 cubic yards of soil. However, the air quality analysis fails to include any emissions whatsoever from excavation. (SWAPE 9-10). As such the MND underestimates overall Project emissions.

g. The IS/MND Incorrectly Relies on the Fontana Truck Trip Study to for the Truck Trip Rate and for the Fleet Mix.

The IS/MND relies upon an artificially low truck trip rate and truck fleet mix percentage to model the Project's operational emissions, and as a result the Project's mobile-source emissions are greatly underestimated. (SWAPE 1-2).

The IS/MND's Traffic Impact Analysis and AQ/GHG Assessment rely on the August 2003 City of Fontana *Truck Trip Generation Study* ("Fontana Study"),² to determine the number of passenger car and heavy-duty truck trips the Project will generate during operation (SWAPE 2). The SCAQMD has advised against reliance on the Fontana Study. According to SCAQMD Staff, the Fontana Study has limited applicability. As a result, the Fontana Study should not be relied upon to determine the Project's mobile-source emissions.

According to SCAQMD staff, the "Fontana Study, by itself, is not characteristic of warehouses." Furthermore, SCAQMD staff finds the following additional issues with the Fontana Study: 4

• The overall trip rate is based on only four warehouses total, which includes two warehouses with zeros. In other words, the results of the Fontana Study were based

http://www.fontana.org/DocumentCenter/Home/View/622

² "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*:

³ "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Mobile Source Committee, July 2014, *available at*: <a href="http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2, p. 10

⁴ "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Mobile Source Committee, July 2014, *available at*: http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2">http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf

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on only two data points. As is disclosed in the Fontana Study, the daily trip rate was only based on data from a Target warehouse and a TAB warehouse.⁵

- The Fontana Study does not report any 24-hour daily truck trip rates. According to the Fontana Study, "Trip generation statistics for daily truck trips were not calculated because vehicle classifications counts could not be obtained from the driveway 24hour counts."⁶
- The trip rates using the Fontana study are calculated based on a 20 percent truck fleet mix, which is inconsistent with SCAQMD's recommendation that agencies use a truck fleet mix of 40%.

Due to these reasons, SCAQMD recommends that Project Applicants either "use ITE default values until Governing Board action" (Option 1) or refer to the flow chart set forth in the SWAPE comments at page 6 (Option 2). ⁷ Thus, the IS/MND's improper reliance on the Fontana Study misrepresented the actual air quality impacts of the Project. An EIR should be prepared that adequately assesses and mitigates these impacts.

4. Substantial Evidence Supports a Fair Argument that the Project Will Result in Significant Unmitigated Impacts to Human Health from Diesel Particulate Emissions Associated with Project Construction.

The IS/MND includes no health risk assessment ("HRA"). SWAPE has prepared a detailed HRA concluding that the Project will create significant cancer risks from diesel particulate matter ("DPM") from emissions of trucks and construction equipment. (SWAPE 10-15). The Supreme Court has held that a CEQA document must analyze the human health risks of a proposed Project. (*Sierra Club v. Co. of Fresno*, 6 Cal. 5th 502, 518, 431 P.3d 1151, 1163 (2018)).

SWAPE prepared a health risk assessment which demonstrates that construction related DPM emissions from the Project exceed applicable CEQA significance thresholds. SWAPE concludes:

As demonstrated in the table above, the excess cancer risk to adults, children, infants, and during the 3rd trimester of pregnancy at the MEIR located

⁵ "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*:

http://www.fontana.org/DocumentCenter/Home/View/622, p. 35

⁶ "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, *available at*:

http://www.fontana.org/DocumentCenter/Home/View/622, p. 6

⁷ "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Mobile Source Committee, July 2014, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2, p. 11

approximately 300 meters away, over the course of Project construction and operation, utilizing ASFs, are approximately 0.28, 2.6, 8.0, and 1.2 in one million, respectively. We estimate an excess cancer risk of approximately 12 in one million over the course of a residential lifetime (30 years), utilizing ASFs. The infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, thus resulting in a potentially significant impact not previously addressed or identified by the IS/MND.

(SWAPE, p. 14).

Mr. Hagemann's analysis provides substantial evidence supporting a fair argument that construction emissions from the Project may have significant impacts on human health and the environment. Accordingly, the City must prepare an EIR to analyze these impacts and evaluate potential mitigation measures to address the impacts.

5. IS/MND Fails to Impose All Feasible Mitigation Measures.

SWAPE points out that there are dozens of feasible mitigation measures that have been imposed on other similar projects that should be required for the Project. (SWAPE 16). However, since an MND was prepared rather than an EIR, these mitigation measures were not imposed. An EIR should be prepared to analyze all feasible mitigation measures to reduce the Project's significant impacts.

One of the fundamental purposes of CEQA is to ensure that all feasible mitigation measures are imposed to reduce Project impacts. CEQA requires public agencies to avoid or reduce environmental damage when "feasible" by requiring "environmentally superior" alternatives and mitigation measures. (CEQA Guidelines § 15002(a)(2) and (3); See also, Berkeley Jets, 91 Cal. App. 4th 1344, 1354; Citizens of Goleta Valley v. Board of Supervisors (1990) 52 Cal.3d 553, 564) The EIR serves to provide agencies and the public with information about the environmental impacts of a proposed project and to "identify ways that environmental damage can be avoided or significantly reduced." (Guidelines §15002(a)(2)) If the project will have a significant effect on the environment, the agency may approve the project only if it finds that it has "eliminated or substantially lessened all significant effects on the environment where feasible" and that any unavoidable significant effects on the environment are "acceptable due to overriding concerns." (Pub.Res.Code § 21081; 14 Cal.Code Regs. § 15092(b)(2)(A) & (B))

In general, mitigation measures must be designed to minimize, reduce or avoid an identified environmental impact or to rectify or compensate for that impact. (CEQA Guidelines § 15370.) Where several mitigation measures are available to mitigate an impact, each should be discussed and the basis for selecting a particular measure should be identified. (*Id.* at § 15126.4(a)(1)(B).) A lead agency may not make the required CEQA findings unless the administrative record clearly shows that all

uncertainties regarding the mitigation of significant environmental impacts have been resolved.

CEQA requires the lead agency to adopt feasible mitigation measures that will substantially lessen or avoid the Project's potentially significant environmental impacts (Pub. Res. Code §§ 21002, 21081(a)), and describe those mitigation measures in the CEQA document. (Pub. Res. Code § 21100(b)(3); CEQA Guidelines § 15126.4.) A public agency may not rely on mitigation measures of uncertain efficacy or feasibility. (Kings County Farm Bureau v. City of Hanford (1990) 221 Cal.App.3d 692, 727 (finding groundwater purchase agreement inadequate mitigation measure because no record evidence existed that replacement water was available).) "Feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, legal, social and technological factors. (CEQA Guidelines § 15364.) Mitigation measures must be fully enforceable through permit conditions, agreements or other legally binding instruments. (Id. at § 15126.4(a)(2).)

A lead agency may not conclude that an impact is significant and unavoidable without requiring the implementation of all feasible mitigation measures to reduce the impacts of a project to less than significant levels. (CEQA Guidelines §§ 15126.4, 15091.)

SWAPE concludes that the following mitigation measures should be considered in an EIR:

- Requiring off-road construction equipment to be zero-emission, where available, and all diesel-fueled off-road construction equipment, to be equipped with CARB Tier IV-compliant engines or better, and including this requirement in applicable bid documents, purchase orders, and contracts, with successful contractors demonstrating the ability to supply the compliant construction equipment for use prior to any ground-disturbing and construction activities.
- Prohibiting off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.
- Requiring on-road heavy-duty haul trucks to be model year 2010 or newer if diesel-fueled.
- Providing electrical hook ups to the power grid, rather than use of diesel-fueled generators, for electric construction tools, such as saws, drills and compressors, and using electric tools whenever feasible.
- Limiting the amount of daily grading disturbance area.
- Prohibiting grading on days with an Air Quality Index forecast of greater than 100 for particulates or ozone for the project area.
- Forbidding idling of heavy equipment for more than two minutes.
- Keeping onsite and furnishing to the lead agency or other regulators upon request, all equipment maintenance records and data sheets, including design specifications and emission control tier classifications.

- Conducting an on-site inspection to verify compliance with construction mitigation and to identify other opportunities to further reduce construction impacts.
- Using paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L.
- Providing information on transit and ridesharing programs and services to construction employees.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations for construction employees.
- Requiring that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2010 model-year emissions equivalent engine standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.
- Requiring all heavy-duty vehicles entering or operated on the project site to be zero-emission beginning in 2030.
- Requiring on-site equipment, such as forklifts and yard trucks, to be electric with the necessary electrical charging stations provided.
- Requiring tenants to use zero-emission light- and medium-duty vehicles as part of business operations.
- Forbidding trucks from idling for more than two minutes and requiring operators to turn off engines when not in use.
- Posting both interior- and exterior-facing signs, including signs directed at all dock and delivery areas, identifying idling restrictions and contact information to report violations to CARB, the air district, and the building manager.
- Installing and maintaining, at the manufacturer's recommended maintenance intervals, air filtration systems at sensitive receptors within a certain radius of facility for the life of the project.
- Installing and maintaining, at the manufacturer's recommended maintenance intervals, an air monitoring station proximate to sensitive receptors and the facility for the life of the project, and making the resulting data publicly available in real time. While air monitoring does not mitigate the air quality or greenhouse gas impacts of a facility, it nonetheless benefits the affected community by providing information that can be used to improve air quality or avoid exposure to unhealthy air.
- Constructing electric truck charging stations proportional to the number of dock doors at the project.
- Constructing electric plugs for electric transport refrigeration units at every dock door, if the warehouse use could include refrigeration.
- Installing solar photovoltaic systems on the project site of a specified electrical generation capacity, such as equal to the building's projected energy needs.
- Requiring all stand-by emergency generators to be powered by a non-diesel fuel.

- Requiring facility operators to train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.
- Requiring operators to establish and promote a rideshare program that discourages single occupancy vehicle trips and provides financial incentives for alternate modes of transportation, including carpooling, public transit, and biking.
- Meeting CalGreen Tier 2 green building standards, including all provisions related to designated parking for clean air vehicles, electric vehicle charging, and bicycle parking.
- Achieving certification of compliance with LEED green building standards.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations.
- Posting signs at every truck exit driveway providing directional information to the truck route.
- Improving and maintaining vegetation and tree canopy for residents in and around the project area.
- Requiring that every tenant train its staff in charge of keeping vehicle records in
 diesel technologies and compliance with CARB regulations, by attending CARBapproved courses. Also require facility operators to maintain records on-site
 demonstrating compliance and make records available for inspection by the local
 jurisdiction, air district, and state upon request.
- Requiring tenants to enroll in the United States Environmental Protection Agency's SmartWay program, and requiring tenants to use carriers that are SmartWay carriers.
- Providing tenants with information on incentive programs, such as the Carl Moyer Program and Voucher Incentive Program, to upgrade their fleets.

(SWAPE 15-18).

An EIR should be prepared to analyze all feasible mitigation measures to reduce the Project's significant environmental impacts.

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C. CONCLUSION

For the foregoing reasons, SAFER requests that the City continue the City Council hearing for at least 20-days to provide the legally required public comment period. We also request that the City prepare an environmental impact report ("EIR") to analyze and mitigate the Project's significant adverse environmental impacts. Thank you.

Sincerely,

Richard Drury

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EXHIBIT 1



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Subject: Comments on the Greenstone Ave Industrial Development Project

Dear Mr. Drury,

We have reviewed the May 2021 Initial Study & Mitigated Negative Declaration ("IS/MND") for the Greenstone Avenue Industrial Development Project ("Project") located in the City of Santa Fe Springs ("City"). The Project proposes to construct a 144,434-SF building, including 134,995-SF of warehouse space, 5,421-SF of office space, 4,018-SF of storage space, and a 6,958-SF mezzanine, as well as 205 parking spaces and 16 loading docks, on the 6.63-acre site.

Our review concludes that the IS/MND fails to adequately evaluate the Project's air quality, health risk, and greenhouse gas impacts. As a result, emissions and health risk impacts associated with construction and operation of the proposed Project are underestimated and inadequately addressed. An EIR should be prepared to adequately assess and mitigate the potential air quality, health risk, and greenhouse gas impacts that the project may have on the surrounding environment.

Air Quality

Incorrect Use of the Fontana Truck Trip Study

According to the Traffic Impact Study ("TIS"), the Project relies upon the on the City of Fontana's August 2003 *Truck Trip Generation Study* ("Fontana Study")¹ to determine the operational vehicle fleet mix for the Project's trip generation calculations (see excerpt below) (p. 22, Table 6).

¹ "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, available at: http://www.fontana.org/DocumentCenter/Home/View/622

TABLE 6
TRIP GENERATION BY GREENSTONE WAREHOUSE

ITE				Trip	Gener	ation R	ate ¹			Average Traffic Volume					
Code/	Size &	Daily	AM	Peak F	lour	PM	Peak H	our	Daily	AM	Peakl	lour	PM	Peak I	lour
Land Use	Unit	Total	Total	%IN	%OUT	Total	%IN	%OUT	Total	IN	OUT	Total	IN	OUT	Total
					Total V	ehicle	Trip Ge	neratio	n						
W/Hse (150)	144.41 KSF	1.74	0.17	77%	23%	0.19	27%	73%	251	19	6	25	7	20	27
			Vehic	le Mix	and Pa	ssenge	r Car E	quivale	nt (PCE) Trip	s				
					hicle Tr				,	, ,		E Trip	S		
Vehicle	Trip %	Daily	AM	Peak F	lour	PM	Peak H	our	Daily	AM	Peak I	lour	PM	Peak I	lour
Mix		Total	IN	OUT	Total	IN	OUT	Total	Total	IN	OUT	Total	IN	OUT	Total
Car (PCE=1.0)	79.57%	200	15	4	19	5	16	21	200	15	5	20	6	16	22
2-axle Truck (PCE=2.0)	3.46%	9	1	0	1	1	1	2	17	1	1	2	0	1	1
3-axle Truck (PCE=2.0)	4.64%	11	1	1	2	0	1	1	23	2	0	2	1	2	3
4-axle Truck (PCE=3.0)	12.33%	31	2	1	3	1	2	3	93	7	2	9	3	7	10
			TAL TE	UDG INI	DCF.				222	25		22	40	26	26
		10) IAL II	RIPS IN	PCE:				333	25	8	33	10	26	36
Note:	All trip r "Trip Ge						of Trai	nsporta	tion En	ginee	rs (ITE)'s pul	olicati	on ma	inual
	¹ Trip rates for Warehouse (ITE Code 150) from Institute of Transportation Engineers (ITE), "Trip Generation" manual, 10th Edition, 2017														
	² Vehicle Trip Ger						ouse (I	TE Code	e 1 50) f	rom t	he City	y of Fo	ntana	, "Tru	ck

As you can see in the excerpt above, the TIS utilizes the Fontana Study to determine the operational vehicle fleet mix for the Project's trip generation calculations. However, SCAQMD staff have determined that the Fontana Study has limited applicability to warehouse projects. As a result, the Fontana Study should not be relied upon to determine the Project's operational mobile-source emissions. Specifically, the SCAQMD staff found the following issues with the Fontana Study: ²

• The overall trip rate is based on only four warehouses total, which includes two warehouses with zeros. In other words, *the results of the Fontana Study were based on only two data points*. As is

² "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Mobile Source Committee, July 2014, *available at*: http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/finaltrucktripstudymsc072514.pdf?sfvrsn=2, p. 10

- disclosed in the Fontana Study, the daily trip rate was only based on data from a Target warehouse and a TAB warehouse.³
- The Fontana Study <u>does not report any 24-hour daily truck trip rates</u>. According to the Fontana Study, "[t]rip generation statistics for daily truck trips were not calculated because vehicle classifications counts could not be obtained from the driveway 24-hour counts" (emphasis added).⁴

As demonstrated in the excerpt above, the Fontana Study is unreliable due to the fact that it only evaluated <u>two</u> data points and <u>zero</u> 24-hour daily truck trip rates. As such, the TIS should not rely upon the Fontana Study to estimate the operational vehicle fleet mix associated with the proposed warehouse land use. A revised TIS should be prepared and included in an EIR that adequately assesses the Project's transportation-related impacts.

Unsubstantiated Input Parameters Used to Estimate Project Emissions

The IS/MND's air quality analysis relies on emissions calculated with CalEEMod V.2020.4.0 (p. 31).⁵ CalEEMod provides recommended default values based on site-specific information, such as land use type, meteorological data, total lot acreage, project type and typical equipment associated with project type. If more specific project information is known, the user can change the default values and input project-specific values, but the California Environmental Quality Act ("CEQA") requires that such changes be justified by substantial evidence.⁶ Once all of the values are inputted into the model, the Project's construction and operational emissions are calculated, and "output files" are generated. These output files disclose to the reader what parameters were utilized in calculating the Project's air pollutant emissions and make known which default values were changed as well as provide justification for the values selected.⁷

When reviewing the Project's CalEEMod output files, provided in the Air Quality Worksheets ("AQ Worksheets") as Appendix A to the IS/MND, we found that several model inputs were not consistent with information disclosed in the IS/MND. As a result, the Project's construction and operational emissions are underestimated. An EIR should be prepared to include an updated air quality analysis that adequately evaluates the impacts that construction and operation of the Project will have on local and regional air quality.

Failure to Consider Cold Storage Requirements

Review of the Project's CalEEMod output files demonstrates that the model fails to consider potential cold storage requirements. As a result, the Project's operational emissions may be underestimated.

³ "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, available at: http://www.fontana.org/DocumentCenter/Home/View/622, p. 35

⁴ "Truck Trip Generation Study." City of Fontana, County of San Bernardino, State of California, August 2003, available at: http://www.fontana.org/DocumentCenter/Home/View/622, p. 6

⁵ CalEEMod User Guide, available at: http://www.caleemod.com/.

⁶ CalEEMod User Guide, available at: http://www.caleemod.com/, p. 1, 9.

⁷ CalEEMod User Guide, available at: http://www.caleemod.com/, p. 11, 12 – 13. A key feature of the CalEEMod program is the "remarks" feature, where the user explains why a default setting was replaced by a "user defined" value. These remarks are included in the report.

Regarding the proposed Project, the IS/MND states:

"The proposed project will involve the construction of a new 144,434 square foot <u>warehouse</u> <u>building</u> within the 6.63-acre site" (emphasis added) (IS/MND, p. 14).

Furthermore, the IS/MND goes on to state:

"The specific business and/or tenant(s) that would ultimately occupy the proposed building are not known at this time" (IS/MND, p. 19).

As the excerpts above demonstrate, the IS/MND specifies that future tenants of the proposed warehouse are unknown. As such, *the warehouse may require cold storage*. However, review of the CalEEMod output files demonstrates that the model fails to include any amount of refrigerated warehouse space (see excerpt below) (IS/MND, Appendix A, pp. 107).

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	144.43	1000sqft	3.32	144,434.00	0

As you can see in the excerpt above, the model fails to account for cold storage requirements whatsoever. This inadequacy presents an issue, as refrigerated warehouses release more air pollutants and greenhouse gas ("GHG") emissions when compared to unrefrigerated warehouses for three reasons. First, warehouses equipped with cold storage (refrigerators and freezers, for example) are known to consume more energy when compared to warehouses without cold storage. Second, warehouses equipped with cold storage typically require refrigerated trucks, which are known to idle for much longer when compared to unrefrigerated hauling trucks. Third, according to an October 2016 Institute of Transportation Engineers ("ITE") report entitled *High-Cube Warehouse Vehicle Trip Generation Analysis*, cold storage warehouses result in greater trip rates when compared to transload & short-term storage warehouses. Furthermore, as is discussed by the SCAQMD, "CEQA requires the use of 'conservative analysis' to afford 'fullest possible protection of the environment.'" As such, the warehouse land use should have been modeled as refrigerated space in order account for the additional emissions that refrigeration requirements may generate.

By modeling the Project's emissions without refrigerated warehouse space, the IS/MND may underestimate the Project's operational emissions and should not be relied upon to determine Project significance. An EIR should be prepared to account for the possibility of refrigerated warehouse needs by future tenants.

⁸ Managing Energy Costs in Warehouses, Business Energy Advisor, *available at*: http://bizenergyadvisor.com/warehouses

⁹ "Estimation of Fuel Use by Idling Commercial Trucks," p. 8, available at: http://www.transportation.anl.gov/pdfs/TA/373.pdf

¹⁰ "HIGH-CUBE WAREHOUSE VEHICLE TRIP GENERATION ANALYSIS." ITE, October 2016, available at: https://www.ite.org/pub/?id=a3e6679a%2De3a8%2Dbf38%2D7f29%2D2961becdd498, p. 13.

¹¹ "Warehouse Truck Trip Study Data Results and Usage" Presentation. SCAQMD Inland Empire Logistics Council, June 2014, *available at*: http://www.aqmd.gov/docs/default-source/ceqa/handbook/high-cube-warehouse-trip-rate-study-for-air-quality-analysis/final-ielc_6-19-2014.pdf?sfvrsn=2

Failure to Model All Proposed Land Use Types

According to the IS/MND, the Project includes 5,421-SF of office space within the proposed 144,434-SF warehouse building (p. 3). As such, the Project's CalEEMod model should have included 139,013-SF of "Refrigerated Warehouse-No Rail" and 5,421-SF of "General Office Building." However, review of the CalEEMod output files demonstrates that the model fails to include any office space (see excerpt below) (IS/MND, Appendix A, pp. 107).

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	144.43	1000sqft	3.32	144,434.00	0

As you can see in the excerpt above, the model fails to distinguish between the warehouse and office land uses. This inconsistency presents an issue, as CalEEMod includes 63 different land use types that are each assigned a distinctive set of energy usage emission factors. Furthermore, each land use type includes a specific trip rate that CalEEMod uses to calculate mobile-source emissions. Thus, by failing to input the proposed 139,013-SF of warehouse space and 5,421-SF of office space, the model may underestimate the Project's construction-related and operational emissions and should not be relied upon to determine Project significance.

Failure to Include Proposed Parking Land Use

According to the IS/MND, the Project proposes to include 205 parking spaces and 16 truck doors (see excerpt below) (p. 15, Table 2-1).

Project Element	Total Project
Parcel (Site) Area	288,935 sq. ft. (6.63 acres)
Building Floor Area	144,434 sq. ft.
Floor Area Ratio (FAR)	0.499 to 1.0
Lot Coverage	50%
Building Height	38 feet
Parking Stalls	205 parking spaces
Loading Docks	16 truck doors
Landscape Area	17,425 sq. ft.

As such, the model should have included 221 spaces of "Parking Lot." However, review of the CalEEMod output files demonstrates that the model fails to include any parking whatsoever (see excerpt below) (IS/MND, Appendix A, pp. 107).

¹² "CalEEMod User's Guide, Appendix D." CAPCOA, September 2016, available at:

http://www.aqmd.gov/docs/default-source/caleemod/upgrades/2016.3/05 appendix-d2016-3-1.pdf?sfvrsn=2.

¹³ CalEEMod User's Guide, available at: http://www.aqmd.gov/docs/default-source/caleemod/upgrades/2016.3/01 user-39-s-guide2016-3-1.pdf?sfvrsn=2, p. 14.

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Heavy Industry	144.43	1000sqft	3.32	144,434.00	0

This omission presents an issue, as CalEEMod includes 63 different land use types that are each assigned a distinctive set of energy usage emission factors. ¹⁴ Furthermore, the land use size feature is used throughout CalEEMod to determine default variable and emission factors that go into the model's calculations. The square footage of parking land uses is used for certain calculations such as determining the area to be painted and stripped (i.e., VOC emissions from architectural coatings) and volume to be ventilated (i.e., energy impacts). ¹⁵ Thus, by failing to include the proposed parking land use, the model underestimates the Project's construction-related and operational emissions and should not be relied upon to determine Project significance.

Failure to Include Demolition

According to the IS/MND, "[a]n office and a maintenance building occupy the northeast corner of the property and these improvements will be removed when development commences" (p. 12). Furthermore, when describing the Project's anticipated grading and site preparation phases, the IS/MND states that "[a]II of the existing onsite improvements will be removed during this phase" (p. 15). As such, the IS/MND should have disclosed the specific square footage of buildings to be demolished or the tons of debris resulting from this demolition, as well as included the accurate amount of demolition in the model.

According to the CalEEMod User's Guide, "[h]aul trips are based on the amount of material that is demolished, imported or exported assuming a truck can handle 16 cubic yards of material." ¹⁶ Therefore, the air model calculates a default number of hauling trips based upon the amount of demolition material inputted into the model. However, review of the CalEEMod output files demonstrates that the model includes <u>zero</u> hauling trips (see excerpt below) (IS/MND, Appendix A, pp. 112).

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Demolition	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Site Preparation	7	18.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	61.00	24.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	8	20.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	12.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

As you can see in the excerpt above, the model failed to include any demolition in the model. This underestimation presents an issue, as the total amount of demolition material is used by CalEEMod to determine emissions associated with this phase of construction; the three primary operations that generate dust emission during the demolition phase are mechanical or explosive dismemberment, site

¹⁴ "CalEEMod User's Guide, Appendix D." CAPCOA, September 2016, *available at:* http://www.agmd.gov/docs/default-source/caleemod/upgrades/2016.3/05 appendix-d2016-3-1.pdf?sfvrsn=2.

¹⁵ "CalEEMod User Guide, available at: http://www.caleemod.com/, p. 2.

¹⁶ http://www.aqmd.gov/docs/default-source/caleemod/02 appendix-a2016-3-2.pdf?sfvrsn=6, p. 14

removal of debris, and on-site truck traffic on paved and unpaved road.¹⁷ By failing to include any demolition, the model underestimates the emissions associated with fugitive dust, site removal, as well as exhaust from hauling trucks traveling to and from the site, and should not be relied upon to determine the significance of the Project's air quality impacts.

Failure to Include Proposed Construction Schedule

Review of the CalEEMod output files demonstrates that the model includes unsubstantiated changes to the default individual construction phase lengths (see excerpt below) (IS/MND, Appendix A, pp. 107-108).

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	230.00	120.00
tblConstructionPhase	NumDays	8.00	15.00
tblConstructionPhase	NumDays	18.00	30.00
tblConstructionPhase	NumDays	5.00	15.00
tblConstructionPhase	PhaseEndDate	2/23/2023	11/18/2022
tblConstructionPhase	PhaseEndDate	1/4/2023	8/26/2022
tblConstructionPhase	PhaseEndDate	2/16/2022	3/11/2022
tblConstructionPhase	PhaseEndDate	1/30/2023	10/7/2022
tblConstructionPhase	PhaseEndDate	2/4/2022	2/18/2022
tblConstructionPhase	PhaseStartDate	1/31/2023	10/8/2022
tblConstructionPhase	PhaseStartDate	2/17/2022	3/12/2022
tblConstructionPhase	PhaseStartDate	2/5/2022	2/19/2022
tblConstructionPhase	PhaseStartDate	1/5/2023	8/27/2022

As a result of these changes, the model includes a construction schedule as follows (see excerpt below) (IS/MND, Appendix A, pp. 111):

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days
1	Demolition	Demolition	1/1/2022	1/28/2022	5	20
2	Site Preparation	Site Preparation	1/29/2022	2/18/2022	5	15
3	Grading	Grading	2/19/2022	3/11/2022	5	15
4	Building Construction	Building Construction	3/12/2022	8/26/2022	5	120
5	Paving	Paving	8/27/2022	10/7/2022	5	30
6	Architectural Coating	Architectural Coating	10/8/2022	11/18/2022	5	30

Furthermore, regarding the Project's anticipated construction schedule, the IS/MND states:

"The construction of the phase for the proposed project would take approximately <u>nine months</u> to complete. The key construction phases are outlined below:

¹⁷ CalEEMod User Guide: Appendix A, available at: http://www.caleemod.com/, p. 11.

- Grading and Site Preparation. The project site will be readied for the construction of the
 proposed project. All of the existing onsite improvements will be removed during this phase.
 This must be done prior to building construction. This phase will take approximately <u>one</u>
 <u>month</u> to complete.
- *Construction*. The new building will be constructed during this phase. This phase will take approximately *four months* to complete.
- *Paving*. This phase will involve the addition of paving of the roadway and parking areas. This phase will take approximately *two months* to complete.
- Landscaping and Finishing. This phase will involve the planting of landscaping, painting of the building, and the completion of the on-site improvements. This phase will last approximately *two months*" (emphasis added) (p. 15).

However, as you can see in the excerpts above, the model includes a construction schedule that is almost 11-months long, rather than the <u>9-month</u> schedule proposed by the IS/MND. Specifically, the site preparation and grading phases are a total of 2.5 months, rather than only one month. The building construction phase is 5.5 months, instead of the four-month building construction phase indicated by the IS/MND. Finally, the paving phase is not entirely two months as specified by the IS/MND.

The incorrect changes to the construction schedule present an issue, as they improperly spread out construction emissions over a longer period of time for some phases but not others. According to the CalEEMod User's Guide, each construction phase is associated with different emissions activities (see excerpt below).¹⁸

<u>Demolition</u> involves removing buildings or structures.

<u>Site Preparation</u> involves clearing vegetation (grubbing and tree/stump removal) and removing stones and other unwanted material or debris prior to grading.

<u>Grading</u> involves the cut and fill of land to ensure that the proper base and slope is created for the foundation.

<u>Building Construction</u> involves the construction of the foundation, structures and buildings.

<u>Architectural Coating</u> involves the application of coatings to both the interior and exterior of buildings or structures, the painting of parking lot or parking garage striping, associated signage and curbs, and the painting of the walls or other components such as stair railings inside parking structures.

<u>Paving</u> involves the laying of concrete or asphalt such as in parking lots, roads, driveways, or sidewalks.

As such, by disproportionately altering individual construction phase lengths without proper justification, the model's calculations are altered and may underestimate emissions. Thus, by including an unsubstantiated construction schedule, the model may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance.

¹⁸ "CalEEMod User's Guide." CAPCOA, November 2017, *available at*: http://www.aqmd.gov/docs/default-source/caleemod/01 user-39-s-guide2016-3-2 15november2017.pdf?sfvrsn=4, p. 31.

Unsubstantiated Reductions to Acres of Grading Values

Review of the CalEEMod output files demonstrates that the model includes reductions to the Project's default acres of grading values (see excerpt below) (IS/MND, Appendix A, pp. 108).

Table Name	Column Name	Default Value	New Value
tblGrading	AcresOfGrading	15.00	8.00
tblGrading	AcresOfGrading	22.50	7.50

As you can see in the excerpt above, the acres of grading values were reduced by approximately 47% for the grading phase, from the default value of 15 to 8 acres, and approximately 67% for the paving phase, from the default value of 22.5 to 7.5 acres. As previously mentioned, the CalEEMod User's Guide requires any changes to model defaults be justified. According to the "User Entered Comments & Non-Default Data" table, the justification provided for these changes is: "Site Plan" (IS/MND, Appendix A, pp. 107). However, review of the IS/MND reveals that these changes are not mentioned or substantiated whatsoever. As such, we cannot verify the revised acres of grading values.

These unsubstantiated reductions present an issue, as CalEEMod uses the acres of grading value to estimate the dust emissions associated with grading.²⁰ Thus, by including unsubstantiated reductions to the default acres of grading values, the models may underestimate the Project's construction-related emissions and should not be relied upon to determine Project significance.

Failure to Evaluate Air Quality Impacts from Excavation

According to a letter from the Los Angeles Regional Water Quality Control Board ("Regional Board") dated June 1, 2021, the July 2019 Remedial Action Plan Addendum ("RAP Addendum") proposes to excavate and remove 3,300 cubic yards ("cy") of contaminated soil from the site. ²¹ As such, the Project's air modeling should have included 3,300 cy of material export. However, review of the IS/MND demonstrates that the Project's air quality analysis fails to mention or quantify the air quality impacts of the proposed excavation whatsoever. Furthermore, review of the CalEEMod output files demonstrates that the model fails to include any amount of material export.

This omission presents an issue, as the inclusion of material export within the model is necessary to calculate emissions produced from material movement, including truck loading and unloading, and additional hauling truck trips. ²² As the IS/MND fails to evaluate the amount of material export required for the Project, the model underestimates the Project's construction-related emissions and should not

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¹⁹ CalEEMod User Guide, available at: http://www.caleemod.com/, p. 2, 9

²⁰ "Appendix A Calculation Details for CalEEMod." available at: http://www.aqmd.gov/docs/default-source/caleemod/02 appendix-a2016-3-2.pdf?sfvrsn=6, p. 9.

²¹ "CONDITIONAL APPROVAL OF REVISED REMEDIAL ACTION PLAN ADDENDUM." Los Angeles Regional Water Quality Control Board, June 2021, available at:

https://documents.geotracker.waterboards.ca.gov/regulators/deliverable_documents/1449994742/Riverside%20_Steel%20-%20Approval%20of%20Revised%20RAP%20Addendum%20and%20Feasibility%20Evaluation.pdf, p. 5.

²² CalEEMod User's Guide, available at: http://www.caleemod.com/, p. 2, 34.

be relied upon to determine Project significance. An EIR should be prepared to evaluate the air quality impacts resulting from the required excavation.

Diesel Particulate Matter Health Risk Emissions Inadequately Evaluated

The IS/MND fails to mention the Project's construction-related and operational toxic air contaminant ("TAC") emissions or conduct a quantified construction and operational health risk analysis ("HRA"). This is incorrect for three reasons.

First, construction of the proposed Project would produce diesel particulate matter ("DPM") emissions through the exhaust stacks of construction equipment over a potential construction period of approximately 9 months (p. 15). Furthermore, the TIS indicates that the Project would generate approximately 251 average daily vehicle trips, which would generate additional exhaust emissions and continue to exposure nearby sensitive receptors to DPM emissions (p. 22, Table 6). However, the IS/MND fails to discuss potential Project-generated TACs or indicate the concentrations at which such pollutants would trigger adverse health effects. Thus, without making a reasonable effort to connect the Project's construction-related and operational TAC emissions to the potential health risks posed to nearby receptors, the IS/MND is inconsistent with CEQA's requirement to correlate the increase in emissions generated by the Project with the potential adverse impacts on human health.

Second, the State of California Department of Justice recommends the preparation of a quantitative HRA pursuant to the Office of Environmental Health Hazard Assessment ("OEHHA"), the organization responsible for providing guidance on conducting HRAs in California, as well as local air district guidelines. 23 OEHHA released its most recent Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments in February 2015. This guidance document describes the types of projects that warrant the preparation of an HRA. The OEHHA document recommends that all shortterm projects lasting at least two months be evaluated for cancer risks to nearby sensitive receptors. As the Project's construction duration vastly exceeds the 2-month requirement set forth by OEHHA, it is clear that the Project meets the threshold warranting a quantified HRA under OEHHA guidance. Furthermore, the OEHHA document recommends that exposure from projects lasting more than 6 months be evaluated for the duration of the project and recommends that an exposure duration of 30 years be used to estimate individual cancer risk for the maximally exposed individual resident ("MEIR"). Even though we were not provided with the expected lifetime of the Project, we can reasonably assume that the Project will operate for at least 30 years, if not more. Therefore, we recommend that health risk impacts from Project operation also be evaluated, as a 30-year exposure duration vastly exceeds the 6month requirement set forth by OEHHA. These recommendations reflect the most recent state health risk policies, and as such, we recommend that an analysis of health risk impacts posed to nearby sensitive receptors from Project-generated DPM emissions be included in an EIR for the Project.

²³ "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act." State of California Department of Justice, *available at*: https://oag.ca.gov/sites/all/files/agweb/pdfs/environment/warehouse-best-practices.pdf, p. 6.

Third, by claiming a less than significant impact without conducting a quantified construction and operational HRA for nearby, existing sensitive receptors, the IS/MND fails to compare the excess health risk impact to the applicable SCAQMD numeric threshold of 10 in one million, and lacks evidence to support its conclusion that the health risk would be under the threshold.²⁴ Thus, pursuant to CEQA, an analysis of the health risk posed to nearby, existing receptors from Project construction and operation should have been conducted.

Screening-Level Analysis Indicates a Potentially Significant Health Risk Impact

In an effort to more accurately estimate Project's construction-related and operational emissions, we prepared updated CalEEMod models, using the Project-specific information provided by the IS/MND. In our updated model, we considered potential cold storage requirements; included the correct land use types and sizes, as well as the correct construction schedule, as proposed by the IS/MND; modeled the required amount of material export; and omitted the unsubstantiated changes to the acres of grading values.

In order to conduct our screening level risk assessment, we relied upon AERSCREEN, which is a screening level air quality dispersion model. ²⁵ The model replaced SCREEN3, and AERSCREEN is included in the OEHHA²⁶ and the California Air Pollution Control Officers Associated ("CAPCOA")²⁷ guidance as the appropriate air dispersion model for Level 2 health risk screening assessments ("HRSAs"). A Level 2 HRSA utilizes a limited amount of site-specific information to generate maximum reasonable downwind concentrations of air contaminants to which nearby sensitive receptors may be exposed. If an unacceptable air quality hazard is determined to be possible using AERSCREEN, a more refined modeling approach is required prior to approval of the Project.

We prepared a preliminary HRA of the Project's health-related impact to sensitive receptors using the annual PM₁₀ exhaust estimates from SWAPE's updated CalEEMod model, as the IS/MND fails to disclose their <u>annual</u> CalEEMod output file. Consistent with recommendations set forth by OEHHA, we used a residential exposure duration of 30 years, starting from the 3rd trimester stage of life. SWAPE's CalEEMod model indicates that construction activities would generate approximately 87 pounds of DPM over the 253-day construction period. The AERSCREEN model relies on a continuous average emission rate to simulate maximum downward concentrations from point, area, and volume emission sources. To account for the variability in equipment usage and truck trips over Project construction, we calculated an average DPM emission rate by the following equation:

²⁴ "South Coast AQMD Air Quality Significance Thresholds." SCAQMD, April 2019, *available at:* http://www.aqmd.gov/docs/default-source/ceqa/handbook/scaqmd-air-quality-significance-thresholds.pdf.

²⁵ "AERSCREEN Released as the EPA Recommended Screening Model," USEPA, April 11, 2011, available at: http://www.epa.gov/ttn/scram/guidance/clarification/20110411 AERSCREEN Release Memo.pdf

²⁶ "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf

²⁷ "Health Risk Assessments for Proposed Land Use Projects," CAPCOA, July 2009, *available at:* http://www.capcoa.org/wp-content/uploads/2012/03/CAPCOA HRA LU Guidelines 8-6-09.pdf

$$Emission\ Rate\ \left(\frac{grams}{second}\right) = \frac{87.2\ lbs}{253\ days} \times \frac{453.6\ grams}{lbs} \times \frac{1\ day}{24\ hours} \times \frac{1\ hour}{3,600\ seconds} = \textbf{0.00181}\ g/s$$

Using this equation, we estimated a construction emission rate of 0.00181 grams per second ("g/s"). Subtracting the 253-day construction period from the total residential duration of 30 years, we assumed that after Project construction, the sensitive receptor would be exposed to the Project's operational DPM for an additional 29.31 years, approximately. The IS/MND's annual CalEEMod model indicates that operational activities will generate approximately 10 pounds of DPM per year throughout operation. Applying the same equation used to estimate the construction DPM rate, we estimated the following emission rate for Project operation:

Emission Rate
$$\left(\frac{grams}{second}\right) = \frac{10.4 \ lbs}{365 \ days} \times \frac{453.6 \ grams}{lbs} \times \frac{1 \ day}{24 \ hours} \times \frac{1 \ hour}{3,600 \ seconds} = \mathbf{0.000149} \ g/s$$

Using this equation, we estimated an operational emission rate of 0.000149 g/s. Construction and operational activity was simulated as a 6.63-acre rectangular area source in AERSCREEN with dimensions of 266 by 101 meters. A release height of three meters was selected to represent the height of exhaust stacks on operational equipment and other heavy-duty vehicles, and an initial vertical dimension of one and a half meters was used to simulate instantaneous plume dispersion upon release. An urban meteorological setting was selected with model-default inputs for wind speed and direction distribution.

The AERSCREEN model generates maximum reasonable estimates of single-hour DPM concentrations from the Project site. EPA guidance suggests that in screening procedures, the annualized average concentration of an air pollutant be estimated by multiplying the single-hour concentration by 10%. According to the IS/MND, the nearest sensitive receptors are located approximately 950 feet, or 290 meters, to the east of the Project site (p. 24). Thus, the single-hour concentration estimated by AERSCREEN for Project construction is approximately $0.8521~\mu\text{g/m}^3$ DPM at approximately 300-meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration estimated by AERSCREEN is $0.07063~\mu\text{g/m}^3$ DPM at approximately 300-meters downwind. Multiplying this single-hour concentration by 10%, we get an annualized average concentration of $0.007063~\mu\text{g/m}^3$ for Project operation at the MEIR.

We calculated the excess cancer risk to the MEIR using applicable HRA methodologies prescribed by OEHHA. Consistent with the 253-day construction schedule, the annualized average concentration for Project construction was used for the entire third trimester of pregnancy (0.25 years) and the first 0.44 years of the infantile stage of life (0 - 2 years); and the annualized averaged concentration for operation was used for the remainder of the 30-year exposure period, which makes remaining 1.56 years of the

12

²⁸ "Screening Procedures for Estimating the Air Quality Impact of Stationary Sources Revised." EPA, 1992, available at: http://www.epa.gov/ttn/scram/guidance/guide/EPA-454R-92-019 OCR.pdf; see also "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 4-36

infantile stage of life, the entire child stage of life (2 - 16 years), and the entire the adult stage of life (16 - 30 years).

Consistent with OEHHA guidance, as recommended by the State of California Department of Justice and SCAQMD, ^{29, 30} we used Age Sensitivity Factors ("ASFs") to account for the heightened susceptibility of young children to the carcinogenic toxicity of air pollution. ³¹ According to this guidance, the quantified cancer risk should be multiplied by a factor of ten during the third trimester of pregnancy and during the first two years of life (infant) as well as multiplied by a factor of three during the child stage of life (2 to 16 years). We also included the quantified cancer risk without adjusting for the heightened susceptibility of young children to the carcinogenic toxicity of air pollution in accordance with older OEHHA guidance from 2003. This guidance utilizes a less health protective scenario than what is currently recommended by SCAQMD, the air quality district with jurisdiction over the City, and several other air districts in the state. Furthermore, in accordance with guidance set forth by OEHHA, we used the 95th percentile breathing rates for infants. ³² Finally, we used a Fraction of Time At Home ("FAH") value of 1 for the 3rd trimester and infant receptors. We used a cancer potency factor of 1.1 (mg/kg-day)-¹ and an averaging time of 25,550 days. The results of our calculations are shown below.

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²⁹ "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act." State of California Department of Justice, *available at*:

https://oag.ca.gov/sites/all/files/agweb/pdfs/environment/warehouse-best-practices.pdf, p. 6.

³⁰ "Draft Environmental Impact Report (DEIR) for the Proposed The Exchange (SCH No. 2018071058)." SCAQMD, March 2019, available at: http://www.aqmd.gov/docs/default-source/ceqa/comment-letters/2019/march/RVC190115-03.pdf?sfvrsn=8, p. 4.

³¹ "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 8-5, Table 8.3.

³² "Supplemental Guidelines for Preparing Risk Assessments for the Air Toxics 'Hot Spots' Information and Assessment Act," June 5, 2015, *available at:* http://www.aqmd.gov/docs/default-source/planning/risk-assessment-guidelines.pdf?sfvrsn=6, p. 19.

[&]quot;Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, available at: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf

The Closest Exposed Individual at an Existing Residential Receptor

Activity	Duration (years)	Concentration (ug/m3)	Breathing Rate (L/kg- day)	Cancer Risk without ASFs*	ASF	Cancer Risk with ASFs*
Construction	0.25	0.08521	361	1.2E-07	10	1.2E-06
3rd Trimester Duration	0.25			1.2E-07	3rd Trimester Exposure	1.2E-06
Construction	0.44	0.08521	1090	6.2E-07	10	6.2E-06
Operation	1.56	0.007063	1090	1.8E-07	10	1.8E-06
Infant Exposure Duration	2.00			8.0E-07	Infant Exposure	8.0E-06
Operation	14.00	0.007063	572	8.5E-07	3	2.6E-06
Child Exposure Duration	14.00			8.5E-07	Child Exposure	2.6E-06
Operation	14.00	0.007063	261	2.8E-07	1	2.8E-07
Adult Exposure Duration	14.00			2.8E-07	Adult Exposure	2.8E-07
Lifetime Exposure Duration	30.00			2.0E-06	Lifetime Exposure	1.2E-05

^{*} We, along with CARB and SCAQMD, recommend using the more updated and health protective 2015 OEHHA guidance, which includes ASFs.

As demonstrated in the table above, the excess cancer risk to adults, children, infants, and during the 3rd trimester of pregnancy at the MEIR located approximately 300 meters away, over the course of Project construction and operation, utilizing ASFs, are approximately 0.28, 2.6, 8.0, and 1.2 in one million, respectively. We estimate an excess cancer risk of approximately 12 in one million over the course of a residential lifetime (30 years), utilizing ASFs. The infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, thus resulting in a potentially significant impact not previously addressed or identified by the IS/MND. Utilizing ASFs is the most conservative, health-protective analysis according to the most recent guidance by OEHHA. Results without ASFs are presented in the table above, although we **do not** recommend utilizing these values for health risk analysis.

An agency must include an analysis of health risks that connects the Project's air emissions with the health risk posed by those emissions. Our analysis represents a screening-level HRA, which is known to be conservative and tends to err on the side of health protection. ³³ The purpose of the screening-level construction and operational HRA shown above is to demonstrate the link between the proposed Project's emissions and the potential health risk. Our screening-level HRA demonstrates that construction and operation of the Project could result in a potentially significant health risk impact, when correct exposure assumptions and up-to-date, applicable guidance are used. Therefore, since our screening-level HRA indicates a potentially significant impact, the City should prepare an EIR with an

³³ "Risk Assessment Guidelines Guidance Manual for Preparation of Health Risk Assessments." OEHHA, February 2015, *available at:* https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf, p. 1-5

HRA which makes a reasonable effort to connect the Project's air quality emissions and the potential health risks posed to nearby receptors. Thus, the City should prepare an updated, quantified air pollution model as well as an updated, quantified refined health risk analysis which adequately and accurately evaluates health risk impacts associated with both Project construction and operation.

Energy

Failure to Adequately Evaluate Energy Impacts

According to CEQA Guidelines Appendix F:

"The goal of conserving energy implies the wise and efficient use of energy. The means of achieving this goal include:

- (1) decreasing overall per capita energy consumption,
- (2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and
- (3) increasing reliance on renewable energy sources.

In order to assure that energy implications are considered in project decisions, the California Environmental Quality Act requires <u>that EIRs include a discussion of the potential energy impacts of proposed projects, with particular emphasis on avoiding or reducing inefficient, wasteful and unnecessary consumption of energy."³⁴</u>

However, the IS/MND fails to discuss the Project's potential energy impacts or how the Project would avoid and reduce the inefficient, wasteful, and unnecessary consumption of energy. Instead, the IS/MND simply concludes that Project compliance with Title 24 standards would result in less-than-significant energy impacts. Specifically, the IS/MND states:

"The Title 24, Building Standards Code, California Energy Code and California Green Building standards would be applicable to the project. Adherence to Title 24 would reduce potential impacts to less than significant level. As a result, the impact will be less than significant" (p. 44).

Furthermore, the IS/MND goes on to state:

"Title 24 now requires that new buildings reduce water consumption, employ building commissioning to increase building system efficiencies, divert construction waste from landfills, and install low pollutant-emitting finish materials. The 2016 version of the standards became effective as of January 1, 2017. The proposed project will conform to all pertinent energy conservation requirements. As a result, the potential impacts will be less than significant" (p. 45).

^{34 &}quot;APPENDIX F: ENERGY CONSERVATION." CEQA Guidelines Appendices, 2016, available at: https://resources.ca.gov/CNRALegacyFiles/ceqa/docs/2016 CEQA Statutes and Guidelines Appendix F.pdf, p. 276.

However, noting compliance with the Title 24 standards does not constitute an adequate analysis of energy. According to Ukiah Citizens for Safety First v. City of Ukiah (2016) 248 Cal.App.4th 256, the court ruled:

"With respect to the analysis of operational and construction energy use of the project, the court found that the City of Woodland's reliance on mitigation measures that required <u>compliance with title 24 and other California green building codes did not meet the requirements of appendix F"</u> (emphasis added).³⁵

As demonstrated above, simply complying with Title 24 standards does not meet the requirements of CEQA Guidelines Appendix F. As such, the Project's energy analysis is insufficient and the IS/MND's less-than-significant impact conclusion should not be relied upon.

Feasible Mitigation Measures Available to Reduce Emissions

Our analysis demonstrates that the Project would result in potentially significant air quality and health risk impacts that should be mitigated further. In an effort to reduce the Project's emissions, we identified several mitigation measures that are applicable to the proposed Project. Feasible mitigation measures can be found in the Department of Justice Warehouse Project Best Practices document.³⁶ Therefore, to reduce the Project's emissions, consideration of the following measures should be made:

- Requiring off-road construction equipment to be zero-emission, where available, and all dieselfueled off-road construction equipment, to be equipped with CARB Tier IV-compliant engines or
 better, and including this requirement in applicable bid documents, purchase orders, and
 contracts, with successful contractors demonstrating the ability to supply the compliant
 construction equipment for use prior to any ground-disturbing and construction activities.
- Prohibiting off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.
- Requiring on-road heavy-duty haul trucks to be model year 2010 or newer if diesel-fueled.
- Providing electrical hook ups to the power grid, rather than use of diesel-fueled generators, for
 electric construction tools, such as saws, drills and compressors, and using electric tools
 whenever feasible.
- Limiting the amount of daily grading disturbance area.
- Prohibiting grading on days with an Air Quality Index forecast of greater than 100 for particulates or ozone for the project area.
- Forbidding idling of heavy equipment for more than two minutes.

^{35 &}quot;Ukiah Citizens for Safety First v. City of Ukiah (2016) 248 Cal.App.4th 256." COURT OF APPEAL OF THE STATE OF CALIFORNIA FIRST APPELLATE DISTRICT DIVISION THREE, available at: <a href="https://ceqaportal.org/decisions/1805/Ukiah%20Citizens%20for%20Safety%20First%20v.%20City%20of%20Ukiah%20(1st%20Dist.%202016)%20248%20Cal.App.4th%20256.PD. p. 7.

³⁶ "Warehouse Projects: Best Practices and Mitigation Measures to Comply with the California Environmental Quality Act." State of California Department of Justice.

- Keeping onsite and furnishing to the lead agency or other regulators upon request, all equipment maintenance records and data sheets, including design specifications and emission control tier classifications.
- Conducting an on-site inspection to verify compliance with construction mitigation and to identify other opportunities to further reduce construction impacts.
- Using paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L.
- Providing information on transit and ridesharing programs and services to construction employees.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations for construction employees.
- Requiring that all facility-owned and operated fleet equipment with a gross vehicle weight rating
 greater than 14,000 pounds accessing the site meet or exceed 2010 model-year emissions
 equivalent engine standards as currently defined in California Code of Regulations Title 13,
 Division 3, Chapter 1, Article 4.5, Section 2025. Facility operators shall maintain records on-site
 demonstrating compliance with this requirement and shall make records available for inspection
 by the local jurisdiction, air district, and state upon request.
- Requiring all heavy-duty vehicles entering or operated on the project site to be zero-emission beginning in 2030.
- Requiring on-site equipment, such as forklifts and yard trucks, to be electric with the necessary electrical charging stations provided.
- Requiring tenants to use zero-emission light- and medium-duty vehicles as part of business operations.
- Forbidding trucks from idling for more than two minutes and requiring operators to turn off engines when not in use.
- Posting both interior- and exterior-facing signs, including signs directed at all dock and delivery
 areas, identifying idling restrictions and contact information to report violations to CARB, the air
 district, and the building manager.
- Installing and maintaining, at the manufacturer's recommended maintenance intervals, air filtration systems at sensitive receptors within a certain radius of facility for the life of the project.
- Installing and maintaining, at the manufacturer's recommended maintenance intervals, an air
 monitoring station proximate to sensitive receptors and the facility for the life of the project,
 and making the resulting data publicly available in real time. While air monitoring does not
 mitigate the air quality or greenhouse gas impacts of a facility, it nonetheless benefits the
 affected community by providing information that can be used to improve air quality or avoid
 exposure to unhealthy air.
- Constructing electric truck charging stations proportional to the number of dock doors at the project.
- Constructing electric plugs for electric transport refrigeration units at every dock door, if the warehouse use could include refrigeration.

- Installing solar photovoltaic systems on the project site of a specified electrical generation capacity, such as equal to the building's projected energy needs.
- Requiring all stand-by emergency generators to be powered by a non-diesel fuel.
- Requiring facility operators to train managers and employees on efficient scheduling and load management to eliminate unnecessary queuing and idling of trucks.
- Requiring operators to establish and promote a rideshare program that discourages singleoccupancy vehicle trips and provides financial incentives for alternate modes of transportation, including carpooling, public transit, and biking.
- Meeting CalGreen Tier 2 green building standards, including all provisions related to designated parking for clean air vehicles, electric vehicle charging, and bicycle parking.
- Achieving certification of compliance with LEED green building standards.
- Providing meal options onsite or shuttles between the facility and nearby meal destinations.
- Posting signs at every truck exit driveway providing directional information to the truck route.
- Improving and maintaining vegetation and tree canopy for residents in and around the project area.
- Requiring that every tenant train its staff in charge of keeping vehicle records in diesel
 technologies and compliance with CARB regulations, by attending CARBapproved courses. Also
 require facility operators to maintain records on-site demonstrating compliance and make
 records available for inspection by the local jurisdiction, air district, and state upon request.
- Requiring tenants to enroll in the United States Environmental Protection Agency's SmartWay program, and requiring tenants to use carriers that are SmartWay carriers.
- Providing tenants with information on incentive programs, such as the Carl Moyer Program and Voucher Incentive Program, to upgrade their fleets.

These measures offer a cost-effective, feasible way to incorporate lower-emitting design features into the proposed Project, which subsequently, reduce emissions released during Project construction and operation. An EIR should be prepared to include all feasible mitigation measures, as well as include updated air quality and health risk analyses to ensure that the necessary mitigation measures are implemented to reduce emissions to below thresholds. The EIR should also demonstrate a commitment to the implementation of these measures prior to Project approval, to ensure that the Project's significant emissions are reduced to the maximum extent possible.

Disclaimer

SWAPE has received limited discovery regarding this project. Additional information may become available in the future; thus, we retain the right to revise or amend this report when additional information becomes available. Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable environmental consultants practicing in this or similar localities at the time of service. No other warranty, expressed or implied, is made as to the scope of work, work methodologies and protocols, site conditions, analytical testing results, and findings presented. This report reflects efforts which were limited to information that was reasonably accessible at the time of the work, and may contain informational gaps, inconsistencies, or

otherwise be incomplete due to the unavailability or uncertainty of information obtained or provided by third parties.

Sincerely,

Matt Hagemann, P.G., C.Hg.

M Huxun

Paul E. Rosenfeld, Ph.D.

Attachment A: CalEEMod Output Files Attachment B: Health Risk Calculations Attachment C: AERSCREEN Output Files Attachment D: Matt Hagemann CV

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11401 Greenstone Ave

South Coast Air Basin, Annual

1.0 Project Characteristics

1.1 Land Usage

Urbanization

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.42	1000sqft	0.12	5,421.00	0
Refrigerated Warehouse-No Rail	139.01	1000sqft	3.19	139,013.00	0
Parking Lot	221.00	Space	1.99	88,400.00	0

Precipitation Freq (Days)

31

1.2 Other Project Characteristics

Urban

01501112011011	Giban	rriid opood (iii/o)	 r rooipitation r roq (Dayo)	0.
Climate Zone	9		Operational Year	2022
Utility Company	Southern California Ediso	n		

2.2

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N2O Intensity
 0.004

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Consistent with the IS/MND's model.

Land Use - See SWAPE comments regarding cold storage, land use types and sizes, and parking.

Wind Speed (m/s)

Construction Phase - See SWAPE comment regarding proposed construction schedule.

Demolition - No demolition included, as IS/MND fails to provide square footage of existing buildings to be removed; see SWAPE comment regarding demolition.

Grading - See SWAPE comment regarding excavation.

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	86.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LandUseSquareFeet	5,420.00	5,421.00
tblLandUse	LandUseSquareFeet	139,010.00	139,013.00

2.0 Emissions Summary

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
	0.8316	1.3419	1.4434	2.9700e- 003	0.2021	0.0629	0.2651	0.0861	0.0588	0.1448	0.0000	265.4688	265.4688	0.0514	7.6400e- 003	269.0294
Maximum	0.8316	1.3419	1.4434	2.9700e- 003	0.2021	0.0629	0.2651	0.0861	0.0588	0.1448	0.0000	265.4688	265.4688	0.0514	7.6400e- 003	269.0294

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					ton	s/yr							MT	/yr		
	0.8316	1.3419	1.4434	2.9700e- 003	0.2021	0.0629	0.2651	0.0861	0.0588	0.1448	0.0000	265.4686	265.4686	0.0514	7.6400e- 003	269.0292
Maximum	0.8316	1.3419	1.4434	2.9700e- 003	0.2021	0.0629	0.2651	0.0861	0.0588	0.1448	0.0000	265.4686	265.4686	0.0514	7.6400e- 003	269.0292

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
1	1-1-2022	3-31-2022	0.8038	0.8038
2	4-1-2022	6-30-2022	0.5653	0.5653
3	7-1-2022	9-30-2022	0.8621	0.8621
		Highest	0.8621	0.8621

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Area	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005	1 1 1	2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003
Energy	1.0700e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004	 	7.4000e- 004	7.4000e- 004	0.0000	440.0109	440.0109	0.0365	4.5900e- 003	442.2891
Mobile	0.2067	0.2984	2.3170	5.1800e- 003	0.5239	4.4200e- 003	0.5283	0.1398	4.1200e- 003	0.1439	0.0000	479.3492	479.3492	0.0299	0.0210	486.3511
Waste	r, 11 11 11		1			0.0000	0.0000	 	0.0000	0.0000	27.5479	0.0000	27.5479	1.6280	0.0000	68.2488
Water	F) 		,			0.0000	0.0000		0.0000	0.0000	10.5041	77.6200	88.1241	1.0854	0.0263	123.0877
Total	0.8040	0.3081	2.3299	5.2400e- 003	0.5239	5.1800e- 003	0.5291	0.1398	4.8800e- 003	0.1447	38.0520	996.9891	1,035.041 1	2.7798	0.0519	1,119.986 2

CalEEMod Version: CalEEMod.2020.4.0 Page 5 of 30 Date: 8/3/2021 11:47 AM

11401 Greenstone Ave - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Area	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003
Energy	1.0700e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	440.0109	440.0109	0.0365	4.5900e- 003	442.2891
Mobile	0.2067	0.2984	2.3170	5.1800e- 003	0.5239	4.4200e- 003	0.5283	0.1398	4.1200e- 003	0.1439	0.0000	479.3492	479.3492	0.0299	0.0210	486.3511
Waste			 			0.0000	0.0000		0.0000	0.0000	27.5479	0.0000	27.5479	1.6280	0.0000	68.2488
Water						0.0000	0.0000		0.0000	0.0000	10.5041	77.6200	88.1241	1.0854	0.0263	123.0877
Total	0.8040	0.3081	2.3299	5.2400e- 003	0.5239	5.1800e- 003	0.5291	0.1398	4.8800e- 003	0.1447	38.0520	996.9891	1,035.041 1	2.7798	0.0519	1,119.986 2

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/16/2022	5	10	
2	Grading	Grading	1/16/2022	1/30/2022	5	10	
3	Building Construction	Building Construction	1/30/2022	5/30/2022	5	86	

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4	Paving	Paving	5/30/2022	7/31/2022	5	45	
5	Architectural Coating	Architectural Coating	•	9/11/2022	5	30	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 216,651; Non-Residential Outdoor: 72,217; Striped Parking Area: 5,304 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

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Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	97.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust					0.0985	0.0000	0.0985	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e- 004		8.0600e- 003	8.0600e- 003	 	7.4200e- 003	7.4200e- 003	0.0000	16.7197	16.7197	5.4100e- 003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e- 004	0.0985	8.0600e- 003	0.1065	0.0505	7.4200e- 003	0.0580	0.0000	16.7197	16.7197	5.4100e- 003	0.0000	16.8549

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3.2 Site Preparation - 2022

Unmitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	8.9000e- 004	0.0350	7.9500e- 003	1.3000e- 004	3.5500e- 003	2.6000e- 004	3.8200e- 003	9.8000e- 004	2.5000e- 004	1.2300e- 003	0.0000	12.5826	12.5826	7.4000e- 004	2.0000e- 003	13.1971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e- 004	2.4000e- 004	3.1800e- 003	1.0000e- 005	9.9000e- 004	1.0000e- 005	9.9000e- 004	2.6000e- 004	1.0000e- 005	2.7000e- 004	0.0000	0.7983	0.7983	2.0000e- 005	2.0000e- 005	0.8053
Total	1.1900e- 003	0.0352	0.0111	1.4000e- 004	4.5400e- 003	2.7000e- 004	4.8100e- 003	1.2400e- 003	2.6000e- 004	1.5000e- 003	0.0000	13.3809	13.3809	7.6000e- 004	2.0200e- 003	14.0024

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Fugitive Dust			i i i	i i	0.0985	0.0000	0.0985	0.0505	0.0000	0.0505	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0159	0.1654	0.0985	1.9000e- 004		8.0600e- 003	8.0600e- 003		7.4200e- 003	7.4200e- 003	0.0000	16.7197	16.7197	5.4100e- 003	0.0000	16.8549
Total	0.0159	0.1654	0.0985	1.9000e- 004	0.0985	8.0600e- 003	0.1065	0.0505	7.4200e- 003	0.0580	0.0000	16.7197	16.7197	5.4100e- 003	0.0000	16.8549

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3.2 Site Preparation - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	/yr		
Hauling	8.9000e- 004	0.0350	7.9500e- 003	1.3000e- 004	3.5500e- 003	2.6000e- 004	3.8200e- 003	9.8000e- 004	2.5000e- 004	1.2300e- 003	0.0000	12.5826	12.5826	7.4000e- 004	2.0000e- 003	13.1971
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	3.0000e- 004	2.4000e- 004	3.1800e- 003	1.0000e- 005	9.9000e- 004	1.0000e- 005	9.9000e- 004	2.6000e- 004	1.0000e- 005	2.7000e- 004	0.0000	0.7983	0.7983	2.0000e- 005	2.0000e- 005	0.8053
Total	1.1900e- 003	0.0352	0.0111	1.4000e- 004	4.5400e- 003	2.7000e- 004	4.8100e- 003	1.2400e- 003	2.6000e- 004	1.5000e- 003	0.0000	13.3809	13.3809	7.6000e- 004	2.0200e- 003	14.0024

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Fugitive Dust	 				0.0354	0.0000	0.0354	0.0171	0.0000	0.0171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
- [9.7400e- 003	0.1043	0.0764	1.5000e- 004		4.7000e- 003	4.7000e- 003		4.3300e- 003	4.3300e- 003	0.0000	13.0274	13.0274	4.2100e- 003	0.0000	13.1327
Total	9.7400e- 003	0.1043	0.0764	1.5000e- 004	0.0354	4.7000e- 003	0.0401	0.0171	4.3300e- 003	0.0215	0.0000	13.0274	13.0274	4.2100e- 003	0.0000	13.1327

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3.3 Grading - 2022

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e- 004	2.0000e- 004	2.6500e- 003	1.0000e- 005	8.2000e- 004	1.0000e- 005	8.3000e- 004	2.2000e- 004	0.0000	2.2000e- 004	0.0000	0.6653	0.6653	2.0000e- 005	2.0000e- 005	0.6711
Total	2.5000e- 004	2.0000e- 004	2.6500e- 003	1.0000e- 005	8.2000e- 004	1.0000e- 005	8.3000e- 004	2.2000e- 004	0.0000	2.2000e- 004	0.0000	0.6653	0.6653	2.0000e- 005	2.0000e- 005	0.6711

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	⁻ /yr		
Fugitive Dust					0.0354	0.0000	0.0354	0.0171	0.0000	0.0171	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
	9.7400e- 003	0.1043	0.0764	1.5000e- 004		4.7000e- 003	4.7000e- 003		4.3300e- 003	4.3300e- 003	0.0000	13.0274	13.0274	4.2100e- 003	0.0000	13.1327
Total	9.7400e- 003	0.1043	0.0764	1.5000e- 004	0.0354	4.7000e- 003	0.0401	0.0171	4.3300e- 003	0.0215	0.0000	13.0274	13.0274	4.2100e- 003	0.0000	13.1327

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3.3 Grading - 2022

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.5000e- 004	2.0000e- 004	2.6500e- 003	1.0000e- 005	8.2000e- 004	1.0000e- 005	8.3000e- 004	2.2000e- 004	0.0000	2.2000e- 004	0.0000	0.6653	0.6653	2.0000e- 005	2.0000e- 005	0.6711
Total	2.5000e- 004	2.0000e- 004	2.6500e- 003	1.0000e- 005	8.2000e- 004	1.0000e- 005	8.3000e- 004	2.2000e- 004	0.0000	2.2000e- 004	0.0000	0.6653	0.6653	2.0000e- 005	2.0000e- 005	0.6711

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Off-Road	0.0734	0.6715	0.7036	1.1600e- 003		0.0348	0.0348		0.0327	0.0327	0.0000	99.6419	99.6419	0.0239	0.0000	100.2386
Total	0.0734	0.6715	0.7036	1.1600e- 003		0.0348	0.0348		0.0327	0.0327	0.0000	99.6419	99.6419	0.0239	0.0000	100.2386

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3.4 Building Construction - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	2.9600e- 003	0.0809	0.0262	3.1000e- 004	0.0103	7.9000e- 004	0.0111	2.9700e- 003	7.5000e- 004	3.7300e- 003	0.0000	30.6220	30.6220	1.1200e- 003	4.4500e- 003	31.9764
Worker	0.0140	0.0113	0.1476	4.0000e- 004	0.0458	2.8000e- 004	0.0460	0.0122	2.6000e- 004	0.0124	0.0000	36.9981	36.9981	1.0300e- 003	1.0000e- 003	37.3209
Total	0.0169	0.0922	0.1738	7.1000e- 004	0.0561	1.0700e- 003	0.0571	0.0151	1.0100e- 003	0.0161	0.0000	67.6201	67.6201	2.1500e- 003	5.4500e- 003	69.2973

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
	0.0734	0.6715	0.7036	1.1600e- 003		0.0348	0.0348	 	0.0327	0.0327	0.0000	99.6417	99.6417	0.0239	0.0000	100.2385
Total	0.0734	0.6715	0.7036	1.1600e- 003		0.0348	0.0348		0.0327	0.0327	0.0000	99.6417	99.6417	0.0239	0.0000	100.2385

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3.4 Building Construction - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e			
Category	tons/yr											MT/yr							
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Vendor	2.9600e- 003	0.0809	0.0262	3.1000e- 004	0.0103	7.9000e- 004	0.0111	2.9700e- 003	7.5000e- 004	3.7300e- 003	0.0000	30.6220	30.6220	1.1200e- 003	4.4500e- 003	31.9764			
Worker	0.0140	0.0113	0.1476	4.0000e- 004	0.0458	2.8000e- 004	0.0460	0.0122	2.6000e- 004	0.0124	0.0000	36.9981	36.9981	1.0300e- 003	1.0000e- 003	37.3209			
Total	0.0169	0.0922	0.1738	7.1000e- 004	0.0561	1.0700e- 003	0.0571	0.0151	1.0100e- 003	0.0161	0.0000	67.6201	67.6201	2.1500e- 003	5.4500e- 003	69.2973			

3.5 Paving - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e		
Category	tons/yr										MT/yr							
Off-Road	0.0248	0.2503	0.3281	5.1000e- 004		0.0128	0.0128		0.0118	0.0118	0.0000	45.0620	45.0620	0.0146	0.0000	45.4264		
	2.6100e- 003		1 1			0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Total	0.0274	0.2503	0.3281	5.1000e- 004		0.0128	0.0128		0.0118	0.0118	0.0000	45.0620	45.0620	0.0146	0.0000	45.4264		

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3.5 Paving - 2022 Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e			
Category	tons/yr											MT/yr							
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
TVOING!	1.1300e- 003	9.1000e- 004	0.0119	3.0000e- 005	3.7000e- 003	2.0000e- 005	3.7300e- 003	9.8000e- 004	2.0000e- 005	1.0000e- 003	0.0000	2.9937	2.9937	8.0000e- 005	8.0000e- 005	3.0199			
Total	1.1300e- 003	9.1000e- 004	0.0119	3.0000e- 005	3.7000e- 003	2.0000e- 005	3.7300e- 003	9.8000e- 004	2.0000e- 005	1.0000e- 003	0.0000	2.9937	2.9937	8.0000e- 005	8.0000e- 005	3.0199			

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e			
Category	tons/yr											MT/yr							
Off-Road	0.0248	0.2503	0.3281	5.1000e- 004		0.0128	0.0128		0.0118	0.0118	0.0000	45.0620	45.0620	0.0146	0.0000	45.4263			
Paving	2.6100e- 003		 	i	 	0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000			
Total	0.0274	0.2503	0.3281	5.1000e- 004		0.0128	0.0128		0.0118	0.0118	0.0000	45.0620	45.0620	0.0146	0.0000	45.4263			

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3.5 Paving - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							МТ	-/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	1.1300e- 003	9.1000e- 004	0.0119	3.0000e- 005	3.7000e- 003	2.0000e- 005	3.7300e- 003	9.8000e- 004	2.0000e- 005	1.0000e- 003	0.0000	2.9937	2.9937	8.0000e- 005	8.0000e- 005	3.0199
Total	1.1300e- 003	9.1000e- 004	0.0119	3.0000e- 005	3.7000e- 003	2.0000e- 005	3.7300e- 003	9.8000e- 004	2.0000e- 005	1.0000e- 003	0.0000	2.9937	2.9937	8.0000e- 005	8.0000e- 005	3.0199

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.6817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	3.0700e- 003	0.0211	0.0272	4.0000e- 005		1.2300e- 003	1.2300e- 003	i i i	1.2300e- 003	1.2300e- 003	0.0000	3.8299	3.8299	2.5000e- 004	0.0000	3.8361
Total	0.6848	0.0211	0.0272	4.0000e- 005		1.2300e- 003	1.2300e- 003		1.2300e- 003	1.2300e- 003	0.0000	3.8299	3.8299	2.5000e- 004	0.0000	3.8361

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3.6 Architectural Coating - 2022 <u>Unmitigated Construction Off-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e- 004	7.7000e- 004	0.0101	3.0000e- 005	3.1300e- 003	2.0000e- 005	3.1500e- 003	8.3000e- 004	2.0000e- 005	8.5000e- 004	0.0000	2.5280	2.5280	7.0000e- 005	7.0000e- 005	2.5501
Total	9.5000e- 004	7.7000e- 004	0.0101	3.0000e- 005	3.1300e- 003	2.0000e- 005	3.1500e- 003	8.3000e- 004	2.0000e- 005	8.5000e- 004	0.0000	2.5280	2.5280	7.0000e- 005	7.0000e- 005	2.5501

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Archit. Coating	0.6817					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
1	3.0700e- 003	0.0211	0.0272	4.0000e- 005	 	1.2300e- 003	1.2300e- 003		1.2300e- 003	1.2300e- 003	0.0000	3.8299	3.8299	2.5000e- 004	0.0000	3.8361
Total	0.6848	0.0211	0.0272	4.0000e- 005		1.2300e- 003	1.2300e- 003		1.2300e- 003	1.2300e- 003	0.0000	3.8299	3.8299	2.5000e- 004	0.0000	3.8361

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3.6 Architectural Coating - 2022

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	9.5000e- 004	7.7000e- 004	0.0101	3.0000e- 005	3.1300e- 003	2.0000e- 005	3.1500e- 003	8.3000e- 004	2.0000e- 005	8.5000e- 004	0.0000	2.5280	2.5280	7.0000e- 005	7.0000e- 005	2.5501
Total	9.5000e- 004	7.7000e- 004	0.0101	3.0000e- 005	3.1300e- 003	2.0000e- 005	3.1500e- 003	8.3000e- 004	2.0000e- 005	8.5000e- 004	0.0000	2.5280	2.5280	7.0000e- 005	7.0000e- 005	2.5501

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Mitigated	0.2067	0.2984	2.3170	5.1800e- 003	0.5239	4.4200e- 003	0.5283	0.1398	4.1200e- 003	0.1439	0.0000	479.3492	479.3492	0.0299	0.0210	486.3511
Unmitigated	0.2067	0.2984	2.3170	5.1800e- 003	0.5239	4.4200e- 003	0.5283	0.1398	4.1200e- 003	0.1439	0.0000	479.3492	479.3492	0.0299	0.0210	486.3511

4.2 Trip Summary Information

	Ave	age Daily Trip Ra	ate	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	52.79	11.98	3.79	128,732	128,732
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	294.70	294.70	294.70	1,263,006	1,263,006
Total	347.49	306.68	298.50	1,391,738	1,391,738

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
General Office Building	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
Parking Lot	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Refrigerated Warehouse-No Rail	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
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5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					ton	s/yr							MT	/yr		
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	429.4617	429.4617	0.0363	4.3900e- 003	431.6772
Electricity Unmitigated					 	0.0000	0.0000		0.0000	0.0000	0.0000	429.4617	429.4617	0.0363	4.3900e- 003	431.6772
NaturalGas Mitigated	1.0700e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	10.5492	10.5492	2.0000e- 004	1.9000e- 004	10.6119
NaturalGas Unmitigated	1.0700e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	10.5492	10.5492	2.0000e- 004	1.9000e- 004	10.6119

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					ton	s/yr							MT	/yr		
General Office Building	55890.5	3.0000e- 004	2.7400e- 003	2.3000e- 003	2.0000e- 005		2.1000e- 004	2.1000e- 004		2.1000e- 004	2.1000e- 004	0.0000	2.9825	2.9825	6.0000e- 005	5.0000e- 005	3.0003
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	141793	7.6000e- 004	6.9500e- 003	5.8400e- 003	4.0000e- 005		5.3000e- 004	5.3000e- 004		5.3000e- 004	5.3000e- 004	0.0000	7.5666	7.5666	1.5000e- 004	1.4000e- 004	7.6116
Total		1.0600e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	10.5492	10.5492	2.1000e- 004	1.9000e- 004	10.6118

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr		tons/yr									MT/yr					
General Office Building	55890.5	3.0000e- 004	2.7400e- 003	2.3000e- 003	2.0000e- 005		2.1000e- 004	2.1000e- 004		2.1000e- 004	2.1000e- 004	0.0000	2.9825	2.9825	6.0000e- 005	5.0000e- 005	3.0003
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	141793	7.6000e- 004	6.9500e- 003	5.8400e- 003	4.0000e- 005		5.3000e- 004	5.3000e- 004		5.3000e- 004	5.3000e- 004	0.0000	7.5666	7.5666	1.5000e- 004	1.4000e- 004	7.6116
Total		1.0600e- 003	9.6900e- 003	8.1400e- 003	6.0000e- 005		7.4000e- 004	7.4000e- 004		7.4000e- 004	7.4000e- 004	0.0000	10.5492	10.5492	2.1000e- 004	1.9000e- 004	10.6118

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity <u>Unmitigated</u>

	Electricity Use	Total CO2	CH4	N2O	CO2e			
Land Use	kWh/yr	MT/yr						
General Office Building	67762.5	12.0174	1.0100e- 003	1.2000e- 004	12.0794			
Parking Lot	30940	5.4871	4.6000e- 004	6.0000e- 005	5.5154			
Refrigerated Warehouse-No Rail	2.32291e +006	411.9573	0.0348	4.2100e- 003	414.0825			
Total		429.4617	0.0362	4.3900e- 003	431.6772			

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.3 Energy by Land Use - Electricity

Mitigated

	Electricity Use	Total CO2	CH4	N2O	CO2e			
Land Use	kWh/yr	MT/yr						
General Office Building	67762.5	12.0174	1.0100e- 003	1.2000e- 004	12.0794			
Parking Lot	30940	5.4871	4.6000e- 004	6.0000e- 005	5.5154			
Refrigerated Warehouse-No Rail	2.32291e +006	411.9573	0.0348	4.2100e- 003	414.0825			
Total		429.4617	0.0362	4.3900e- 003	431.6772			

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category		tons/yr							MT/yr							
Mitigated	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003
Unmitigated	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		tons/yr								MT/yr						
Architectural Coating	0.0682					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products						0.0000	0.0000	 	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e- 004	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005	 	2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003
Total	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		tons/yr								MT/yr						
Architectural Coating	0.0002					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	0.5276				 	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Landscaping	4.3000e- 004	4.0000e- 005	4.6700e- 003	0.0000	 	2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003
Total	0.5962	4.0000e- 005	4.6700e- 003	0.0000		2.0000e- 005	2.0000e- 005		2.0000e- 005	2.0000e- 005	0.0000	9.0700e- 003	9.0700e- 003	2.0000e- 005	0.0000	9.6700e- 003

7.0 Water Detail

7.1 Mitigation Measures Water

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	Total CO2	CH4	N2O	CO2e				
Category	MT/yr							
	- 00.12-1	1.0854	0.0263	123.0877				
Unmitigated	u 00.1211	1.0854	0.0263	123.0877				

7.2 Water by Land Use <u>Unmitigated</u>

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e			
Land Use	Mgal	MT/yr						
General Office Building	0.963317 / 0.59042	3.6934	0.0317	7.8000e- 004	4.7165			
Parking Lot	0/0	0.0000	0.0000	0.0000	0.0000			
Refrigerated Warehouse-No Rail	32.1461 / 0	84.4307	1.0538	0.0255	118.3711			
Total		88.1241	1.0854	0.0263	123.0877			

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

7.2 Water by Land Use

Mitigated

	Indoor/Out door Use	Total CO2	CH4	N2O	CO2e			
Land Use	Mgal	MT/yr						
General Office Building	0.963317 / 0.59042	3.6934	0.0317	7.8000e- 004	4.7165			
Parking Lot	0/0	0.0000	0.0000	0.0000	0.0000			
Refrigerated Warehouse-No Rail	32.1461 / 0	84.4307	1.0538	0.0255	118.3711			
Total		88.1241	1.0854	0.0263	123.0877			

8.0 Waste Detail

8.1 Mitigation Measures Waste

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

Category/Year

	Total CO2	CH4	N2O	CO2e				
	MT/yr							
wiiigatod	27.5479	1.6280	0.0000	68.2488				
Ommigated	27.5479	1.6280	0.0000	68.2488				

8.2 Waste by Land Use <u>Unmitigated</u>

	Waste Disposed	Total CO2	CH4	N2O	CO2e			
Land Use	tons	MT/yr						
General Office Building	5.04	1.0231	0.0605	0.0000	2.5346			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000			
Refrigerated Warehouse-No Rail	130.67	26.5248	1.5676	0.0000	65.7141			
Total		27.5479	1.6280	0.0000	68.2488			

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.2 Waste by Land Use

Mitigated

	Waste Disposed	Total CO2	CH4	N2O	CO2e			
Land Use	tons	MT/yr						
General Office Building	5.04	1.0231	0.0605	0.0000	2.5346			
Parking Lot	0	0.0000	0.0000	0.0000	0.0000			
Refrigerated Warehouse-No Rail	130.67	26.5248	1.5676	0.0000	65.7141			
Total		27.5479	1.6280	0.0000	68.2488			

9.0 Operational Offroad

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

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11401 Greenstone Ave - South Coast Air Basin, Annual

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11.0 Vegetation

11401 Greenstone Ave - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11401 Greenstone Ave

South Coast Air Basin, Summer

1.0 Project Characteristics

1.1 Land Usage

Urhanization

CO2 Intensity

(lb/MWhr)

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.42	1000sqft	0.12	5,421.00	0
Refrigerated Warehouse-No Rail	139.01	1000sqft	3.19	139,013.00	0
Parking Lot	221.00	Space	1.99	88,400.00	0

Precipitation Freq (Days)

N2O Intensity

(lb/MWhr)

31

0.004

1.2 Other Project Characteristics

Urhan

390.98

O Damization	Olban	Willia Opeca (ilis)	2.2	1 redipitation (red (bays)	01
Climate Zone	9			Operational Year	2022
Utility Company	Southern California Edisor	n			

22

0.033

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Consistent with the IS/MND's model.

Land Use - See SWAPE comments regarding cold storage, land use types and sizes, and parking.

Wind Speed (m/s)

CH4 Intensity

(lb/MWhr)

Construction Phase - See SWAPE comment regarding proposed construction schedule.

Demolition - No demolition included, as IS/MND fails to provide square footage of existing buildings to be removed; see SWAPE comment regarding demolition.

Grading - See SWAPE comment regarding excavation.

Trips and VMT -

Table Name	Column Name	Default Value	New Value
tblConstructionPhase	NumDays	20.00	30.00
tblConstructionPhase	NumDays	230.00	86.00

11401 Greenstone Ave - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LandUseSquareFeet	5,420.00	5,421.00
tblLandUse	LandUseSquareFeet	139,010.00	139,013.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day												lb/c	lay		
2022	46.9888	60.6571	37.7990	0.0962	27.8679	2.6086	30.4765	13.8286	2.4018	16.2304	0.0000	9,668.744 3	9,668.744 3	2.2940	0.4488	9,859.843 6
Maximum	46.9888	60.6571	37.7990	0.0962	27.8679	2.6086	30.4765	13.8286	2.4018	16.2304	0.0000	9,668.744 3	9,668.744 3	2.2940	0.4488	9,859.843 6

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2022	46.9888	60.6571	37.7990	0.0962	27.8679	2.6086	30.4765	13.8286	2.4018	16.2304	0.0000	9,668.744 3	9,668.744 3	2.2940	0.4488	9,859.843 6
Maximum	46.9888	60.6571	37.7990	0.0962	27.8679	2.6086	30.4765	13.8286	2.4018	16.2304	0.0000	9,668.744 3	9,668.744 3	2.2940	0.4488	9,859.843 6

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
"	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
Mobile	1.2208	1.5500	13.4960	0.0304	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		3,099.982 4	3,099.982 4	0.1829	0.1250	3,141.792 3
Total	4.4948	1.6034	13.5780	0.0307	3.0194	0.0292	3.0486	0.8046	0.0275	0.8321		3,163.780 0	3,163.780 0	0.1843	0.1261	3,205.973 8

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/d	lay		
Area	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Energy	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
Mobile	1.2208	1.5500	13.4960	0.0304	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		3,099.982 4	3,099.982 4	0.1829	0.1250	3,141.792 3
Total	4.4948	1.6034	13.5780	0.0307	3.0194	0.0292	3.0486	0.8046	0.0275	0.8321		3,163.780 0	3,163.780 0	0.1843	0.1261	3,205.973 8

11401 Greenstone Ave - South Coast Air Basin, Summer

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/16/2022	5	10	
2	Grading	Grading	1/16/2022	1/30/2022	5	10	
3	Building Construction	Building Construction	1/30/2022	5/30/2022	5	86	
4	Paving	Paving	5/30/2022	7/31/2022	5	45	
5	Architectural Coating	Architectural Coating	7/31/2022	9/11/2022	5	30	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 216,651; Non-Residential Outdoor: 72,217; Striped Parking Area: 5,304 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	97.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Fugitive Dust					19.6943	0.0000	19.6943	10.1081	0.0000	10.1081			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6943	1.6126	21.3069	10.1081	1.4836	11.5917		3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.1806	6.6390	1.5782	0.0252	0.7221	0.0529	0.7751	0.1979	0.0506	0.2486		2,773.658 4	2,773.658 4	0.1642	0.4408	2,909.114 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0614	0.0434	0.6820	1.8200e- 003	0.2012	1.2000e- 003	0.2024	0.0534	1.1100e- 003	0.0545		183.8060	183.8060	4.8100e- 003	4.3900e- 003	185.2340
Total	0.2420	6.6824	2.2602	0.0270	0.9233	0.0541	0.9775	0.2513	0.0518	0.3030		2,957.464 4	2,957.464 4	0.1690	0.4452	3,094.348 1

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Fugitive Dust	1 1 1 1 1				19.6943	0.0000	19.6943	10.1081	0.0000	10.1081			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6943	1.6126	21.3069	10.1081	1.4836	11.5917	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.1806	6.6390	1.5782	0.0252	0.7221	0.0529	0.7751	0.1979	0.0506	0.2486		2,773.658 4	2,773.658 4	0.1642	0.4408	2,909.114 1
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0614	0.0434	0.6820	1.8200e- 003	0.2012	1.2000e- 003	0.2024	0.0534	1.1100e- 003	0.0545		183.8060	183.8060	4.8100e- 003	4.3900e- 003	185.2340
Total	0.2420	6.6824	2.2602	0.0270	0.9233	0.0541	0.9775	0.2513	0.0518	0.3030		2,957.464 4	2,957.464 4	0.1690	0.4452	3,094.348 1

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.0826	0.9409	8.0234	3.4247	0.8656	4.2903		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616
Total	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616

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3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust			i i		7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.0826	0.9409	8.0234	3.4247	0.8656	4.2903	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616
Total	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0694	1.7930	0.5997	7.2800e- 003	0.2433	0.0183	0.2616	0.0700	0.0175	0.0875		784.8776	784.8776	0.0289	0.1140	819.5670
Worker	0.3309	0.2336	3.6750	9.8000e- 003	1.0842	6.4900e- 003	1.0907	0.2875	5.9800e- 003	0.2935		990.5103	990.5103	0.0259	0.0237	998.2052
Total	0.4003	2.0267	4.2748	0.0171	1.3275	0.0248	1.3523	0.3576	0.0235	0.3810		1,775.387 8	1,775.387 8	0.0548	0.1376	1,817.772 3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Off-Road	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0694	1.7930	0.5997	7.2800e- 003	0.2433	0.0183	0.2616	0.0700	0.0175	0.0875		784.8776	784.8776	0.0289	0.1140	819.5670
Worker	0.3309	0.2336	3.6750	9.8000e- 003	1.0842	6.4900e- 003	1.0907	0.2875	5.9800e- 003	0.2935		990.5103	990.5103	0.0259	0.0237	998.2052
Total	0.4003	2.0267	4.2748	0.0171	1.3275	0.0248	1.3523	0.3576	0.0235	0.3810		1,775.387 8	1,775.387 8	0.0548	0.1376	1,817.772 3

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3.5 Paving - 2022 Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.1159	 	1			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2187	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/o	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616
Total	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616

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3.5 Paving - 2022

<u>Mitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.1159]			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2187	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616
Total	0.0512	0.0361	0.5683	1.5200e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		153.1717	153.1717	4.0100e- 003	3.6600e- 003	154.3616

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	45.4496		i i			0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	45.6541	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0648	0.0458	0.7199	1.9200e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		194.0175	194.0175	5.0800e- 003	4.6300e- 003	195.5247
Total	0.0648	0.0458	0.7199	1.9200e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		194.0175	194.0175	5.0800e- 003	4.6300e- 003	195.5247

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022 Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Archit. Coating	45.4496					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003	 	0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183	 	281.9062
Total	45.6541	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0648	0.0458	0.7199	1.9200e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		194.0175	194.0175	5.0800e- 003	4.6300e- 003	195.5247
Total	0.0648	0.0458	0.7199	1.9200e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		194.0175	194.0175	5.0800e- 003	4.6300e- 003	195.5247

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Mitigated	1.2208	1.5500	13.4960	0.0304	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		3,099.982 4	3,099.982 4	0.1829	0.1250	3,141.792 3
Unmitigated	1.2208	1.5500	13.4960	0.0304	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		3,099.982 4	3,099.982 4	0.1829	0.1250	3,141.792 3

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ite	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	52.79	11.98	3.79	128,732	128,732
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	294.70	294.70	294.70	1,263,006	1,263,006
Total	347.49	306.68	298.50	1,391,738	1,391,738

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
General Office Building	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
Parking Lot	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
Refrigerated Warehouse-No Rail	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
NaturalGas Unmitigated	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003	 	4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962

11401 Greenstone Ave - South Coast Air Basin, Summer

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/	day							lb/d	day		
General Office Building	153.125	1.6500e- 003	0.0150	0.0126	9.0000e- 005		1.1400e- 003	1.1400e- 003		1.1400e- 003	1.1400e- 003		18.0147	18.0147	3.5000e- 004	3.3000e- 004	18.1217
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	,	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	388.475	4.1900e- 003	0.0381	0.0320	2.3000e- 004		2.8900e- 003	2.8900e- 003	r	2.8900e- 003	2.8900e- 003		45.7029	45.7029	8.8000e- 004	8.4000e- 004	45.9745
Total		5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0300e- 003	4.0300e- 003		4.0300e- 003	4.0300e- 003		63.7176	63.7176	1.2300e- 003	1.1700e- 003	64.0962

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
General Office Building	0.153125	1.6500e- 003	0.0150	0.0126	9.0000e- 005		1.1400e- 003	1.1400e- 003		1.1400e- 003	1.1400e- 003		18.0147	18.0147	3.5000e- 004	3.3000e- 004	18.1217
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.388475	4.1900e- 003	0.0381	0.0320	2.3000e- 004		2.8900e- 003	2.8900e- 003		2.8900e- 003	2.8900e- 003		45.7029	45.7029	8.8000e- 004	8.4000e- 004	45.9745
Total		5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0300e- 003	4.0300e- 003		4.0300e- 003	4.0300e- 003		63.7176	63.7176	1.2300e- 003	1.1700e- 003	64.0962

6.0 Area Detail

6.1 Mitigation Measures Area

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day								lb/day							
Mitigated	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Unmitigated	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day								lb/day							
Architectural Coating	0.3736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Products	2.8911					0.0000	0.0000	 	0.0000	0.0000			0.0000			0.0000
	3.4800e- 003	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004	 	1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Total	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		lb/day									lb/day					
Architectural Coating						0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.40000	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Total	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

7.0 Water Detail

7.1 Mitigation Measures Water

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8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	-----------	-------------	-------------	-----------

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

11401 Greenstone Ave - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

11401 Greenstone Ave

South Coast Air Basin, Winter

1.0 Project Characteristics

1.1 Land Usage

Urbanization

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
General Office Building	5.42	1000sqft	0.12	5,421.00	0
Refrigerated Warehouse-No Rail	139.01	1000sqft	3.19	139,013.00	0
Parking Lot	221.00	Space	1.99	88,400.00	0

Precipitation Freq (Days)

31

1.2 Other Project Characteristics

Urban

0.5020	Giban	mila opoda (iii/o)	 1 Toolphation 1 Toq (Dayo)	0.
Climate Zone	9		Operational Year	2022
Utility Company	Southern California Ediso	on		

2.2

 CO2 Intensity
 390.98
 CH4 Intensity
 0.033
 N2O Intensity
 0.004

 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)
 (Ib/MWhr)

1.3 User Entered Comments & Non-Default Data

Project Characteristics - Consistent with the IS/MND's model.

Land Use - See SWAPE comments regarding cold storage, land use types and sizes, and parking.

Wind Speed (m/s)

Construction Phase - See SWAPE comment regarding proposed construction schedule.

Demolition - No demolition included, as IS/MND fails to provide square footage of existing buildings to be removed; see SWAPE comment regarding demolition.

Grading - See SWAPE comment regarding excavation.

Trips and VMT -

Table Name	Column Name	Default Value	New Value		
tblConstructionPhase	NumDays	20.00	30.00		
tblConstructionPhase	NumDays	230.00	86.00		

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

tblConstructionPhase	NumDays	20.00	10.00
tblConstructionPhase	NumDays	20.00	45.00
tblGrading	MaterialExported	0.00	3,300.00
tblLandUse	LandUseSquareFeet	5,420.00	5,421.00
tblLandUse	LandUseSquareFeet	139,010.00	139,013.00

2.0 Emissions Summary

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

2.1 Overall Construction (Maximum Daily Emission)

Unmitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/d	lay		
2022	46.9959	60.9403	37.7150	0.0960	27.8679	2.6087	30.4766	13.8286	2.4019	16.2305	0.0000	9,650.701 0	9,650.701 0	2.2939	0.4495	9,841.988 7
Maximum	46.9959	60.9403	37.7150	0.0960	27.8679	2.6087	30.4766	13.8286	2.4019	16.2305	0.0000	9,650.701 0	9,650.701 0	2.2939	0.4495	9,841.988 7

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year					lb/d	day							lb/c	lay		
2022	46.9959	60.9403	37.7150	0.0960	27.8679	2.6087	30.4766	13.8286	2.4019	16.2305	0.0000	9,650.701 0	9,650.701 0	2.2939	0.4495	9,841.988 7
Maximum	46.9959	60.9403	37.7150	0.0960	27.8679	2.6087	30.4766	13.8286	2.4019	16.2305	0.0000	9,650.701 0	9,650.701 0	2.2939	0.4495	9,841.988 7

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
Area	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
"	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
Mobile	1.1925	1.6617	12.9600	0.0290	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		2,960.038 8	2,960.038 8	0.1872	0.1300	3,003.467 7
Total	4.4665	1.7151	13.0420	0.0294	3.0194	0.0292	3.0486	0.8046	0.0275	0.8321		3,023.836	3,023.836	0.1886	0.1312	3,067.649

Mitigated Operational

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/	day							lb/d	lay		
Area	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Energy	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
Mobile	1.1925	1.6617	12.9600	0.0290	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		2,960.038 8	2,960.038 8	0.1872	0.1300	3,003.467 7
Total	4.4665	1.7151	13.0420	0.0294	3.0194	0.0292	3.0486	0.8046	0.0275	0.8321		3,023.836 3	3,023.836 3	0.1886	0.1312	3,067.649 2

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	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N20	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Site Preparation	Site Preparation	1/1/2022	1/16/2022	5	10	
2	Grading	Grading	1/16/2022	1/30/2022	5	10	
3	Building Construction	Building Construction	1/30/2022	5/30/2022	5	86	
4	Paving	Paving	5/30/2022	7/31/2022	5	45	
5	Architectural Coating	Architectural Coating	7/31/2022	9/11/2022	5	30	

Acres of Grading (Site Preparation Phase): 15

Acres of Grading (Grading Phase): 10

Acres of Paving: 1.99

Residential Indoor: 0; Residential Outdoor: 0; Non-Residential Indoor: 216,651; Non-Residential Outdoor: 72,217; Striped Parking Area: 5,304 (Architectural Coating – sqft)

OffRoad Equipment

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Site Preparation	Rubber Tired Dozers	3	8.00	247	0.40
Site Preparation	Tractors/Loaders/Backhoes	4	8.00	97	0.37
Grading	Excavators	1	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Tractors/Loaders/Backhoes	3	8.00	97	0.37

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Building Construction	Cranes	1	7.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	7.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	6.00	78	0.48

Trips and VMT

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Site Preparation	7	18.00	0.00	413.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Grading	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	97.00	38.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	19.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

3.1 Mitigation Measures Construction

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					19.6943	0.0000	19.6943	10.1081	0.0000	10.1081			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380		1.6126	1.6126		1.4836	1.4836		3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6943	1.6126	21.3069	10.1081	1.4836	11.5917		3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.1761	6.9144	1.6061	0.0252	0.7221	0.0530	0.7752	0.1979	0.0507	0.2487		2,774.435 5	2,774.435 5	0.1639	0.4409	2,909.925 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0476	0.6210	1.7200e- 003	0.2012	1.2000e- 003	0.2024	0.0534	1.1100e- 003	0.0545		173.5403	173.5403	4.8700e- 003	4.6700e- 003	175.0525
Total	0.2413	6.9620	2.2271	0.0269	0.9233	0.0542	0.9776	0.2513	0.0519	0.3031		2,947.975 8	2,947.975 8	0.1688	0.4456	3,084.977 7

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.2 Site Preparation - 2022

Mitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					19.6943	0.0000	19.6943	10.1081	0.0000	10.1081			0.0000			0.0000
Off-Road	3.1701	33.0835	19.6978	0.0380	 	1.6126	1.6126		1.4836	1.4836	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5
Total	3.1701	33.0835	19.6978	0.0380	19.6943	1.6126	21.3069	10.1081	1.4836	11.5917	0.0000	3,686.061 9	3,686.061 9	1.1922		3,715.865 5

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.1761	6.9144	1.6061	0.0252	0.7221	0.0530	0.7752	0.1979	0.0507	0.2487		2,774.435 5	2,774.435 5	0.1639	0.4409	2,909.925 3
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0652	0.0476	0.6210	1.7200e- 003	0.2012	1.2000e- 003	0.2024	0.0534	1.1100e- 003	0.0545		173.5403	173.5403	4.8700e- 003	4.6700e- 003	175.0525
Total	0.2413	6.9620	2.2271	0.0269	0.9233	0.0542	0.9776	0.2513	0.0519	0.3031		2,947.975 8	2,947.975 8	0.1688	0.4456	3,084.977 7

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3.3 Grading - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	day		
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656		2,872.046 4	2,872.046 4	0.9289		2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.0826	0.9409	8.0234	3.4247	0.8656	4.2903		2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771
Total	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771

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3.3 Grading - 2022

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Fugitive Dust					7.0826	0.0000	7.0826	3.4247	0.0000	3.4247			0.0000			0.0000
Off-Road	1.9486	20.8551	15.2727	0.0297		0.9409	0.9409		0.8656	0.8656	0.0000	2,872.046 4	2,872.046 4	0.9289	 	2,895.268 4
Total	1.9486	20.8551	15.2727	0.0297	7.0826	0.9409	8.0234	3.4247	0.8656	4.2903	0.0000	2,872.046 4	2,872.046 4	0.9289		2,895.268 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771
Total	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771

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3.4 Building Construction - 2022

Unmitigated Construction On-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612		2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0684	1.8673	0.6211	7.2800e- 003	0.2433	0.0183	0.2616	0.0700	0.0175	0.0876		785.1622	785.1622	0.0288	0.1141	819.8874
Worker	0.3512	0.2564	3.3463	9.2500e- 003	1.0842	6.4900e- 003	1.0907	0.2875	5.9800e- 003	0.2935		935.1893	935.1893	0.0263	0.0251	943.3384
Total	0.4196	2.1237	3.9674	0.0165	1.3275	0.0248	1.3523	0.3576	0.0235	0.3811		1,720.351 5	1,720.351 5	0.0551	0.1393	1,763.225 8

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3.4 Building Construction - 2022

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/c	lay		
	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2
Total	1.7062	15.6156	16.3634	0.0269		0.8090	0.8090		0.7612	0.7612	0.0000	2,554.333 6	2,554.333 6	0.6120		2,569.632 2

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0684	1.8673	0.6211	7.2800e- 003	0.2433	0.0183	0.2616	0.0700	0.0175	0.0876		785.1622	785.1622	0.0288	0.1141	819.8874
Worker	0.3512	0.2564	3.3463	9.2500e- 003	1.0842	6.4900e- 003	1.0907	0.2875	5.9800e- 003	0.2935		935.1893	935.1893	0.0263	0.0251	943.3384
Total	0.4196	2.1237	3.9674	0.0165	1.3275	0.0248	1.3523	0.3576	0.0235	0.3811		1,720.351 5	1,720.351 5	0.0551	0.1393	1,763.225 8

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.5 Paving - 2022 Unmitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.1159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2187	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225		2,207.660 3	2,207.660	0.7140		2,225.510 4

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771
Total	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771

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3.5 Paving - 2022

Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Off-Road	1.1028	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660 3	2,207.660 3	0.7140		2,225.510 4
Paving	0.1159					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Total	1.2187	11.1249	14.5805	0.0228		0.5679	0.5679		0.5225	0.5225	0.0000	2,207.660	2,207.660	0.7140		2,225.510 4

Mitigated Construction Off-Site

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771
Total	0.0543	0.0396	0.5175	1.4300e- 003	0.1677	1.0000e- 003	0.1687	0.0445	9.2000e- 004	0.0454		144.6169	144.6169	4.0600e- 003	3.8900e- 003	145.8771

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022 <u>Unmitigated Construction On-Site</u>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	45.4496					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062
Total	45.6541	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817		281.4481	281.4481	0.0183		281.9062

Unmitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0502	0.6555	1.8100e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		183.1814	183.1814	5.1400e- 003	4.9200e- 003	184.7776
Total	0.0688	0.0502	0.6555	1.8100e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		183.1814	183.1814	5.1400e- 003	4.9200e- 003	184.7776

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

3.6 Architectural Coating - 2022 Mitigated Construction On-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Archit. Coating	45.4496					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2045	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062
Total	45.6541	1.4085	1.8136	2.9700e- 003		0.0817	0.0817		0.0817	0.0817	0.0000	281.4481	281.4481	0.0183		281.9062

Mitigated Construction Off-Site

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0688	0.0502	0.6555	1.8100e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		183.1814	183.1814	5.1400e- 003	4.9200e- 003	184.7776
Total	0.0688	0.0502	0.6555	1.8100e- 003	0.2124	1.2700e- 003	0.2137	0.0563	1.1700e- 003	0.0575		183.1814	183.1814	5.1400e- 003	4.9200e- 003	184.7776

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.0 Operational Detail - Mobile

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	lay		
Mitigated	1.1925	1.6617	12.9600	0.0290	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		2,960.038 8	2,960.038 8	0.1872	0.1300	3,003.467 7
Unmitigated	1.1925	1.6617	12.9600	0.0290	3.0194	0.0250	3.0444	0.8046	0.0234	0.8280		2,960.038 8	2,960.038 8	0.1872	0.1300	3,003.467 7

4.2 Trip Summary Information

	Avei	age Daily Trip Ra	ite	Unmitigated	Mitigated
Land Use	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
General Office Building	52.79	11.98	3.79	128,732	128,732
Parking Lot	0.00	0.00	0.00		
Refrigerated Warehouse-No Rail	294.70	294.70	294.70	1,263,006	1,263,006
Total	347.49	306.68	298.50	1,391,738	1,391,738

4.3 Trip Type Information

		Miles			Trip %			Trip Purpos	e %
Land Use	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
General Office Building	16.60	8.40	6.90	33.00	48.00	19.00	77	19	4
Parking Lot	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Refrigerated Warehouse-No	16.60	8.40	6.90	59.00	0.00	41.00	92	5	3

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

4.4 Fleet Mix

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	МН
General Office Building	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
Parking Lot	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845
Refrigerated Warehouse-No Rail	0.544368	0.059978	0.184244	0.130791	0.023854	0.006227	0.012011	0.008603	0.000829	0.000521	0.023988	0.000741	0.003845

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category					lb/d	day							lb/d	day		
	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003		4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962
NaturalGas Unmitigated	5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0400e- 003	4.0400e- 003	1 1 1	4.0400e- 003	4.0400e- 003		63.7176	63.7176	1.2200e- 003	1.1700e- 003	64.0962

11401 Greenstone Ave - South Coast Air Basin, Winter

EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas <u>Unmitigated</u>

	NaturalGa s Use	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/	day							lb/d	day		
General Office Building	153.125	1.6500e- 003	0.0150	0.0126	9.0000e- 005		1.1400e- 003	1.1400e- 003		1.1400e- 003	1.1400e- 003		18.0147	18.0147	3.5000e- 004	3.3000e- 004	18.1217
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	388.475	4.1900e- 003	0.0381	0.0320	2.3000e- 004		2.8900e- 003	2.8900e- 003		2.8900e- 003	2.8900e- 003		45.7029	45.7029	8.8000e- 004	8.4000e- 004	45.9745
Total		5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0300e- 003	4.0300e- 003		4.0300e- 003	4.0300e- 003		63.7176	63.7176	1.2300e- 003	1.1700e- 003	64.0962

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

5.2 Energy by Land Use - NaturalGas

Mitigated

	NaturalGa s Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr					lb/d	day							lb/d	day		
General Office Building	0.153125	1.6500e- 003	0.0150	0.0126	9.0000e- 005		1.1400e- 003	1.1400e- 003		1.1400e- 003	1.1400e- 003		18.0147	18.0147	3.5000e- 004	3.3000e- 004	18.1217
Parking Lot	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Refrigerated Warehouse-No Rail	0.388475	4.1900e- 003	0.0381	0.0320	2.3000e- 004		2.8900e- 003	2.8900e- 003		2.8900e- 003	2.8900e- 003		45.7029	45.7029	8.8000e- 004	8.4000e- 004	45.9745
Total		5.8400e- 003	0.0531	0.0446	3.2000e- 004		4.0300e- 003	4.0300e- 003		4.0300e- 003	4.0300e- 003		63.7176	63.7176	1.2300e- 003	1.1700e- 003	64.0962

6.0 Area Detail

6.1 Mitigation Measures Area

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

	ROG	NOx	СО	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day						lb/day									
Mitigated	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Unmitigated	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory		lb/day							lb/day							
Architectural Coating	0.3736					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8911					0.0000	0.0000	 	0.0000	0.0000			0.0000			0.0000
Landscaping	3.4800e- 003	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Total	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

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6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day							lb/day								
Architectural Coating						0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	2.8911					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Landscaping	0.40000	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853
Total	3.2681	3.4000e- 004	0.0374	0.0000		1.3000e- 004	1.3000e- 004		1.3000e- 004	1.3000e- 004		0.0800	0.0800	2.1000e- 004		0.0853

7.0 Water Detail

7.1 Mitigation Measures Water

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EMFAC Off-Model Adjustment Factors for Gasoline Light Duty Vehicle to Account for the SAFE Vehicle Rule Not Applied

8.0 Waste Detail

8.1 Mitigation Measures Waste

9.0 Operational Offroad

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type

10.0 Stationary Equipment

Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type

User Defined Equipment

Equipment Type	Number

11.0 Vegetation

Attachment B

	Construction								
2022			Total						
Annual Emissions (tons/year)	0.0629		Total DPM (lbs)	87.19835616					
Daily Emissions (lbs/day)	0.344657534		Total DPM (g)	39553.17436					
Construction Duration (days)	253		Total Construction Days	253					
Total DPM (lbs)	87.19835616		Emission Rate (g/s)	0.001809452					
Total DPM (g)	39553.17436		Release Height (meters)	3					
Start Date	1/1/2022		Initial Vertical Dimension (meters)	1.5					
End Date	9/11/2022		Max Horizontal (meters)	266.0					
Construction Days	253		Min Horizontal (meters)	101.0					
			Total Acreage	6.63872731					
			Setting	City of Santa Fe Springs					
			Population	17,810					
			Start Date	1/1/2022					
			End Date	9/11/2022					
			Total Construction Days	253					
			Total Years of Operation	29.31					

Operati	on
Emission	Rate
Annual Emissions (tons/year)	0.00518
Daily Emissions (lbs/day)	0.028383562
Emission Rate (g/s)	0.000149014
Release Height (meters)	3
Initial Vertical Dimension (meters)	1.5
Max Horizontal (meters)	266.0
Min Horizontal (meters)	101.0
Total Acreage	6.63872731
Setting	City of Santa Fe Springs
Population	17,810
Total Pounds	of DPM
Total DPM (lbs)	10.36

Start date and time 08/03/21 12:24:49

AERSCREEN 16216

Greenstone Construction

Greenstone Construction

		DATA	ENTRY	VALIDATION	
		METRIC		ENGLISH	I
**	AREADATA **				

Emission Rate: 0.181E-02 g/s 0.144E-01 lb/hr

Area Height: 3.00 meters 9.84 feet

Area Source Length: 266.00 meters 872.70 feet

Area Source Width: 101.00 meters 331.36 feet

Vertical Dimension: 1.50 meters 4.92 feet

Model Mode: URBAN

Population: 17810

Dist to Ambient Air: 1.0 meters 3. feet

^{**} BUILDING DATA **

No Building Downwash Parameters

** TERRAIN DATA **

No Terrain Elevations

Source Base Elevation: 0.0 meters 0.0 feet

Probe distance: 5000. meters 16404. feet

No flagpole receptors

No discrete receptors used

** FUMIGATION DATA **

No fumigation requested

** METEOROLOGY DATA **

Min/Max Temperature: 250.0 / 310.0 K -9.7 / 98.3 Deg F

Minimum Wind Speed: 0.5 m/s

Anemometer Height: 10.000 meters Dominant Surface Profile: Urban Dominant Climate Type: Average Moisture Surface friction velocity (u*): not adjusted DEBUG OPTION ON AERSCREEN output file: Greenstone_Construction.out *** AERSCREEN Run is Ready to Begin No terrain used, AERMAP will not be run *************** SURFACE CHARACTERISTICS & MAKEMET

Obtaining surface characteristics...

Using AERMET seasonal surface characteristics for Urban with Average Moisture

Season	Albedo	Во	zo
Winter	0.35	1.50	1.000
Spring	0.14	1.00	1.000
Summer	0.16	2.00	1.000
Autumn	0.18	2.00	1.000

Creating met files aerscreen_01_01.sfc & aerscreen_01_01.pfl

Creating met files aerscreen_02_01.sfc & aerscreen_02_01.pfl

Creating met files aerscreen_03_01.sfc & aerscreen_03_01.pfl

Creating met files aerscreen_04_01.sfc & aerscreen_04_01.pfl

Buildings and/or terrain present or rectangular area source, skipping probe

FLOWSECTOR started 08/03/21 12:26:38

Running AERMOD

Processing Winter

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 6

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 2

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 5

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 3

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 10

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

*************** Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 15 ****** WARNING MESSAGES ****** CO W320 URBOPT: Input Parameter May Be Out-of-Range for Parameter 36 URB-POP Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 20 ****** WARNING MESSAGES ***** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP ******************* Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 25

URBOPT: Input Parameter May Be Out-of-Range for Parameter

36

CO W320

URB-POP

WARNING MESSAGES

```
Processing Spring
Processing surface roughness sector 1
******************
Processing wind flow sector
AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector
   ******
            WARNING MESSAGES
                            *****
CO W320
                  URBOPT: Input Parameter May Be Out-of-Range for Parameter
           36
  URB-POP
***************
Processing wind flow sector
AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector
                            *****
   ******
            WARNING MESSAGES
CO W320
           36
                  URBOPT: Input Parameter May Be Out-of-Range for Parameter
  URB-POP
****************
Processing wind flow sector
```

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 10

Running AERMOD

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 4

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 15

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 5

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 20

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 6

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 25

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Running AERMOD

Processing Summer

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector @

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 2

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 5

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

*************** Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 10 ****** WARNING MESSAGES ****** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 15 ***** WARNING MESSAGES ***** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP ******************* Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 20 WARNING MESSAGES ***** *****

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 6

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 25

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Running AERMOD

Processing Autumn

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 0

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 2

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 3

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 10

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 4

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 15

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 5

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 6

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 25

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

FLOWSECTOR ended 08/03/21 12:26:49

REFINE started 08/03/21 12:26:49

AERMOD Finishes Successfully for REFINE stage 3 Winter sector 0

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

REFINE ended 08/03/21 12:26:51

AERSCREEN Finished Successfully

But with Warnings

Ending date and time 08/03/21 12:26:53

	Distance Elevation D	_			Date	Н0	U*	W* DT/DZ	ZICN	V
ZIMCH M-O LEN 0.21031E+01	N Z0 BOWEN ALE 1.00 0.00 0.0	Winter		REF TA 10011001	HT	0.042	0.000	0.020 -999.	21	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0-300	10011001	-1.50	0.043	-9.000	0.020 -999.	21.	0.0
0.22552E+01	25.00 0.00 0.0	Winter	0-360	10011001	_1 30	0.043	-0 000	0.020 -999.	21	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0-300	10011001	-1.50	0.043	-9.000	0.020 -999.	21.	0.0
0.23897E+01	50.00 0.00 0.0	Winter	0-360	10011001	_1 30	0.043	-0 000	0.020 -999.	21	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0-300	10011001	-1.50	0.073	-2.000	0.020 -777.	21.	0.0
0.25045E+01	75.00 0.00 0.0	Winter	0-360	10011001	-1 30	0.043	-9 000	0.020 -999.	21	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0-300	10011001	-1.50	0.043	-2.000	0.020 - 777.	21.	0.0
0.26065E+01	100.00 0.00 5.0	Winter	0-360	10011001	-1 30	0.043	-9 000	0.020 -999.	21	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0 300	10011001	1.50	0.015	7.000	0.020 999.	21.	0.0
0.26906E+01	125.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0		0 200	10011001	1.50	0.0.5	7. 000	0.020 333.	21.	0.0
* 0.27530E+01	134.00 0.00 0.0		0-360	10011001	-1.30	0.04	3 -9.000	0.020 -999	. 21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0		0 000	10011001		0.0.1	,,,,,,	. 0.020 333		0.0
0.22982E+01	150.00 0.00 15.0	-	0-360	10011001	-1.30	0.043	3 -9.000	0.020 -999	. 21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0									
0.17632E+01	175.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0								
0.14428E+01	200.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.12400E+01	225.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.10814E+01	250.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.95518E+00	275.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.85206E+00	300.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.76692E+00	325.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.69524E+00	350.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0								
0.63475E+00	375.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0								
0.58252E+00	400.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0								
0.53768E+00	425.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0	2.0								
0.49798E+00	450.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0	0.260	10011001	4.00	0.040	0.000	0.000	- 1	6.0
0.46352E+00	475.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0	0.260	10011001	1.20		0.000	0.020.000	2.1	6.0
0.43285E+00	500.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0	0.260	10011001	1 20	0.043	0.000	0.020.000	0.1	6.0
0.40558E+00	525.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0	2.0	0.260	10011001	1 20	0.042	0.000	0.020.000	21	()
0.38121E+00	550.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35		2.0	0.260	10011001	1 20	0.042	0.000	0.020.000	21	6.0
0.35922E+00	575.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
0.33918E+00	0.50 10.0 310.0 600.00 0.00 0.00	2.0 Winter	0.260	10011001	1 20	0.042	0.000	0.020 -999.	21	6.0
0.33710E±00	0.00.00 0.00 0.0	w mer	0-300	10011001	-1.30	0.043	-2.000	0.020 -999.	∠1.	0.0

1 000 1 50 0 25	0.50 100 2100	2.0							
	0.50 10.0 310.0 5525.00 0.00 0.0	2.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
		2.0	0-300	10011001	-1.50	0.043 -7.000	0.020 - 777.	21.	0.0
	650.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0							
0.28979E+00 6	675.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0							
	700.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0	0.260	10011001	1.20	0.042 0.000	0.020.000	0.1	<i>(</i> 0
	725.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0 1750.00 0.00 0.00	2.0 Winter	0-360	10011001	1.20	0.043 -9.000	0.020, 000	21	6.0
		2.0	0-300	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
	775.00 0.00 0.0	Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
		2.0	0 300	10011001	1.50	0.015 9.000	0.020))).	21.	0.0
	800.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0							
0.22120E+00 8	325.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0							
	350.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0							
	375.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0	0.260	10011001	1.20	0.042 0.000	0.020.000	21	<i>(</i> 0
	900.00 0.00 0.0 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	925.00 0.00 0.0	Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
		2.0	0-300	10011001	-1.50	0.043 -7.000	0.020 - 777.	21.	0.0
	950.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0							
0.17665E+00 9	975.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0							
	0.00 0.00 0.00	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
		2.0							
	025.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0		0.260	10011001	1 20	0.042 0.000	0.020.000	21	6.0
	050.00 0.00 0.0 0.50 10.0 310.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	075.00 0.00 0.0	2.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
	0.50 10.0 310.0		0-300	10011001	-1.50	0.043 -2.000	0.020 - 777.	21.	0.0
	100.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35									
0.14564E+00 1	125.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35	0.50 10.0 310.0	2.0							
	150.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0								
	175.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	0.50 10.0 310.0		0.260	10011001	1.20	0.042 0.000	0.020.000	21	6.0
0.13347E+00 12 1.000 1.50 0.35	200.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	225.00 0.00 0.0	2.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
	0.50 10.0 310.0		0 200	10011001	1.50	0.015 7.000	0.0 <u>0</u> 0	~ 1.	0.0
	250.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35									
0.12291E+00 12	275.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.11971E+00 1300.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.11666E+00 1325.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	6.0
0.11374E+00 1350.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.11095E+00 1375.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 500	10011001	1.50 0.015 9.000	0.020 000.	21.	0.0
0.10827E+00 1400.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.10571E+00 1425.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	6.0
0.10325E+00 1450.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.10089E+00 1475.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 2 0 0	10011001	1.00 0.0 .0 9.000	0.020 3330		0.0
0.98625E-01 1500.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.96448E-01 1525.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.94353E-01 1550.00 0.00 0.0 Winter	0.260	10011001	-1.30 0.043 -9.000	0.020.000	21	6.0
0.94353E-01 1550.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.92336E-01 1575.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 2 0 0	10011001	1.00 0.0 10 9.000	0.020		0.0
0.90384E-01 1600.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.88504E-01 1625.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.86691E-01 1650.00 0.00 0.0 Winter	0.260	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.84942E-01 1675.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.83254E-01 1700.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.000	10011001	1 20 0 0 12 0 000	0.000		- 0
0.81624E-01 1725.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.80038E-01 1750.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -7.000	0.020 - 777.	21.	0.0
0.78505E-01 1775.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.77023E-01 1800.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	2.1	6.0
0.75589E-01 1825.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.74201E-01 1850.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50 0.015 7.000	0.020))).	21.	0.0
0.72857E-01 1875.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.71555E-01 1900.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	6.0
0.70293E-01 1925.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	u.u2u - 999.	<i>Z</i> 1.	6.0
0.69069E-01 1950.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21.	6.0
	2 2 0 0					

1 000 1 50 0 25 0 50 10 0 210 0	2.0							
1.000 1.50 0.35 0.50 10.0 310.0 0.68576E-01 1975.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
	2.0							
0.67405E-01 2000.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.66267E-01 2025.00 0.00 0.0	2.0 Winter	0-360	10011001	-1 30 0 0	43 -9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.50 0.0-	73 -7.000	0.020 -777.	21.	0.0
0.65163E-01 2050.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.64090E-01 2075.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 0	42 0 000	0.020 -999.	21	6.0
0.63048E-01 2100.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-300	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	0.0
0.62034E-01 2125.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.61048E-01 2150.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0.260	10011001	1.20.00	42 0 000	0.020.000	21	6.0
0.60089E-01 2175.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
0.59156E-01 2200.00 0.00 0.0	Winter	0-360	10011001	-1 30 0 0	43 -9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0 500	10011001	1.50 0.0	15 7.000	0.020))).	21.	0.0
0.58248E-01 2225.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.57364E-01 2250.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.56502E-01 2275.00 0.00 0.0	2.0 Winter	0-360	10011001	-1 30 0 0	43 -9 000	0.020 -999.	21	6.0
	2.0	0-300	10011001	-1.50 0.0	73 -7.000	0.020 -777.	21.	0.0
0.55663E-01 2300.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.54845E-01 2325.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.54048E-01 2350.00 0.00 0.0	2.0 Winter	0-360	10011001	1 20 0 0	42 0 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	0.0
0.53271E-01 2375.00 0.00 5.0		0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.52512E-01 2400.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0.260	10011001	1 20 0 0	42 0 000	0.020.000	21	<i>(</i> 0
0.51773E-01 2425.00 0.00 5.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
0.51051E-01 2450.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.50346E-01 2475.00 0.00 5.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1.20.00	42 0 000	0.020.000	2.1	
0.49658E-01 2500.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
0.48986E-01 2525.00 0.00 5.0	Winter	0-360	10011001	-1 30 0 0	43 -9 000	0.020 -999.	21	6.0
	2.0	0 300	10011001	1.50 0.0	15 7.000	0.020))).	21.	0.0
0.48330E-01 2550.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.47689E-01 2575.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.47062E-01 2600.00 0.00 0.0	2.0 Winter	0-360	10011001	_1 30 00	43 <u>-</u> 0 ∩∩∩	0.020 -999.	21	6.0
	2.0	0-300	10011001	-1.50 0.04	73 -3.000	U.U4U - 2777.	∠1.	0.0
0.46450E-01 2625.00 0.00 0.0		0-360	10011001	-1.30 0.04	43 -9.000	0.020 -999.	21.	6.0

1	000 150 025 050 100 2100 20							
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.45851E-01 2650.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
1	0.45266E-01 2675.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.44693E-01 2700.00 0.00 0.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50	0.043 -7.000	0.020 -777.	21.	0.0
	0.44133E-01 2725.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
1	0.43584E-01 2750.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.43048E-01 2775.00 0.00 10.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0 500	10011001	1.50	0.015 9.000	0.020))).	21.	0.0
	0.42523E-01 2800.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
1	0.42009E-01 2825.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.41505E-01 2850.00 0.00 0.0 Winter	0-360	10011001	_1 30	0.043 -9.000	0.020 -000	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50	0.043 -9.000	0.020 -333.	21.	0.0
•	0.41012E-01 2875.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
	0.40529E-01 2900.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.40056E-01 2925.00 0.00 10.0 Winter	0.260	10011001	1.20	0.043 -9.000	0.020.000	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
•	0.39592E-01 2950.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
	0.39137E-01 2975.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20	0.042 0.000	0.020.000	21	()
1	0.38692E-01 3000.00 0.00 5.0 Winter .000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	0.38255E-01 3025.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0							
	0.37826E-01 3050.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20	0.042 0.000	0.020.000	21	<i>(</i> 0
1	0.37406E-01 3075.00 0.00 10.0 Winter .000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	0.36994E-01 3100.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0 200	10011001	1.00		0.020 333.		0.0
	0.36589E-01 3125.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042 0.000	0.020.000	0.1	<i>c</i> 0
1	0.36193E-01 3150.00 0.00 10.0 Winter .000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	0.35803E-01 3174.99 0.00 10.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0 020 -999	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0 200	10011001	1.50	0.015 3.000	0.020 999.	21.	0.0
	0.35421E-01 3200.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0.00	10011001	4.20	0.042	0.000.000		
1	0.35046E-01 3225.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0 0.34678E-01 3250.00 0.00 5.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50	0.015 7.000	0.020))).	~ 1.	0.0
	0.34316E-01 3275.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1	.000 1.50 0.35 0.50 10.0 310.0 2.0	0.5	100115	4	0.046.0.5	0.000.000	•	
	0.33961E-01 3300.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1.000 1 0.3361	.50 0.35 0.50 10 2E-01 3325.00	.0 310.0 2.0 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1	.50 0.35 0.50 10	.0 310.0 2.0								
0.3326	9E-01 3350.00 .50 0.35 0.50 10	0.00 0.0 .0 310.0 2.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.3293		$0.00 \ 0.0$	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10				10011001	1.00	0.0.0	0.020 333.		0.0
0.3260		0.00 20.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1 0.3227	.50 0.35 0.50 10 7E-01 3425.00	.0 310.0 2.0 0.00 0.0	Winter	0.360	10011001	1 20	0.043 -9.000	0.020, 000	21	6.0
	.50 0.35 0.50 10			0-300	10011001	-1.50	0.043 -9.000	0.020 -999.	21.	0.0
0.3195		0.00 5.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10									
0.3164		0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.3133	.50 0.35 0.50 10 4E-01 3500.00	0.00 20.0	Winter	0-360	10011001	-1 30	0.043 -9.000	0 020 -999	21	6.0
	.50 0.35 0.50 10			0 300	10011001	1.50	0.015 7.000	0.020))).	21.	0.0
0.3103		0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10			0.260	10011001	1.20	0.042.0.000	0.020.000	21	<i>(</i> 0
0.3073	2E-01 3550.00 .50 0.35 0.50 10	0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.3043		0.00 15.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1	.50 0.35 0.50 10									
0.3015		0.00 20.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.2986	.50 0.35 0.50 10 5E-01 3625.00	0.00 0.0	Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -000	21	6.0
	.50 0.35 0.50 10			0-300	10011001	-1.50	0.043 -7.000	0.020 -777.	21.	0.0
0.2958	6E-01 3650.00	0.00 5.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10			0.260	10011001	1.20	0.042 0.000	0.020.000	2.1	<i>c</i> 0
0.2931	1E-01 3675.00 .50 0.35 0.50 10	0.00 0.0 .0 310.0 2.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.2904			Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10									
0.2877		0.00 20.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.2851	.50 0.35 0.50 10 2E-01 3750.00	.0 310.0 2.0 0.00 25.0	Winter	0.360	10011001	1 20	0.043 -9.000	0.020, 000	21	6.0
	.50 0.35 0.50 10			0-300	10011001	-1.50	0.043 -9.000	0.020 -999.	21.	0.0
0.2825		0.00 25.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10			0.260	10011001	1.20	0.042.0000	0.000.000	0.1	
0.2800	0E-01 3800.00 .50 0.35 0.50 10		Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.2775			Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10									
0.2750			Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1 0.2726	.50 0.35 0.50 10 1E-01 3875.00	.0 310.0 2.0 0.00 5.0	Winter	0.360	10011001	1 20	0.043 -9.000	0.020, 000	21	6.0
	.50 0.35 0.50 10			0-300	10011001	-1.50	0.043 -9.000	0.020 -999.	21.	0.0
0.2702			Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	.50 0.35 0.50 10									
0.2678			Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.2655	.50 0.35 0.50 10 6E-01 3950.00		Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999	21.	6.0
	.50 0.35 0.50 10					1.50	2.0.5 2.000	2.0_0 ///.		J.J
0.2632	8E-01 3975.00	0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1 000 1 50 0 25 0 50 10 0 210 0 2 0							
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.26103E-01 4000.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.000	10011001	1.00	0.042.0000	0.000		
0.25881E-01 4025.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.25663E-01 4050.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.25448E-01 4075.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.25236E-01 4100.00 0.00 25.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.25027E-01 4125.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.24821E-01 4150.00 0.00 0.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0 020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50	0.015 7.000	0.020))).	21.	0.0
0.24618E-01 4175.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.24418E-01 4200.00 0.00 10.0 Winter	0.260	10011001	1.20	0.043 -9.000	0.020.000	21	6.0
0.24418E-01 4200.00 0.00 10.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
0.24220E-01 4225.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.2.60	10011001	1.00	0.042.0000	0.000		
0.24026E-01 4250.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.23834E-01 4275.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.23644E-01 4300.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.23458E-01 4325.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50	0.015 7.000	0.020))).	21.	0.0
0.23273E-01 4350.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.23092E-01 4375.00 0.00 10.0 Winter	0.360	10011001	1 20	0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50	0.043 -3.000	0.020 -999.	21.	0.0
0.22913E-01 4400.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042.0000	0.020.000	0.1	6.0
0.22736E-01 4425.00 0.00 10.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.22561E-01 4449.99 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.22389E-01 4475.00 0.00 10.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.22219E-01 4500.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50	0.015 7.000	0.020))).	21.	0.0
0.22051E-01 4525.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.21886E-01 4550.00 0.00 0.0 Winter	0.260	10011001	1.20	0.043 -9.000	0.020.000	21	6.0
0.21886E-01 4550.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.21722E-01 4575.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042.0000	0.020.000	2.1	
0.21561E-01 4600.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.21402E-01 4625.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.21245E-01 4650.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.21090E-01 4675.00 0.00 15.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.20936E-01 4700.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.20785E-01 4725.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.20636E-01 4750.00 0.00 0.0		0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.20488E-01 4775.00 0.00 0.0		0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 04	2 0 000	0.020.000	21	6.0
0.20342E-01 4800.00 0.00 0.0		0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 04	2 0 000	0.020.000	21	6.0
0.20198E-01 4825.00 0.00 0.0		0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.20056E-01 4850.00 0.00 0.0	2.0 Winter	0.260	10011001	1 20 0 04	2 0 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.30 0.04	5 -9.000	0.020 -999.	21.	0.0
0.19915E-01 4875.00 0.00 0.0		0-360	10011001	-1 30 0 04	3 -9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.50 0.04	3 -2.000	0.020 - 777.	21.	0.0
0.19777E-01 4900.00 0.00 0.0	Winter	0-360	10011001	-1 30 0 04	3 -9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0 500	10011001	1.50 0.01	3 7.000	0.020 999.	21.	0.0
0.19639E-01 4925.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.19504E-01 4950.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.19393E-01 4975.00 0.00 0.0	Winter	0-360	10010612	7.12 0.119	0.300	0.020 130.	95.	-20.5
1.000 1.50 0.35 0.50 10.0 280.0	2.0							
0.19325E-01 5000.00 0.00 0.0	Winter	0-360	10010612	7.12 0.119	9 0.300	0.020 130.	95.	-20.5
1.000 1.50 0.35 0.50 10.0 280.0	2.0							

Start date and time 07/30/21 19:32:46

AERSCREEN 16216

Greenstone_Operation

Greenstone_Operation

		DATA	ENTRY VALIDATION	
		METRIC	ENGLISH	
**	AREADATA **			

Emission Rate: 0.150E-03 g/s 0.119E-02 lb/hr

Area Height: 3.00 meters 9.84 feet

Area Source Length: 266.00 meters 872.70 feet

Area Source Width: 101.00 meters 331.36 feet

Vertical Dimension: 1.50 meters 4.92 feet

Model Mode: URBAN

Population: 17810

Dist to Ambient Air: 1.0 meters 3. feet

^{**} BUILDING DATA **

No Building Downwash Parameters

** TERRAIN DATA **

No Terrain Elevations

Source Base Elevation: 0.0 meters 0.0 feet

Probe distance: 5000. meters 16404. feet

No flagpole receptors

No discrete receptors used

** FUMIGATION DATA **

No fumigation requested

** METEOROLOGY DATA **

Min/Max Temperature: 250.0 / 310.0 K -9.7 / 98.3 Deg F

Minimum Wind Speed: 0.5 m/s

Anemometer Height: 10.000 meters Dominant Surface Profile: Urban Dominant Climate Type: Average Moisture Surface friction velocity (u*): not adjusted DEBUG OPTION ON AERSCREEN output file: Greenstone_Operation.out *** AERSCREEN Run is Ready to Begin No terrain used, AERMAP will not be run *************** SURFACE CHARACTERISTICS & MAKEMET

Obtaining surface characteristics...

Using AERMET seasonal surface characteristics for Urban with Average Moisture

Season	Albedo	Во	zo
Winter	0.35	1.50	1.000
Spring	0.14	1.00	1.000
Summer	0.16	2.00	1.000
Autumn	0.18	2.00	1.000

Creating met files aerscreen_01_01.sfc & aerscreen_01_01.pfl

Creating met files aerscreen_02_01.sfc & aerscreen_02_01.pfl

Creating met files aerscreen_03_01.sfc & aerscreen_03_01.pfl

Creating met files aerscreen_04_01.sfc & aerscreen_04_01.pfl

Buildings and/or terrain present or rectangular area source, skipping probe

FLOWSECTOR started 07/30/21 19:33:30

Running AERMOD

Processing Winter

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 6

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 2

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 5

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 3

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 10

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

*************** Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 15 ****** WARNING MESSAGES ****** CO W320 URBOPT: Input Parameter May Be Out-of-Range for Parameter 36 URB-POP Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 20 ***** WARNING MESSAGES ***** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP ******************* Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Winter sector 25

URBOPT: Input Parameter May Be Out-of-Range for Parameter

36

CO W320

URB-POP

WARNING MESSAGES

```
Processing Spring
Processing surface roughness sector 1
******************
Processing wind flow sector
AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector
   ******
            WARNING MESSAGES
                            *****
CO W320
                  URBOPT: Input Parameter May Be Out-of-Range for Parameter
           36
  URB-POP
***************
Processing wind flow sector
AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector
                            *****
   *****
            WARNING MESSAGES
CO W320
           36
                  URBOPT: Input Parameter May Be Out-of-Range for Parameter
  URB-POP
****************
Processing wind flow sector
```

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 10

Running AERMOD

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 4

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 15

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 5

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Spring sector 20

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 6

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Running AERMOD

Processing Summer

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector @

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 2

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 5

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

*************** Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 10 ****** WARNING MESSAGES ****** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 15 ***** WARNING MESSAGES ***** CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP ******************* Processing wind flow sector AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 20 WARNING MESSAGES ***** *****

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 6

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Summer sector 25

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Running AERMOD

Processing Autumn

Processing surface roughness sector 1

Processing wind flow sector 1

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 0

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter URB-POP

Processing wind flow sector 2

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 3

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 10

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 4

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 15

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 5

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

Processing wind flow sector 6

AERMOD Finishes Successfully for FLOWSECTOR stage 2 Autumn sector 25

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

FLOWSECTOR ended 07/30/21 19:34:01

REFINE started 07/30/21 19:34:01

AERMOD Finishes Successfully for REFINE stage 3 Winter sector 0

****** WARNING MESSAGES ******

CO W320 36 URBOPT: Input Parameter May Be Out-of-Range for Parameter

URB-POP

REFINE ended 07/30/21 19:34:04

AERSCREEN Finished Successfully

But with Warnings

Check 1	og f	ile f	or det	tails
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Ending date and time 07/30/21 19:34:11

	ance Elevation D	-			Date	Н0	U*	W* DT/DZ	ZICN	V
	Z0 BOWEN ALI .00 0.00 0.0	Winter		REF TA 10011001	HT -1.30	0.043	9 000	0.020 -999.	21	6.0
	50 10.0 310.0	2.0	0-300	10011001	-1.50	0.073	-7.000	0.020 - 777.	21.	0.0
	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0			-100					
0.19809E+00 50	0.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.	50 10.0 310.0	2.0								
0.20761E+00 75	0.00 0.00	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
	0.00 0.00 5.0		0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
	5.00 0.00 0.0		0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0		0.260	10011001	1.20	0.04			21	6.0
	34.00 0.00 0.0		0-360	10011001	-1.30	0.04	3 -9.000	0.020 -999	. 21.	6.0
	50 10.0 310.0		0.260	10011001	1.20	0.004	2 0 000	0.020.000	21	6.0
	0.00 0.00 15.0 50 10.0 310.0		0-360	10011001	-1.30	0.04	3 -9.000	0.020 -999	. 21.	0.0
	5.00 0.00 0.0		0-360	10011001	1 30	0.043	9 000	0.020 -999.	21	6.0
	50 10.0 310.0	2.0	0-300	10011001	-1.50	0.043	-9.000	0.020 -999.	21.	0.0
	0.00 0.00 0.0	-	0-360	10011001	-1 30	0.043	-9 000	0.020 -999.	21	6.0
	50 10.0 310.0	2.0	0 300	10011001	1.50	0.045	7.000	0.020))).	21.	0.0
	5.00 0.00 0.0		0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0	0 200	10011001	1.00	0.0.0	,,,,,	0.0_0 >>>.		0.0
	0.00 0.00 0.00	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
0.79180E-01 275	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.	50 10.0 310.0	2.0								
0.70632E-01 300	0.0 0.0 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
	0.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.		2.0	0.260	10011001	1.20	0.042	0.000	0.020.000	0.1	6.0
	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.		2.0	0.260	10011001	1 20	0.042	0.000	0.020, 000	21	6.0
	0.00 0.00 0.0 50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	5.00 0.00 0.0	2.0 Winter	0.360	10011001	1 30	0.043	9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.		2.0	0-300	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	0.0
	0.00 0.00 0.0	Winter	0-360	10011001	-1 30	0.043	-9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.		2.0	0 300	10011001	1.50	0.013	7.000	0.020))).	21.	0.0
	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.		2.0	0 200	10011001	1.00	0.0.0	,,,,,	0.020 3331		0.0
	0.00 0.00 0.00	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
	50 10.0 310.0	2.0								
0.33620E-01 525	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.	50 10.0 310.0	2.0								
0.31600E-01 550	0.00 0.00	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.		2.0								
	5.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.		2.0					a			
0.28116E-01 600	0.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043	-9.000	0.020 -999.	21.	6.0

1,000, 1,50, 0,25, 0,50, 10,0, 210,0	2.0							
1.000 1.50 0.35 0.50 10.0 310.0 0.26617E-01 625.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0			-10				
0.25259E-01 650.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.24022E-01 675.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.22883E-01 700.00 0.00 0.0	2.0 Winter	0-360	10011001	1.20	0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.50	0.043 -9.000	0.020 -999.	21.	0.0
0.21826E-01 725.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0			-10				
0.20847E-01 750.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.19945E-01 775.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0.260	10011001	1.20	0.042.0.000	0.020.000	0.1	6.0
0.19110E-01 800.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.18337E-01 825.00 0.00 0.0	2.0 Winter	0.260	10011001	1.20	0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
0.17618E-01 850.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0 300	10011001	1.50	0.015 7.000	0.020))).	21.	0.0
0.16947E-01 875.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.16313E-01 900.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.15720E-01 925.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0 Winter	0.260	10011001	1.20	0.042 0.000	0.020.000	21	6.0
0.15165E-01 950.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.14644E-01 975.00 0.00 0.0	Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0 300	10011001	1.50	0.045 7.000	0.020))).	21.	0.0
0.14154E-01 1000.00 0.00 0.0	-	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.13691E-01 1025.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0								
0.13252E-01 1050.00 0.00 0.0		0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0.260	10011001	1.20	0.042.0.000	0.020.000	21	<i>(</i> 0
0.12837E-01 1075.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.12445E-01 1100.00 0.00 0.0		0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0 300	10011001	1.50	0.045 7.000	0.020))).	21.	0.0
0.12073E-01 1125.00 0.00 0.0		0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.11721E-01 1150.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.11386E-01 1175.00 0.00 0.0		0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1.20	0.042.0000	0.020.000	2.1	6.0
0.11064E-01 1200.00 0.00 0.0		0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.10758E-01 1225.00 0.00 0.0	2.0 Winter	0-360	10011001	_1 30	0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-500	10011001	-1.50	0.073 -3.000	0.040 - 222.	∠1.	0.0
0.10466E-01 1250.00 0.00 0.0		0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
	2.0			- •				-
0.10189E-01 1275.00 0.00 0.0	Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1,000, 1,50, 0,25, 0,50, 10,0, 210,0	2.0						
1.000 1.50 0.35 0.50 10.0 310.0 0.99235E-02 1300.00 0.00 0.0	2.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0						
0.96703E-02 1325.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.94283E-02 1350.00 0.00 0.0	2.0 Winter	0.360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
	2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.91968E-02 1375.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0						
0.89751E-02 1400.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	6.0
	Winter 2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.85589E-02 1450.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0						
0.83634E-02 1475.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	0.1	6.0
0.81756E-02 1500.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.79951E-02 1525.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0 200	10011001	1.50 0.0 15 7.000	0.020 999.	21.	0.0
0.78215E-02 1550.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 0 12 0 000	0.020.000	2.1	
0.76543E-02 1575.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.74925E-02 1600.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
	2.0	0 200	10011001	1.50 0.015 9.000	0.020 999.	21.	0.0
0.73366E-02 1625.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.2.60	10011001	4.20.0042.0000	0.000		
0.71863E-02 1650.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.70413E-02 1675.00 0.00 0.0	2.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
	2.0	0 300	10011001	1.50 0.045 7.000	0.020 777.	21.	0.0
0.69014E-02 1700.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0							
0.67663E-02 1725.00 0.00 0.0		0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.66348E-02 1750.00 0.00 0.0	2.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0 020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0		0-300	10011001	-1.50 0.045 -7.000	0.020 - 777.	21.	0.0
0.65077E-02 1775.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0						
0.63849E-02 1800.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.62660E-02 1825.00 0.00 0.0	2.0 Winter	0.360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
	2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.61509E-02 1850.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0						
0.60395E-02 1875.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	()
0.59315E-02 1900.00 0.00 0.0 1.000 1.50 0.35 0.50 10.0 310.0	Winter 2.0	0-300	10011001	-1.30 0.043 -9.000	U.UZU - 999.	21.	6.0
0.58269E-02 1925.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0				2.2.2.2.2	///		
0.57255E-02 1950.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0

1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.54933E-02 2025.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-300	10011001	-1.30 0.043 -7.000	0.020 - 777.	21.	0.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0		10011001				
0.52263E-02 2100.00 0.00 0.0 Wi 1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50 0.045 7.000	0.020))).	21.	0.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	()
0.49038E-02 2200.00 0.00 0.0 Wi 1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0		10011001	1.50 0.015 3.000	0.020 999.	21.	0.0
0.47552E-02 2250.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.46142E-02 2300.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 0 12 0 000	0.020.000	21	6.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.43530E-02 2400.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -7.000	0.020 - 777.	21.	0.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.41735E-02 2475.00 0.00 0.0 Wi	inton 0.260	10011001	-1.30 0.043 -9.000	0.020.000	21	6.0
0.41735E-02 2475.00 0.00 0.0 Wi 1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 0 12 0 000	0.020.000	0.1	
0.40063E-02 2550.00 0.00 0.0 Wi 1.000 1.50 0.35 0.50 10.0 310.0 2.0	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50 0.015 7.000	0.0 <u>0</u> 0 777.	~ 1.	0.0
0.39012E-02 2600.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.38505E-02 2625.00 0.00 0.0 Wi	inter 0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0

1 000 1 50 0 25 0 50 10 0 210 0 2 0						
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.38008E-02 2650.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.37523E-02 2675.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.37048E-02 2700.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50 0.045 -7.000	0.020 -777.	21.	0.0
0.36584E-02 2725.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.36129E-02 2750.00 0.00 10.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.35685E-02 2775.00 0.00 0.0 Winter	0.360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.35249E-02 2800.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.34823E-02 2825.00 0.00 10.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.34406E-02 2850.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.33997E-02 2875.00 0.00 0.0 Winter	0.260	10011001	1 20 0 042 0 000	0.020.000	21	6.0
0.33997E-02 2875.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.33597E-02 2900.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 500	10011001	1.50 0.015 7.000	0.020 999.	21.	0.0
0.33204E-02 2925.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.32820E-02 2950.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 0 12 0 000	0.020.000	21	<i>c</i> 0
0.32443E-02 2975.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.32073E-02 3000.00 0.00 0.0 Winter	0.360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	0.0
0.31711E-02 3025.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0				0.0_0		
0.31356E-02 3050.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.31008E-02 3075.00 0.00 10.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042 0 000	0.020.000	21	<i>(</i> 0
0.30666E-02 3100.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
0.30331E-02 3125.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50 0.045 7.000	0.020))).	21.	0.0
0.30002E-02 3150.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						
0.29679E-02 3175.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 0 12 0 000	0.020.000	2.1	6.0
0.29363E-02 3200.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.29051E-02 3225.00 0.00 0.0 Winter	0.360	10011001	-1.30 0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -7.000	0.020 - 777.	21.	0.0
0.28746E-02 3250.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0						-
0.28446E-02 3275.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.5	4004455	4.00 0.015	0.000	•	
0.28152E-02 3300.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -9.000	0.020 -999.	21.	6.0

1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.27863E-02 3325.00 0.00 0.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0 020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.27579E-02 3350.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.27300E-02 3375.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 2 0 0	10011001	1.00	0.0.0	0.020 3331		0.0
0.27025E-02 3400.00 0.00 20.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.26756E-02 3425.00 0.00 0.0 Winter	0.260	10011001	1.20	0.043 -9.000	0.020.000	21	6.0
0.26756E-02 3425.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
0.26491E-02 3450.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.26230E-02 3475.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.25975E-02 3500.00 0.00 20.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 300	10011001	1.50	0.015 9.000	0.020))).	21.	0.0
0.25723E-02 3525.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042 0.000	0.020.000	21	()
0.25475E-02 3550.00 0.00 5.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.25232E-02 3575.00 0.00 15.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.24992E-02 3600.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.24757E-02 3625.00 0.00 0.0 Winter	0-360	10011001	-1 30	0.043 -9.000	0.020 -000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50	0.043 -7.000	0.020 -777.	21.	0.0
0.24525E-02 3650.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042.0000	0.020.000	0.1	6.0
0.24297E-02 3675.00 0.00 20.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.24073E-02 3700.00 0.00 20.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.23852E-02 3724.99 0.00 20.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.23635E-02 3750.00 0.00 5.0 Winter	0.360	10011001	1 30	0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50	0.043 -9.000	0.020 -333.	21.	0.0
0.23421E-02 3775.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1.20	0.042 0.000	0.000.000	2.1	6.0
0.23211E-02 3800.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
0.23003E-02 3825.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.22799E-02 3849.99 0.00 15.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.22598E-02 3875.00 0.00 0.0 Winter	0.360	10011001	1.20	0.043 -9.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	0.0
0.22400E-02 3900.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.22206E-02 3925.00 0.00 5.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.22013E-02 3950.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 200		2.50	2.0.5 2.000	2.0_0)//.		
0.21824E-02 3975.00 0.00 0.0 Winter	0-360	10011001	-1.30	0.043 -9.000	0.020 -999.	21.	6.0

1 000 1 50 0 25 0 50 10 0 210 0 2 0							
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.21638E-02 4000.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.21454E-02 4025.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042	0.000	0.020.000	21	()
0.21274E-02 4050.00 0.00 10.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043	-9.000	0.020 -999.	21.	6.0
0.21095E-02 4075.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -	9 000	0 020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 200	10011001	1.50 0.0.5	,. 000	0.020))).	21.	0.0
0.20919E-02 4100.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.20746E-02 4125.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042	0.000	0.020.000	21	6.0
0.20576E-02 4150.00 0.00 10.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043	-9.000	0.020 -999.	21.	6.0
0.20407E-02 4175.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 200	10011001	1.50 0.0.5	,. 000	0.020))).	21.	0.0
0.20241E-02 4200.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.20078E-02 4225.00 0.00 10.0 Winter	0-360	10011001	-1.30 0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.19916E-02 4250.00 0.00 0.0 Winter	0.260	10011001	-1.30 0.043 -	0.000	0.020, 000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	0.0
0.19757E-02 4275.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.19600E-02 4300.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	4 40 0 0 44		0.000	•	
0.19445E-02 4325.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.19293E-02 4350.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9 000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.50 0.043 -	7.000	0.020 -777.	21.	0.0
0.19142E-02 4375.00 0.00 5.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.18993E-02 4400.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042	0.000	0.020.000	0.1	<i>(</i> 0
0.18847E-02 4425.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
0.18702E-02 4450.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9 000	0.020 -999	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 500	10011001	1.50 0.015	7.000	0.020))).	21.	0.0
0.18559E-02 4475.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.18419E-02 4500.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0.260	10011001	1 20 0 042	0.000	0.020.000	21	6.0
0.18280E-02 4525.00 0.00 0.0 Winter 1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
0.18142E-02 4550.00 0.00 15.0 Winter	0-360	10011001	-1.30 0.043	-9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0 2 0 0	10011001	1.00 0.0.0	,,,,,,	0.020 333.		0.0
0.18007E-02 4575.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0							
0.17873E-02 4600.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0 0.17741E-02 4625.00 0.00 0.0 Winter	0.260	10011001	-1.30 0.043 -	0 000	0.020.000	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0 2.0	0-300	10011001	-1.30 0.043 -	7.000	U.U∠U - ፆፆፆ.	41.	0.0
0.17611E-02 4650.00 0.00 0.0 Winter	0-360	10011001	-1.30 0.043 -	9.000	0.020 -999.	21.	6.0

1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.17482E-02 4675.00 0.00 15.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.17355E-02 4700.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.17230E-02 4725.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.17106E-02 4750.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.16983E-02 4775.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 04	2 0 000	0.020.000	2.1	6.0
0.16863E-02 4800.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0	0.260	10011001	1 20 0 04	2 0 000	0.020.000	21	<i>(</i> 0
0.16743E-02 4825.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0 0.16625E-02 4850.00 0.00 0.0	2.0 Winter	0.260	10011001	1 20 0 04	2 0 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	0.0
0.16509E-02 4875.00 0.00 0.0	Winter	0-360	10011001	-1 30 0 04	3 -9 000	0.020 -999.	21	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0	0-300	10011001	-1.50 0.04	3 -7.000	0.020 - 777.	21.	0.0
0.16394E-02 4900.00 0.00 5.0	Winter	0-360	10011001	-1 30 0 04	3 -9 000	0.020 -999.	21	6.0
	2.0	0 500	10011001	1.50 0.01	5 7.000	0.020 999.	21.	0.0
0.16280E-02 4925.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
	2.0							
0.16168E-02 4950.00 0.00 0.0	Winter	0-360	10011001	-1.30 0.04	3 -9.000	0.020 -999.	21.	6.0
1.000 1.50 0.35 0.50 10.0 310.0	2.0							
0.16076E-02 4975.00 0.00 0.0	Winter	0-360	10010612	7.12 0.119	9 0.300	0.020 130.	95.	-20.5
1.000 1.50 0.35 0.50 10.0 280.0	2.0							
0.16020E-02 5000.00 0.00 0.0	Winter	0-360	10010612	7.12 0.119	9 0.300	0.020 130.	95.	-20.5
1.000 1.50 0.35 0.50 10.0 280.0	2.0							



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Matthew F. Hagemann, P.G.,* C.Hg**

Geologic and Hydrogeologic
Characterization, Investigation
and Remediation Strategies
Expert Testimony
Industrial Stormwater Compliance
CEQA Review

Professional Certifications:

*Professional Geologist

Education:

M.S. Degree, Geology, California State University Los Angeles, Los Angeles, CA, 1984. B.A. Degree, Geology, Humboldt State University, Arcata, CA, 1982.

Professional Certifications:

California Professional Geologist California Certified Hydrogeologist

Professional Experience:

30 years of experience in environmental policy, contaminant assessment and remediation, stormwater compliance, and CEQA review. Spent nine years with the U.S. EPA in the Resource Conservation Recovery Act (RCRA) and

^{**}Certified Hydrogeologist

Superfund programs and served as EPA's Senior Science Policy Advisor in the Western Regional Office where he identified emerging threats to groundwater. While with EPA, served as a Senior Hydrogeologist in the oversight of the assessment of seven major military facilities undergoing base closure. Led numerous enforcement actions under provisions of the Resource Conservation and Recovery Act (RCRA) and directed efforts to improve hydrogeologic characterization and water quality monitoring. For the past 15 years, as a founding partner with SWAPE, developed extensive client relationships and has managed complex projects that include consultations as an expert witness and a regulatory specialist, and managing projects ranging from industrial stormwater compliance to CEQA review of impacts from hazardous waste, air quality and greenhouse gas emissions.

Positions held include:

Government:

- Senior Science Policy Advisor and Hydrogeologist, U.S. Environmental Protection Agency (1989–1998);
- Hydrogeologist, National Park Service, Water Resources Division (1998 2000);
- Geologist, U.S. Forest Service (1986 1998)

Educational:

- Geology Instructor, Golden West College, 2010 2104, 2017;
- Adjunct Faculty Member, San Francisco State University, Department of Geosciences (1993 1998);
- Instructor, College of Marin, Department of Science (1990 1995);

Private Sector:

- Founding Partner, Soil/Water/Air Protection Enterprise (SWAPE) (2003 present);
- Senior Environmental Analyst, Komex H2O Science, Inc. (2000 -- 2003);
- Executive Director, Orange Coast Watch (2001 2004);
- Geologist, Dames & Moore (1984 1986).

Senior Regulatory and Litigation Support Analyst:

With SWAPE, responsibilities have included:

• Lead analyst and testifying expert, for both plaintiffs and defendants, in the review of over 300 environmental impact reports and negative declarations since 2003 under CEQA that identify significant issues with regard to

- hazardous waste, water resources, water quality, air quality, greenhouse gas emissions, and geologic hazards.
- Recommending additional mitigation measures to lead agencies at the local and county level to include additional characterization of health risks and implementation of protective measures to reduce exposure to hazards from toxins.
- Stormwater analysis, sampling and best management practice evaluation, for both government agencies and corporate clients, at more than 150 industrial facilities.
- Serving as expert witness for both plaintiffs and defendants in cases including contamination of groundwater, CERCLA compliance in assessment and remediation, and industrial stormwater contamination.
- Technical assistance and litigation support for vapor intrusion concerns, for both government agencies and corporate clients.
- Lead analyst and testifying expert in the review of environmental issues in license applications for large solar power plants before the California Energy Commission.
- Manager of a project to evaluate numerous formerly used military sites in the western U.S.
- Manager of a comprehensive evaluation of potential sources of perchlorate contamination in Southern California drinking water wells.
- Manager and designated expert for litigation support under provisions of Proposition 65 in the review of releases of gasoline to sources drinking water at major refineries and hundreds of gasstations throughout California.

With Komex H2O Science Inc., duties included the following:

- Senior author of a report on the extent of perchlorate contamination that was used in testimonyby the former U.S. EPA Administrator and General Counsel.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of MTBE use, research, and regulation.
- Senior researcher in the development of a comprehensive, electronically interactive chronology of perchlorate use, research, and regulation.
- Senior researcher in a study that estimates nationwide costs for MTBE remediation and drinkingwater treatment, results of which were published in newspapers nationwide and in testimony against provisions of an energy bill that would limit liability for oil companies.
- Research to support litigation to restore drinking water supplies that have been contaminated by MTBE in California and New York.
- Lead author for a multi-volume remedial investigation report for an

- operating school in Los Angeles that met strict regulatory requirements and rigorous deadlines.
- Development of strategic approaches for cleanup of contaminated sites in consultation with clients and regulators.

Executive Director:

As Executive Director with Orange Coast Watch, an Orange County-based not-for-profit water-quality organization, led efforts to restore water quality at Orange County beaches from multiple sources of contamination including urban runoff and the discharge of wastewater. In reporting to a Board of Directors that included representatives from leading Orange County universities and businesses, prepared issue papers in the areas of treatment and disinfection of wastewater and control of the discharge of grease to sewer systems. Actively participated in the development of countywide water quality permits for the control of urban runoff and permits for the discharge of wastewater. Worked with other nonprofits to protect and restore water quality, including Surfrider, Natural Resources Defense Council and Orange County CoastKeeper as well as with business institutions including the Orange County Business Council.

Hydrogeology:

As a Senior Hydrogeologist with the U.S. Environmental Protection Agency, led investigations to characterize and cleanup closing military bases, including Mare Island Naval Shipyard, Hunters Point Naval Shipyard, Treasure Island Naval Station, Alameda Naval Station, Moffett Field, Mather Army Airfield, and Sacramento Army Depot. Specific activities included:

- Leading efforts to model groundwater flow and contaminant transport, ensured adequacy of monitoring networks, and assessed cleanup alternatives for contaminated sediment, soil, and groundwater.
- Initiating a regional program for evaluation of groundwater sampling practices and laboratory analysis at military bases.
- Identifying emerging issues, wrote technical guidance, and assisted in policy and regulation development through work on four national U.S. EPA workgroups, including the Superfund Groundwater Technical Forum and the Federal Facilities Forum.

At the request of the State of Hawaii, developed a methodology to determine the vulnerability of groundwater to contamination on the islands of Maui and Oahu. Used

analytical models and a GIS to show zones of vulnerability, and the results were adopted and published by the State of Hawaii and County of Maui.

As a hydrogeologist with the EPA Groundwater Protection Section, worked with provisions of the Safe Drinking Water Act and NEPA to prevent drinking water contamination. Specific activities included the following:

- Received an EPA Bronze Medal for contribution to the development of national guidance for the protection of drinking water.
- Managed the Sole Source Aquifer Program and protected the drinking water of two communities through designation under the Safe Drinking Water Act.
 Prepared geologic reports, conducted hearings, and responded to public comments from residents who were very concerned about the impact of designation.
- Reviewed a number of Environmental Impact Statements for planned major developments, including large hazardous and solid waste disposal facilities, mine reclamation, and water transfer.

Served as a hydrogeologist with the RCRA Hazardous Waste program. Duties included:

- Supervised the hydrogeologic investigation of hazardous waste sites to determine compliance with Subtitle C requirements.
 - Reviewed and wrote "part B" permits for the disposal of hazardous waste.
- Conducted RCRA Corrective Action investigations of waste sites and led inspections that formed the basis for significant enforcement actions that were developed in close coordination with U.S.EPA legal counsel.
- Wrote contract specifications and supervised contractor's investigations of waste sites.

With the National Park Service, directed service-wide investigations of contaminant sources to prevent degradation of water quality, including the following:

- Applied pertinent laws and regulations including CERCLA, RCRA, NEPA, NRDA, and the Clean Water Act to control military, mining, and landfill contaminants.
- Conducted watershed-scale investigations of contaminants at parks, including Yellowstone and Olympic National Park.
- Identified high-levels of perchlorate in soil adjacent to a national park in New Mexicoand advised park superintendent on appropriate response actions under CERCLA.
- Served as a Park Service representative on the Interagency Perchlorate Steering Committee, a national workgroup.

- Developed a program to conduct environmental compliance audits of all National Parks while serving on a national workgroup.
- Co-authored two papers on the potential for water contamination from the operation of personalwatercraft and snowmobiles, these papers serving as the basis for the development of nation- wide policy on the use of these vehicles in National Parks.
- Contributed to the Federal Multi-Agency Source Water Agreement under the Clean Water Action Plan.

Policy:

Served as senior management as the Senior Science Policy Advisor with the U.S. Environmental Protection Agency, Region 9. Activities included the following:

- Advising the Regional Administrator and senior management on emerging issues such as the potential for the gasoline additive MTBE and ammonium perchlorate to contaminate drinking water supplies.
- Shaping EPA's national response to these threats by serving on workgroups and by contributing to guidance, including the Office of Research and Development publication, Oxygenates in Water: Critical Information and Research Needs.
- Improving the technical training of EPA's scientific and engineering staff.
- Earning an EPA Bronze Medal for representing the region's 300 scientists and engineers innegotiations with the Administrator and senior management to better integrate scientific principles into the policy-making process.
- Establishing national protocol for the peer review of scientific documents.

Geology:

With the U.S. Forest Service, led investigations to determine hillslope stability of areas proposed fortimber harvest in the central Oregon Coast Range. Specific activities included:

- Mapping geology in the field, and used aerial photographic interpretation and mathematical models to determine slope stability.
- Coordinating research with community stakeholders who were concerned with natural resource protection.
- Characterizing the geology of an aquifer that serves as the sole source of drinking water for thecity of Medford, Oregon.

As a consultant with Dames and Moore, led geologic investigations of two contaminated sites (later listed on the Superfund NPL) in the Portland, Oregon, area and a large

hazardous waste site in eastern Oregon. Duties included the following:

- Supervising year-long effort for soil and groundwater sampling.
- Conducting aquifer tests.
 - Investigating active faults beneath sites proposed for hazardous waste disposal.

Teaching:

From 1990 to 1998, taught at least one course per semester at the community college and university levels:

- At San Francisco State University, held an adjunct faculty position and taught courses in environmental geology, oceanography (lab and lecture), hydrogeology, and groundwater contamination.
- Served as a committee member for graduate and undergraduate students.
- Taught courses in environmental geology and oceanography at the College of Marin.
- Part time geology instructor at Golden West College in Huntington Beach, California from 2010 to 2014 and in 2017.

<u>Invited Testimony, Reports, Papers and Presentations:</u>

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Presentation to the PublicEnvironmental Law Conference, Eugene, Oregon.

Hagemann, M.F., 2008. Disclosure of Hazardous Waste Issues under CEQA. Invited presentation to U.S.EPA Region 9, San Francisco, California.

Hagemann, M.F., 2005. Use of Electronic Databases in Environmental Regulation, Policy Making and Public Participation. Brownfields 2005, Denver, Coloradao.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Water in Nevada and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Las Vegas, NV (served on conference organizing committee).

Hagemann, M.F., 2004. Invited testimony to a California Senate committee hearing on air toxins atschools in Southern California, Los Angeles.

Brown, A., Farrow, J., Gray, A. and **Hagemann, M.**, 2004. An Estimate of Costs to Address MTBEReleases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells.

Presentation to the Ground Water and Environmental Law Conference, National

Groundwater Association.

Hagemann, M.F., 2004. Perchlorate Contamination of the Colorado River and Impacts to Drinking Waterin Arizona and the Southwestern U.S. Presentation to a meeting of the American Groundwater Trust, Phoenix, AZ (served on conference organizing committee).

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River and Impacts to Drinking Waterin the Southwestern U.S. Invited presentation to a special committee meeting of the National Academy of Sciences, Irvine, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to atribal EPA meeting, Pechanga, CA.

Hagemann, M.F., 2003. Perchlorate Contamination of the Colorado River. Invited presentation to ameeting of tribal representatives, Parker, AZ.

Hagemann, M.F., 2003. Impact of Perchlorate on the Colorado River and Associated Drinking WaterSupplies. Invited presentation to the Inter-Tribal Meeting, Torres Martinez Tribe.

Hagemann, M.F., 2003. The Emergence of Perchlorate as a Widespread Drinking Water Contaminant.Invited presentation to the U.S. EPA Region 9.

Hagemann, M.F., 2003. A Deductive Approach to the Assessment of Perchlorate Contamination. Invited presentation to the California Assembly Natural Resources Committee.

Hagemann, M.F., 2003. Perchlorate: A Cold War Legacy in Drinking Water. Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. From Tank to Tap: A Chronology of MTBE in Groundwater. Presentation to ameeting of the National Groundwater Association.

Hagemann, M.F., 2002. A Chronology of MTBE in Groundwater and an Estimate of Costs to AddressImpacts to Groundwater. Presentation to the annual meeting of the Society of Environmental Journalists.

Hagemann, M.F., 2002. An Estimate of the Cost to Address MTBE Contamination in

Groundwater (and Who Will Pay). Presentation to a meeting of the National Groundwater Association.

Hagemann, M.F., 2002. An Estimate of Costs to Address MTBE Releases from Underground Storage Tanks and the Resulting Impact to Drinking Water Wells. Presentation to a meeting of the U.S. EPA and State Underground Storage Tank Program managers.

Hagemann, M.F., 2001. From Tank to Tap: A Chronology of MTBE in Groundwater. Unpublishedreport.

Hagemann, M.F., 2001. Estimated Cleanup Cost for MTBE in Groundwater Used as Drinking Water. Unpublished report.

Hagemann, M.F., 2001. Estimated Costs to Address MTBE Releases from Leaking Underground StorageTanks. Unpublished report.

Hagemann, M.F., and VanMouwerik, M., 1999. Potential Water Concerns Related to Snowmobile Usage. Water Resources Division, National Park Service, Technical Report.

Van Mouwerik, M. and **Hagemann**, M.F. 1999, Water Quality Concerns Related to Personal Watercraft Usage. Water Resources Division, National Park Service, Technical Report.

Hagemann, M.F., 1999, Is Dilution the Solution to Pollution in National Parks? The George WrightSociety Biannual Meeting, Asheville, North Carolina.

Hagemann, M.F., 1997, The Potential for MTBE to Contaminate Groundwater. U.S. EPA SuperfundGroundwater Technical Forum Annual Meeting, Las Vegas, Nevada.

Hagemann, M.F., and Gill, M., 1996, Impediments to Intrinsic Remediation, Moffett Field Naval AirStation, Conference on Intrinsic Remediation of Chlorinated Hydrocarbons, Salt Lake City.

Hagemann, M.F., Fukunaga, G.L., 1996, The Vulnerability of Groundwater to Anthropogenic Contaminants on the Island of Maui, Hawaii. Hawaii Water Works Association Annual Meeting, Maui, October 1996.

Hagemann, M. F., Fukanaga, G. L., 1996, Ranking Groundwater Vulnerability in Central Oahu,

Hawaii. Proceedings, Geographic Information Systems in Environmental Resources Management, Airand Waste Management Association Publication VIP-61.

Hagemann, M.F., 1994. Groundwater Ch ar ac terization and Clean up at Closing Military Basesin California. Proceedings, California Groundwater Resources Association Meeting.

Hagemann, M.F. and Sabol, M.A., 1993. Role of the U.S. EPA in the High Plains States Groundwater Recharge Demonstration Program. Proceedings, Sixth Biennial Symposium on the Artificial Recharge of Groundwater.

Hagemann, M.F., 1993. U.S. EPA Policy on the Technical Impracticability of the Cleanup of DNAPL-contaminated Groundwater. California Groundwater Resources Association Meeting.

Hagemann, M.F., 1992. Dense Nonaqueous Phase Liquid Contamination of Groundwater: An Ounce of Prevention... Proceedings, Association of Engineering Geologists Annual Meeting, v. 35.

Other Experience:

Selected as subject matter expert for the California Professional Geologist licensing examinations, 2009-2011.

Attachment E

SWAPE Technical Consultation, Data Analysis and Litigation Support for the Environment

SOIL WATER AIR PROTECTION ENTERPRISE

525 Broadway Avenue, Suite 203 Santa Monica, California 90401 Attn: Paul Rosenfeld, Ph.D.

Tel: (310) 795-2335 Fax: (310) 434-0011

Email: prosenfeld@swape.com

Paul Rosenfeld, Ph.D.

Chemical Fate and Transport & Air Dispersion Modeling

Principal Environmental Chemist

Risk Assessment And Remediation Specialist

Education

Ph.D. Soil Chemistry, University of Washington, 1999. Dissertation on VOC filtration.

M.S. Environmental Science, U.C. Berkeley, 1995. Thesis on organic waste economics.

B.A. Environmental Studies, U.C. Santa Barbara, 1991. Thesis on wastewater treatment.

Professional Experience

Dr. Rosenfeld is the environmental chemist at Soil Water Air Protection Enterprise (SWAPE). His focus is the fate and transport of environmental contaminants, risk assessment, and ecological restoration. His project experience ranges from monitoring and modeling of pollution sources as they relate to human

and ecological health. Dr. Rosenfeld has investigated and designed remediation programs and risk

assessments for contaminated sites containing, petroleum, MtBE and fuel oxygenates, chlorinated

solvents, pesticides, radioactive waste, PCBs, PAHs, dioxins, furans, volatile organics, semi-volatile

organics, perchlorate, heavy metals, asbestos, PFOA, unusual polymers, and odor. Significant projects

performed by Dr. Rosenfeld include the following:

Litigation Support

Client: Nexsen Pruet, LLC (Charleston, South Carolina)

Serving as expert in chlorine exposure in railroad tank car accident where approximately 120,000 pounds of chlorine

were released.

Client: Buzbee Law Firm (Houston, Texas)

Serving as expert in catalyst release and refinery emissions cases against BP Texas City. One case settled regarding worker exposure, but ongoing litigation remains involving ~21,500 plaintiffs who have health claims and are seeking remediation from chemicals released from BP facility.

Client: Girardi Keese (Los Angeles, California)

SWAPE 1 Rosenfeld CV

Serving as expert investigating hydrocarbon exposure and property damage for ~600 individuals and ~280 properties in Carson, California, where homes were constructed above a large tank farm formerly owned by Shell.

Client: Brent Coon Law Firm (Cleveland, Ohio)

Served as expert calculating an environmental exposure to benzene, PAHs, and VOCs from a Chevron Refinery in Hooven Ohio. Ran AERMOD to calculate cumulative dose.

Client: Girardi Keese (Los Angeles, California)

Served as expert testifying on hydrocarbon exposure to a woman who worked on a fuel barge operated by Chevron. Demonstrated that the plaintiff was exposed to excessive amounts of benzene.

Client: Lundy Davis (Lake Charles, Louisiana)

Served as consulting expert on an oil field case representing the lease holder of a contaminated oil field. Conducted field work evaluating oil field contamination in Sulfur, Louisiana. Property is owned by Conoco Phillips, but leased by Yellow Rock, a small oil firm.

Client: Cox Cox Filo (Lake Charles, Louisiana)

Serving as testifying expert on multimillion gallon oil spill in Lake Charles which occurred on June 19, 2006, resulting in hydrocarbon vapor exposure to hundreds of workers and residents. Prepared air model and calculated dose. Demonstrated that petroleum odor alone can result in significant health harms.

Client: Cotchett Pitre & McCarthy (San Francisco, California)

Served as testifying expert representing homeowners who unknowingly purchased homes built on an old oil field in Santa Maria, California. Properties have high concentrations of petroleum hydrocarbons in subsurface soils resulting in diminished property value.

Client: Baron & Budd (Dallas, Texas) & Weitz & Luxenberg (New York, NY)

Serving as consulting expert in MTBE Federal Multi District Litigation (MDL) in New York. Consolidated ground water data, created maps for test cases, constructed damage model, evaluated taste and odor threshold levels.

Client: Law Offices Of Anthony Liberatore P.C. (Los Angeles, California)

Served as testifying expert representing individuals who rented homes on the Inglewood Oil Field in California. Plaintiffs were exposed to hydrocarbon contaminated water and air, and experienced health harms associated with the petroleum exposure.

Client: Baron & Budd P.C. Dallas Texas and Korein Tillery (Madison, County)

Illinois, Private Wells Analysis: Coordinated data acquisition and GIS analysis evaluating private well proximity to leaking underground storage tanks to support litigation noting that private well owners should be compensated for MTBE testing.

Client: Orange County District Attorney (Orange County, California)

Coordinated a review of 143 ARCO gas stations in Orange County to assist the District Attorney's prosecution of CCR Title 23 and California Health and Safety Code violators.

Client: Environmental Litigation Group (Birmingham, Alabama)

Serving as testifying expert in a health effects case against ABC Coke/Drummond Co for polluting a community with PAHs, benzene, particulate matter, heavy metals, and coke oven emissions. Created air dispersions models and conducted attic dust sampling, exposure modeling, and risk assessment for plaintiffs.

Client: Masry Vitatoe (Westlake Village, CA), Engstrom Lipscomb Lack (Los Angeles, CA) & Baron & Budd (Dallas Texas).

Served as consulting expert in Proposition 65 lawsuit filed against the major oil companies for benzene and toluene releases from gas stations and refineries which contaminated groundwater. Settlement included over \$110 million dollars in injunctive relief.

Client: Tommy Franks Law Firm (Austin, Texas)

Served as expert evaluating groundwater contamination which resulted from the hazardous waste injection program and negligent actions of Morton Thiokol and Rohm Hass. Interpreted drinking water contamination and community exposure.

Client: Baron & Budd (Dallas Texas) and Sher Leff (San Francisco, California)

Serving as consulting expert for several California cities which have filed defective product cases against Dow Chemical and Shell for 1,2,3-trichloropropane groundwater contamination. Generated maps showing capture zones of impacted wells for various municipalities.

Client: Baron & Budd (Dallas Texas) and Korein Tillery (Madison County, Illinois)

Serving as consulting expert for a Class Action defective product Atrazine claim filed in Madison County, Illinois against Syngenta and five other manufactures. The plaintiff class representative is Holiday Shores Water System which is evaluating health issues associated with atrazine, costing out treatment for filtration of public drinking water supplies.

Client: Weitz & Luxenberg (New York, NY)

Serving as expert on Property Damage and Nuisance claims resulting from emissions from the Countywide Landfill in Ohio. The landfill had an exothermic reaction or fire resulting from aluminum dross dumping, and the EPA fined the landfill \$10,000,000 dollars.

Client: Baron & Budd (Dallas Texas)

Serving as consulting expert for a groundwater contamination case in Pensacola Florida where fluorinated compounds contaminated wells operated by Escambia County.

Client: Environmental Litigation Group (Birmingham, Alabama)

Serving as an expert on property damage, medical monitoring and toxic tort claims that have been filed on behalf of over 12,000 plaintiffs who were exposed to PCBs and dioxins/furans resulting from emissions from Monsanto and Cerro Copper's operations in East Sauget, Illinois.

Client: Environmental Litigation Group (Birmingham, Alabama)

Served as an expert on groundwater case when Exxon Mobil and Helena Chemical released ethylene dichloride into groundwater resulting in a large plume. Prepared report on the appropriate treatment technology and cost, and flaws with the proposed on site remedy.

Client: Environmental Litigation Group (Birmingham, Alabama)

Serving as an expert on air emissions released when a Bartlo Packaging Incorporated facility in West Helena Arkansas exploded resulting in community exposure to pesticides and smoke from combustion of pesticides.

Client: Omara & Padilla (San Diego, Califorinia)

Served as testifying expert on nuisance case against Nutro Dogfood Company that constructed a large dog food processing facility in the middle of a residential community in Victorville California with no odor control devices. The facility has undergone significant modifications including installation of a regenerative thermal oxidizer.

Client: Environmental Litigation Group (Birmingham, Alabama)

Serving as an expert on property damage and medical monitoring claims that have been filed against International Paper resulting from chemical emissions from facilities located in Bastrop Louisiana, Prattville, Alabama, and Georgetown South Carolina.

Client: Estep and Shafer (West Virginia)

Served as expert running various air models to calculate acid emissions dose to residents resulting from emissions from a coal fired power plant in West Virginia.

Client: Watts Law Firm (Austin, Texas), Woodfill Pressler (Houston, Texas), Woska & Ass. (Oklahoma)

Served as testifying expert on community and worker exposure to CCA, creosote, PAHs, and dioxins/furans from a BNSF and Kopper's Facility in Somerville, Texas. Conducted field sampling, risk assessment, dose assessment and air modelling to quantify exposure to workers and community members.

Client: Environmental Litigation Group (Birmingham, Alabama)

Served as expert regarding community exposure to CCA, creosote, PAHs, and dioxins/furans from a Louisiana Pacific wood treatment facility in Florala, Alabama. Conducted blood sampling and environmental sampling to determine environmental exposure to dioxins/furans and PAHs.

Client: Sanders Law (Colorado Springs, Co) and Vamvoras & Schwartzberg (Lake Charles, Louisiana)

Serving as expert calculating chemical exposure to over 500 workers from large ethylene dichloride spill in Lake Charles, Louisiana, at the Conoco Phillips Refinery.

Client: Baron & Budd P.C. (Dallas, Texas)

Served as consulting expert in a defective product lawsuit against Dow Agroscience focusing on Clopyralid, a recalcitrant herbicide that damaged numerous compost facilities across the United States.

Client: Sullivan Papain Block McGrath & Cannavo (NY, NY) and The Cochran Firm (Dothan, MS)

Served as expert regarding community exposure to metals, PAHs PCBs, and dioxins/furans from the burning of Ford Paint Sludge and municipal solid waste in Ringwood, New Jersey.

Client: Rose, Klein Marias (Los Angeles, CA)

Serving as expert in Proposition 65 cases, each one citing an individual facility in the Port of Oakland. Prepared air dispersion and risk models to demonstrate that each facility emits diesel particulate matter that results in risks exceeding 1/100,000, hence violating the Proposition 65 Statute.

Client: Rose, Klein Marias (Los Angeles, CA)

Serving as expert in 55 Proposition 65 cases, each one citing an individual facility in the Port of Los Angeles and Port of Long Beach as the defendant. Prepared air dispersion and risk models to demonstrate that each facility emits diesel particulate matter that results in risks exceeding 1/100,000, hence violating the Proposition 65 Statute.

Client: Graham & Associates (Calabasas, CA)

Served as expert in a case in which General Motors is the plaintiff and BP Arco is the defendant. Conducted air models to demonstrate that sulfur emissions from the BP Arco facility formed sulfuric acid, destroying paint on over 350 automobiles.

Client: Rose, Klien Marias (Los Angeles, CA) and Environmental Law Foundation (San Francisco, CA)

Served as expert in a Proposition 65 case against potato chip manufacturers. Conducted an analysis of several brands of potato chips for acrylamide concentration and found that all samples exceeded Proposition 65 No Significant Risk Levels.

Client: Gonzales & Robinson (Westlake Village, CA)

Served as testifying expert in a toxic tort case against Chevron (Ortho) for allowing a community to be contaminated with lead arsenate pesticide. Created air dispersion models, soil vadose zone transport models, and evaluated bioaccumulation of lead arsenate in food.

Client: Environment Now (Santa Monica, CA)

Served as expert for Environment Now to convince the State of California to file a nuisance claim against the automobile manufactures to recover MediCal damages from expenditures on asthma-related health care costs.

Client: Trutanich Michell (Long Beach, California)

Served as expert representing San Pedro Boat Works in the Port of Los Angeles. Prepared air dispersion, particulate air dispersion, and storm water discharge models to demonstrate that Kaiser Bulk Loading is responsible for copper concentrate accumulating in the bay sediment.

Client: Azurix of North America (Fort Myers, Florida)

Provided expert opinions, reports and research pertaining to a proposed County Ordinance requiring biosolids applicators to measure VOC and odor concentrations at application sites' boundaries.

Client: MCP Polyurethane (Pittsburg, Kansas)

Provided expert opinions and reports regarding metal-laden landfill runoff that damaged a running track by causing the reversion of the polyurethane due to its catalytic properties.

Risk Assessment And Modeling

Client: ABT-Haskell (San Bernardino, California)

Prepared air dispersion model for a proposed state-of-the-art enclosed compost facility. Developed odor detection limits to predict 1, 8, and 24-hour off-site concentrations of sulfur, ammonia, and amine as well as prepared a traffic analysis.

Client: Jefferson PRP Group (Los Angeles, California)

Evaluated exposure pathways for chlorinated solvents and hexavalent chromium for human health risk assessment of Los Angeles Academy (formerly Jefferson New Middle School) operated by Los Angeles Unified School District.

Client: Covanta (Susanville California)

Prepared human health risk assessment for Covanta Energy focusing on agricultural worker exposure to caustic fertilizer.

Client: CIWMB (Sacramento California)

Used dispersion models to estimate traveling distance and VOC concentrations downwind from a composting facility for the California Integrated Waste Management Board.

Client: Carboquimeca (Bogotá, Columbia)

Evaluated exposure pathways for human health risk assessment for a confidential client focusing on significant concentrations of arsenic and chlorinated solvents contaminating groundwater used for drinking water.

Client: Navy Base Realignment and Closure Team (Treasure Island, California)

Used Johnson-Ettinger model to estimate indoor air PCB concentrations and compared estimated values with empirical data collected in homes. Negotiated action levels with DTSC.

Client: San Diego State University (San Diego California)

Measured CO_2 flux from soils amended with different quantities of biosolids compost at Camp Pendleton to determine CO_2 credit values for coastal sage under fertilized and non-fertilized conditions.

Client: Navy Base Realignment and Closure Team (MCAS Tustin, California)

Evaluated cumulative risk of a multiple pathway scenario with a child resident and a construction worker's exposure to air and soil via particulate and vapor inhalation, incidental soil ingestion, and dermal contact with soil.

Client: MCAS Miramar (San Diego, California)

Evaluated exposure pathways of metals in soil, comparing site data to background data. Risk assessment incorporated multiple pathway scenarios assuming child resident and construction worker exposure to particulate and vapor inhalation, soil ingestion, and dermal soil contact.

Client: Naval Weapons Station (Seal Beach, California)

Used a multiple pathway model to generate dust emission factors from automobiles driving on dirt roads. Calculated bioaccumulation of metals, PCBs, dioxin congeners and pesticides to estimate human and ecological risk.

Client: King County, Douglas County (Washington State)

Measured PM_{10} and $PM_{2.5}$ emissions from windblown soil treated with biosolids and a polyacrylamide polymer in Douglas County Washington. Used Pilat Mark V impactor for measurement and compared data to EPA particulate regulations.

Client: King County, Seattle, Washington.

Conducted emission inventory for several compost and wastewater facilities comparing VOC, particulate, and fungi concentrations to NIOSH values estimating risk to workers and individuals at neighboring facilities.

Air Pollution Investigation and Remediation

Client: Republic Landfill (Santa Clarita, CA)

Managed a field investigation of odor around a landfill during 30+ events. Using hedonic tone, butanol scale, dilution-to-threshold values, and odor character to evaluate odor sources and character and intensity.

Client: California Biomass (Victorville, CA)

Managed a field investigation of odor around landfill during 9+ events. Using hedonic tone, butanol scale, dilution-to-threshold values, and odor character to evaluate odor sources, character and intensity.

Client: ABT-Haskell (Redlands, California)

Assisted in permitting a compost facility that will be completely enclosed with a complex scrubbing system using acid scrubbers, base scrubbers, biofilters, heat exchangers and chlorine to reduce VOC emissions by 99 percent.

Client: Synagro (Corona, California)

Designed and monitored 30-foot by 20-foot by 6-foot biofilter for VOC control from an industrial composting facility in Corona, California, reducing VOC emissions by 99 percent.

Client: Jeff Gage, (Tacoma, Washington)

Conducted emission inventory at industrial compost facility using GC/MS analyses for VOCs. Evaluated effectiveness of VOC and odor control systems and estimated human health risk.

Client: Daishowa America (Port Angeles Mill, Washington)

Analyzed industrial paper sludge and ash for VOCs, heavy metals and nutrients to develop a land application program. Metals were compared to federal guidelines to determine maximum allowable land application rates.

Client: Jeff Gage (Puyallup Washington)

Measured effectiveness of biofilters at composting facility and ran EPA dispersion models to estimate traveling distance of odor and human health risk from exposure to volatile organics.

Surface Water, Groundwater, and Wastewater Investigation/Remediation

Client: Confidential (Downey, California)

Managed groundwater investigation to determine horizontal extent of 1,000 foot TCE plume associated with a metal finishing shop.

Client: Confidential (West Hollywood, California)

Designed soil vapor extraction system that is currently being installed for confidential client. Managed groundwater investigation to determine horizontal extent of TCE plume associated with dry cleaning.

Client: Synagro Technologies (Sacramento, California)

Managed groundwater investigation to determine if biosolids application impacted salinity and nutrient concentrations in groundwater.

Client: Navy Base Realignment and Closure Team (Treasure Island, California)

Assisted in the design and remediation of PCB, chlorinated solvent, hydrocarbon and lead contaminated groundwater and soil on Treasure Island. Negotiated screening levels with DTSC and Water Board. Assisted in the preparation of FSP/QAPP, RI/FS, and RAP documents and assisted in CEQA document preparation.

Client: Navy Base Realignment and Closure Team (MCAS Tustin, California)

Assisted in the design of groundwater monitoring systems for chlorinated solvents at Tustin MCAS. Contributed to the preparation of FS for groundwater treatment.

Client: MCP (Walnut, California)

Conducted forensic surface water and sediment sampling. Designed and conducted bench scale laboratory experiments. Demonstrated that metal and organic contaminants in storm water and sediment from landfill flooded and chemically compromised a polyurethane track.

Client: Mission Cleaning Facility (Salinas California)

Prepared a RAP and cost estimate for using an oxygen releasing compound (ORC) and molasses to oxidize diesel fuel in soil and groundwater at Mission Cleaning in Salinas.

Client: King County, Washingon

Established and monitored experimental plots at a US EPA Superfund Site in wetland and upland mine tailings contaminated with zinc and lead in Smelterville, Idaho. Used organic matter and pH adjustment for wetland remediation and erosion control.

Client: City of Redmond (Richmond, Washington)

Collected storm water from compost-amended and fertilized turf to measure nutrients in urban runoff. Evaluated effectiveness of organic matter-lined detention ponds on reduction of peak flow during storm events. Drafted compost amended landscape installation guidelines to promote storm water detention and nutrient runoff reduction.

Client: City of Seattle (Seattle, Washington)

Measured VOC emissions from Renton wastewater treatment plant in Washington. Ran GC/MS, dispersion models, and sensory panels to characterize, quantify, control and estimate risk from VOCs.

Client: Plumas County (Quincy, California)

Installed wetland to treat contaminated water containing 1% copper in an EPA Superfund site. Revegetated 10 acres of acidic and metal laden sand dunes resulting from hydraulic mining. Installed and monitored piezometers in wetland estimating metal loading.

Client: Adams Egg Farm (St. Kitts, West Indies)

Designed, constructed, and maintained 3 anaerobic digesters at Springfield Egg Farm, St. Kitts. Digesters treated chicken excrement before effluent discharged into sea. Chicken waste was converted into methane cooking gas.

Client: BLM (Kremmling Colorado)

Collected water samples for monitoring program along upper stretch of the Colorado River. Rafted along river, protecting water quality by digging and repairing latrines.

Soil Science and Restoration Projects

Client: Kinder Morgan (San Diego County California)

Designed and monitored the restoration of a 110-acre project on Camp Pendleton along a 26-mile pipeline. Managed crew of 20, planting coastal sage, riparian, wetland, native grassland, and marsh ecosystems. Negotiated with the CDFW concerning species planting list and success standards.

Client: NAVY BRAC (Orote Landfill, Guam)

Designed and monitored pilot landfill cap mimicking limestone forest. Measured different species' root-penetration into landfill cap. Plants were used to evapotranspirate water, reducing water leaching through soil profile.

Client: LA Sanitation District Puente Hills Landfill (Whittier, California)

Monitored success of upland and wetland mitigation at Puente Hills Landfill operated by Sanitation Districts of Los Angeles. Negotiated with the Army Corps of Engineers and CDFG to obtain an early sign-off.

Client: City of Escondido (Escondido California)

Designed, managed, installed, and monitored a 20-acre coastal sage scrub restoration project at Kit Carson Park, Escondido, California.

Client: Home Depot (Encinitas, California)

Designed, managed, installed and monitored a 15-acre coastal sage scrub and wetland restoration project at Home Depot in Encinitas, California.

Client: Alvarado Water Filtration Plant (San Diego, California)

Planned, installed and monitored 2-acre riparian and coastal sage scrub mitigation in San Diego California.

Client: Monsanto and James River Corporation (Clatskanie Oregon)

Served as a soil scientist on a 50,000-acre hybrid poplar farm. Worked on genetically engineering study of Poplar trees to see if glyphosate resistant poplar clones were economically viable.

Client: World Wildlife Fund (St. Kitts, West Indies)

Managed 2-year biodiversity study, quantifying and qualifying the various flora and fauna in St. Kitts' expanding volcanic rainforest. Collaborated with skilled botanists, ornithologists and herpetologists.

Publications

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Chollack, T. and **P. Rosenfeld.** 1998. Compost Amendment Handbook For Landscaping. Prepared for and distributed by the City of Redmond, Washington State.

P. Rosenfeld. 1992. The Mount Liamuiga Crater Trail. Heritage Magazine of St. Kitts, Vol. 3 No. 2.

P. Rosenfeld. 1993. High School Biogas Project to Prevent Deforestation On St. Kitts. Biomass Users Network, Vol. 7, No. 1, 1993.

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- P. Rosenfeld. 1992. British West Indies, St. Kitts. Surf Report, April issue.
- **P. Rosenfeld.** 1998. Characterization, Quantification, and Control of Odor Emissions From Biosolids Application To Forest Soil. Doctoral Thesis. University of Washington College of Forest Resources.
- **P. Rosenfeld.** 1994. Potential Utilization of Small Diameter Trees On Sierra County Public Land. Masters thesis reprinted by the Sierra County Economic Council. Sierra County, California.
- **P. Rosenfeld.** 1991. How to Build a Small Rural Anaerobic Digester & Uses Of Biogas In The First And Third World. Bachelors Thesis. University of California.

England Environmental Agency, 2002. Landfill Gas Control Technologies. Publishing Organization Environment Agency, Rio House, Waterside Drive, Aztec West, Almondsbury BRISTOL, BS32 4UD

Presentations

Sok, H.L.; Waller, C.C.; Feng, L.; Gonzalez, J.; Sutherland, A.J.; Wisdom-Stack, T.; Sahai, R.K.; Hesse, R.C.; **Rosenfeld, P.E.** "Atrazine: A Persistent Pesticide in Urban Drinking Water." Urban Environmental Pollution, Boston, MA, June 20-23, 2010.

Feng, L.; Gonzalez, J.; Sok, H.L.; Sutherland, A.J.; Waller, C.C.; Wisdom-Stack, T.; Sahai, R.K.; La, M.; Hesse, R.C.; Rosenfeld, P.E. "Bringing Environmental Justice to East St. Louis, Illinois." Urban Environmental Pollution, Boston, MA, June 20-23, 2010.

Rosenfeld, P.E. (2009) "Perfluoroctanoic Acid (PFOA) and Perfluoroactane Sulfonate (PFOS) Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States" Presentation at the 2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting, April 19-23, 2009. Tuscon, AZ.

Rosenfeld, P.E. (2009) "Cost to Filter Atrazine Contamination from Drinking Water in the United States" Contamination in Drinking Water From the Use of Aqueous Film Forming Foams (AFFF) at Airports in the United States" Presentation at the 2009 Ground Water Summit and 2009 Ground Water Protection Council Spring Meeting, April 19-23, 2009. Tuscon, AZ.

Rosenfeld, P. E. (2007) "Moss Point Community Exposure To Contaminants From A Releasing Facility" Platform Presentation at the 23rd Annual International Conferences on Soils Sediment and Water, October 15-18, 2007. University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (2007) "The Repeated Trespass of Tritium-Contaminated Water Into A Surrounding Community Form Repeated Waste Spills From A Nuclear Power Plant" Platform Presentation at the 23rd Annual International Conferences on Soils Sediment and Water, October 15-18, 2007. University of Massachusetts, Amherst MA.

Rosenfeld, P. E. (2007) "Somerville Community Exposure To Contaminants From Wood Treatment Facility Emissions" Poster Presentation at the 23rd Annual International Conferences on Soils Sediment and Water, October 15-18, 2007. University of Massachusetts, Amherst MA.

Rosenfeld P. E. "Production, Chemical Properties, Toxicology, & Treatment Case Studies of 1,2,3-Trichloropropane (TCP)" – Platform Presentation at the Association for Environmental Health and Sciences (AEHS) Annual Meeting, San Diego, CA, 3/2007

Rosenfeld P. E. "Blood and Attic Sampling for Dioxin/Furan, PAH, and Metal Exposure in Florala, Alabama" – Platform Presentation at the AEHS Annual Meeting, San Diego, CA, 3/2007

Hensley A.R., Scott, A., **Rosenfeld P.E.,** Clark, J.J.J. (2006) "Dioxin Containing Attic Dust And Human Blood Samples Collected Near A Former Wood Treatment Facility." APHA 134 Annual Meeting & Exposition, Boston Massachusetts. November 4 to 8th, 2006.

Paul Rosenfeld Ph.D. "Fate, Transport and Persistence of PFOA and Related Chemicals." Mealey's C8/PFOA Science, Risk & Litigation Conference" October 24, 25. The Rittenhouse Hotel, Philadelphia.

Paul Rosenfeld Ph.D. "Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, Toxicology and Remediation PEMA Emerging Contaminant Conference. September 19. Hilton Hotel, Irvine California.

Paul Rosenfeld Ph.D. "Fate, Transport, Toxicity, And Persistence of 1,2,3-TCP." PEMA Emerging Contaminant Conference. September 19. Hilton Hotel in Irvine, California.

Paul Rosenfeld Ph.D. "Fate, Transport and Persistence of PDBEs." Mealey's Groundwater Conference. September 26, 27. Ritz Carlton Hotel, Marina Del Ray, California.

Paul Rosenfeld Ph.D. "Fate, Transport and Persistence of PFOA and Related Chemicals." International Society of Environmental Forensics: Focus On Emerging Contaminants. June 7,8. Sheraton Oceanfront Hotel, Virginia Beach, Virginia.

Paul Rosenfeld Ph.D. "Rate Transport, Persistence and Toxicology of PFOA and Related Perfluorochemicals". 2005 National Groundwater Association Ground Water And Environmental Law Conference. July 21-22, 2005. Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld Ph.D. "Brominated Flame Retardants in Groundwater: Pathways to Human Ingestion, Toxicology and Remediation." 2005 National Groundwater Association Ground Water And Environmental Law Conference. July 21-22, 2005. Wyndham Baltimore Inner Harbor, Baltimore Maryland.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. and Rob Hesse R.G. Tert-butyl Alcohol Liability and Toxicology, A National Problem and Unquantified Liability. National Groundwater Association. Environmental Law Conference. May 5-6, 2004. Congress Plaza Hotel, Chicago Illinois.

Paul Rosenfeld, Ph.D., 2004. Perchlorate Toxicology. Presentation to a meeting of the American Groundwater Trust. March 7th, 2004. Pheonix Arizona.

Hagemann, M.F., **Paul Rosenfeld, Ph.D.** and Rob Hesse, 2004. Perchlorate Contamination of the Colorado River. Invited presentation to a meeting of tribal representatives, Parker, AZ.

Paul Rosenfeld, Ph.D. A National Damage Assessment Model For PCE and Dry Cleaners. Drycleaner Symposium. California Ground Water Association. Radison Hotel, Sacramento, California. April 7, 2004.

Paul Rosenfeld, Ph.D. and James Clark Ph.D. Understanding Historical Use, Chemical Properties, Toxicity and Regulatory Guidance of 1,4 Dioxane. National Groundwater Association. Southwest Focus Conference. Water Supply and Emerging Contaminants. February 20-21, 2003. Hyatt Regency Phoenix Arizona.

Paul Rosenfeld, Ph.D. Underground Storage Tank Litigation and Remediation. California CUPA Forum. Marriott Hotel. Anaheim California. February 6-7, 2003.

Paul Rosenfeld, Ph.D. Underground Storage Tank Litigation and Remediation. EPA Underground Storage Tank Roundtable. Sacramento California. October 23, 2002

Rosenfeld, P.E. and Suffet, M. 2002. Understanding Odor from Compost, Wastewater and Industrial Processes. Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association. Barcelona Spain. October 7-10.

Rosenfeld, P.E. and Suffet, M. 2002. Using High Carbon Wood Ash to Control Compost Odor. Sixth Annual Symposium On Off Flavors in the Aquatic Environment. International Water Association. Barcelona Spain. October 7-10.

Rosenfeld, P.E. and Grey, M. A. 2002. Biocycle Composting For Coastal Sage Restoration. Northwest Biosolids Management Association. Vancouver Washington. September 22-24.

Rosenfeld, P.E. and Grey, M. A. 2002. Soil Science Society Annual Conference. Indianapolis, Maryland. November 11-14.

Rosenfeld. P.E. 2000. Two stage biofilter for biosolids composting odor control. Water Environment Federation. Anaheim California. September 16, 2000.

Rosenfeld. P. E. 2000. Wood ash and biofilter control of compost odor. Biofest. October 16, 2000. Ocean Shores, California

Rosenfeld, P. E. 2000. Bioremediation Using Organic Soil Amendments. California Resource Recovery Association. Sacramento California.

Rosenfeld, P.E., C.L. Henry, R. Harrison. 1998. Oat and Grass Seed Germination and Nitrogen and Sulfur Emissions Following Biosolids Incorporation With High-Carbon Wood-Ash. Water Environment Federation 12th Annual Residuals and Biosolids Management Conference Proceedings. Bellevue Washington.

Rosenfeld, P.E., and C.L. Henry. 1999. An evaluation of ash incorporation with biosolids for odor reduction. Soil Science Society of America. Salt Lake City Utah.

Rosenfeld, P.E., C.L. Henry, R. Harrison. 1998. Comparison of Microbial Activity and Odor Emissions from Three Different Biosolids Applied to Forest Soil. Brown and Caldwell, Seattle Washington.

Rosenfeld, P.E., C.L. Henry. 1998. Characterization, Quantification, and Control of Odor Emissions from Biosolids Application To Forest Soil. Biofest Lake Chelan, Washington.

Rosenfeld, P.E., C.L. Henry, R. B. Harrison, and R. Dills. 1997. Comparison of Odor Emissions From Three Different Biosolids Applied to Forest Soil. Soil Science Society of America, Anaheim California.

Professional History

Soil Water Air Protection Enterprise (SWAPE); 2003 to present; Founding And Managing Partner

UCLA School of Public Health; 2007 to present; Lecturer (Asst Res)

UCLA School of Public Health; 2003 to 2006; Adjunct Professor

UCLA Environmental Science and Engineering Program; 2002-2004; Doctoral Intern Coordinator

UCLA Institute of the Environment, 2001-2002; Research Associate

Komex H₂O Science, 2001 to 2003; Senior Remediation Scientist

National Groundwater Association, 2002-2004; Lecturer

San Diego State University, 1999-2001; Adjunct Professor

Anteon Corp., San Diego, 2000-2001; Remediation Project Manager

Ogden (now Amec), San Diego, 2000-2000; Remediation Project Manager

Bechtel, San Diego, California, 1999 – 2000; Risk Assessor

King County, Seattle, 1996 – 1999; Scientist

James River Corp., Washington, 1995-96; Scientist

Big Creek Lumber, Davenport, California, 1995; Scientist

Plumas Corp., California and USFS, Tahoe 1993-1995; Scientist

Peace Corps and World Wildlife Fund, St. Kitts, West Indies, 1991-1993; Scientist

Bureau of Land Management, Kremmling Colorado 1990; Scientist

Teaching Experience

UCLA Department of Environmental Health (Summer 2003 through 2010) Teach Environmental Health Science 100 to students, including undergrad, medical doctors, public health professionals and nurses. Course focuses on the health effects of environmental contaminants.

National Ground Water Association, Successful Remediation Technologies. Custom Course In Sante Fe, New Mexico. May 21, 2002. Focused on fate and transport of fuel contaminants associated with underground storage tanks.

National Ground Water Association; Successful Remediation Technologies Course in Chicago Illinois. April 1, 2002. Focused on fate and transport of contaminants associated with Superfund and RCRA sites.

California Integrated Waste Management Board, April and May, 2001. Alternative Landfill Caps Seminar in San Diego, Ventura, and San Francisco. Focused on both prescriptive and innovative landfill cover design.

UCLA Department of Environmental Engineering, February 5 2002 Seminar on Successful Remediation Technologies focusing on Groundwater Remediation.

University Of Washington, Soil Science Program, Teaching Assistant for several courses including: Soil Chemistry, Organic Soil Amendments, and Soil Stability.

U.C. Berkeley, Environmental Science Program Teaching Assistant for Environmental Science 10.

Academic Grants Awarded

California Integrated Waste Management Board. \$41,000 grant awarded to UCLA Institute of the Environment. Goal: To investigate effect of high carbon wood ash on volatile organic emissions from compost. 2001.

Synagro Technologies, Corona California: \$10,000 grant awarded to San Diego State University. Goal: investigate effect of biosolids for restoration and remediation of degraded coastal sage soils. 2000.

King County, Department of Research and Technology, Washington State. \$100,000 grant awarded to University of Washington: Goal: To investigate odor emissions from biosolids application and the effect of polymers and ash on VOC emissions. 1998.

Northwest Biosolids Management Association, Washington State. \$20,000 grant awarded to investigate effect of polymers and ash on VOC emissions from biosolids. 1997.

James River Corporation, Oregon: \$10,000 grant was awarded to investigate the success of genetically engineered Poplar trees with resistance to round-up. 1996.

United State Forest Service, Tahoe National Forest: \$15,000 grant was awarded to investigating fire ecology of the Tahoe National Forest. 1995.

Kellogg Foundation, Washington D.C. \$500 grant was awarded to construct a large anaerobic digester on St. Kitts in West Indies. 1993.

Cases that Dr. Rosenfeld Provided Deposition or Trial Testimony

In the Court of Common Pleas for the Second Judicial Circuit, State of South Carolina, County of Aiken David Anderson, et al., *Plaintiffs*, vs. Norfolk Southern Corporation, et al., *Defendants*.

Case Number: 2007-CP-02-1584

In the Circuit Court of Jefferson County Alabama

Jaeanette Moss Anthony, et al., *Plaintiffs*, vs. Drummond Company Inc., et al., *Defendants* Civil action No. CV 2008-2076

In the Ninth Judicial District Court, Parish of Rapides, State of Louisiana

Roger Price, et al., *Plaintiffs*, vs. Roy O. Martin, L.P., et al., *Defendants*. Civil Suit Number 224,041 Division G

In the United States District Court, Western District Lafayette Division

Ackle et al., *Plaintiffs*, vs. Citgo Petroleum Corporation, et al., *Defendants*. Case Number 2:07CV1052

In the United States District Court for the Southern District of Ohio

Carolyn Baker, et al., *Plaintiffs*, vs. Chevron Oil Company, et al., *Defendants*. Case Number 1:05 CV 227

In the Fourth Judicial District Court, Parish of Calcasieu, State of Louisiana

Craig Steven Arabie, et al., *Plaintiffs*, vs. Citgo Petroleum Corporation, et al., *Defendants*. Case Number 07-2738 G

In the Fourteenth Judicial District Court, Parish of Calcasieu, State of Louisiana

Leon B. Brydels, *Plaintiffs*, vs. Conoco, Inc., et al., *Defendants*.

Case Number 2004-6941 Division A

In the District Court of Tarrant County, Texas, 153rd Judicial District

Linda Faust, *Plaintiff*, vs. Burlington Northern Santa Fe Rail Way Company, Witco Chemical Corporation A/K/A Witco Corporation, Solvents and Chemicals, Inc. and Koppers Industries, Inc., *Defendants*. Case Number 153-212928-05

In the Superior Court of the State of California in and for the County of San Bernardino

Leroy Allen, et al., *Plaintiffs*, vs. Nutro Products, Inc., a California Corporation and DOES 1 to 100, inclusive, *Defendants*.

John Loney, Plaintiff, vs. James H. Didion, Sr.; Nutro Products, Inc.; DOES 1 through 20, inclusive, *Defendants*.

Case Number VCVVS044671

In the United States District Court for the Middle District of Alabama, Northern Division

James K. Benefield, et al., *Plaintiffs*, vs. International Paper Company, *Defendant*. Civil Action Number 2:09-cv-232-WHA-TFM

In the Superior Court of the State of California in and for the County of Los Angeles

Leslie Hensley and Rick Hensley, *Plaintiffs*, vs. Peter T. Hoss, as trustee on behalf of the Cone Fee Trust; Plains Exploration & Production Company, a Delaware corporation; Rayne Water Conditioning, Inc., a

California corporation; and DOES 1 through 100, *Defendants*. Case Number SC094173

In the Superior Court of the State of California in and for the County of Santa Barbara, Santa Maria Branch Clifford and Shirley Adelhelm, et al., all individually, *Plaintiffs*, vs. Unocal Corporation, a Delaware Corporation; Union Oil Company of California, a California corporation; Chevron Corporation, a California corporation; ConocoPhillips, a Texas corporation; Kerr-McGee Corporation, an Oklahoma corporation; and DOES 1 though 100, *Defendants*.

Case Number 1229251 (Consolidated with case number 1231299)

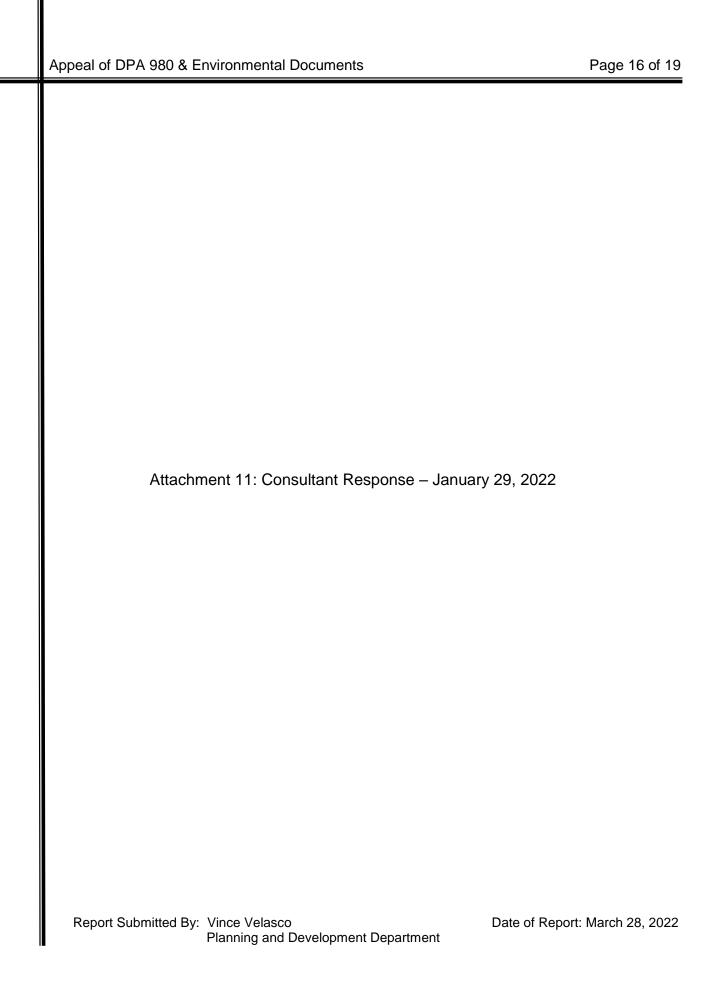
In the United States District Court for Eastern District of Arkansas, Eastern District of Arkansas
Harry Stephens Farms, Inc, and Harry Stephens, individual and as managing partner of Stephens
Partnership, *Plaintiffs*, vs. Helena Chemical Company, and Exxon Mobil Corp., successor to Mobil
Chemical Co., *Defendants*.

Case Number 2:06-CV-00166 JMM (Consolidated with case number 4:07CV00278 JMM)

In the United States District Court for the Western District of Arkansas, Texarkana Division Rhonda Brasel, et al., *Plaintiffs*, vs. Weyerhaeuser Company and DOES 1 through 100, *Defendants*. Civil Action Number 07-4037

In The Superior Court of the State of California County of Santa Cruz Constance Acevedo, et al. *Plaintiffs* Vs. California Spray Company, et al. *Defendants* Case No CV 146344

In the District Court of Texas 21st Judicial District of Burleson County
Dennis Davis, *Plaintiff*, vs. Burlington Northern Santa Fe Rail Way Company, *Defendant*.
Case Number 25,151



PLANNING • ENVIRONMENTAL ANALYSIS • ECONOMICS • MAPPING

January 29, 2022

Mr. Vince Velasco, Associate Planner City of Santa Fe Springs Planning Department 11710 Telegraph Road Santa Fe Springs, California 90670

Subject: Response to Comments on the Mitigated Negative Declaration for the proposed 11401 Greenstone Avenue Industrial Building.

Mr. Velasco

On behalf of *Blodgett Baylosis Environmental Planning (BBEP)*, I am submitting this memorandum outlining our responses to the comments received regarding the Initial Study and Mitigated Negative Declaration that was prepared for the proposed 11401 Greenstone Avenue industrial building. Two separate comment letters were received and are included in this response to comment package. The first comment letter dated July 12, 2021, was responded to and that letter and response were part of the packet provided to the City Council on August 17, 2021. The second letter, which raises many issues contained in the first letter, was submitted to the City's Community Development Department and City Council on August 16, 2021.

Comment 1 Introduction

I am writing on behalf of Supporters Alliance for Environmental Responsibility ("SAFER") regarding the proposed development of a 144,434 square foot concrete tilt-up industrial building at 11401 Greenstone Avenue in Santa Fe Springs (DPA 980), proposed by applicant CEG Construction ("Project"). The City of Santa Fe Springs ("City") has prepared a mitigated negative declaration ("MND") for the Project. We request that the City prepare an environmental impact report ("EIR") for the Project because there is a fair argument that the Project may have adverse environmental impacts. We have timely appealed the decision of the Planning Commission to approve the Project and the MND.

Response 1

While we do not agree with the conclusions outlined in the above comment, it has been noted for the record.

Comment 2 Reliance on SWAPE

These comments are supported by the comments of the expert consulting firm, Soil Water Air Protection Enterprise ("SWAPE"), authored by Dr. Paul Rosenfeld, Ph.D. and Matthew Hagemann, C. Hg. (Exhibit 1). We incorporate the SWAPE comments herein by reference. As explained below and in the SWAPE comments, there is a fair argument that the proposed Project may have significant adverse environmental impacts, and an environmental impact report ("EIR") is therefore required. SWAPE demonstrates that the MND relies on improper and unsubstantiated input parameters for its air quality analysis which result in a significant underestimation of the Project's air impacts. SWAPE also concludes that the Project will create significant cancer risks exceeding CEQA significance thresholds of the South Coast Air Quality Management District ("SCAQMD"). SWAPE further concludes that the MND contains a patently inadequate energy impact analysis that fails to comply with the requirements of CEQA. As such, there is a fair argument that the Project may have adverse environmental impacts and an EIR is required to analyze and mitigate the Project's impacts.

Response 2

Each of these issues are addressed below.

Comment 3 Public Notice

Failure to Provide Notice. On April 1, 2021, SAFER sent a written notice request letter requesting notice of any document released pursuant to the California Environmental Quality Act ("CEQA"), including any MND, EIR or CEQA exemption. (Exhibit A). The April 2 request was filed pursuant to Public Resources Code Sections 21092.2 and 21167(f), and Government Code Section 65092, which require local agencies to mail such notices to any person who has filed a written request for them with the clerk of the agency's governing body. The City released an MND for the Project on May 21, 2021, but the City failed to provide us with notice of the MND. As a result, we were denied our right to have at least 20-days to review and comments on theMND. The City's staff report includes a report from Blodgett Baylosis Environmental Planning ("BBEP"). BBEP admits that the City failed to provide written notice of the MND to SAFER, but instead merely posted a notice of intent to adopt the MND with the Los Angeles County Clerk. Thus, BBEP admits that the City violated the clear mandates of CEQA. CEQA requires the City of provide written notices to entities that request notice pursuant to Section 21092.2. Simply posting notice with the County Clerk does not satisfy this mandatory duty. SAFER intends to seek a writ of mandate requiring the City to comply with this mandatory duty.

Response 3

Although notice was inadvertently not provided, SAFER has been provided time to review the document and the City has considered all issues raised in the appeal, regardless of whether they were raised during the public review period.

Comment/Response 4 Legal Standard

This portion of the letter will not be quoted in full as it simply provides excerpts from case law regarding CEQA analysis and does not require a response.

Comment 5 Energy Analysis

SWAPE concludes that the MND contains a patently inadequate energy analysis (SWAPE, 15-18). SWAPE points out that there are numerous mitigation measures that are feasible to reduce the Project's impacts that should be considered in an EIR. The MND devoted less than two pages to its energy analysis. (MND, pp. 44-45.) The MND relies on the Project's compliance with Title 24 regulations to conclude that the impact is less than significant. However, compliance with existing standards does not provide substantial evidence that the Project's energy impacts are less than significant.

The standard under CEQA is whether the Project would result in wasteful, inefficient, or unnecessary consumption of energy resources. Failing to undertake "an investigation into renewable energy options that might be available or appropriate for a project" violates CEQA. (California Clean Energy Committee v. City of Woodland (2014) 225 Cal.App.4th 173, 213.) Energy conservation under CEQA is defined as the "wise and efficient use of energy." (CEQA Guidelines, app. F, § I.) The "wise and efficient use of energy" is achieved by "(1) decreasing overall per capita energy consumption, (2) decreasing reliance on fossil fuels such as coal, natural gas and oil, and (3) increasing reliance on renewable energy resources." (Id.) Simply requiring compliance with the California Building Energy Efficiency Standards (Cal.Code Regs., tit. 24, part 6 (Title 24) does not constitute an adequate analysis of energy. (Ukiah Citizens for Safety First v. City of Ukiah (2016) 248 Cal.App.4th 256, 264-65 (Ukiah

Citizens).) Similarly, the court in City of Woodland held unlawful an energy analysis that relied on compliance with Title 24, that failed to assess transportation energy impacts, and that failed to address renewable energy impacts. (City of Woodland, supra, 225 Cal.App.4th at pp. 209-13.) As such, the MND's reliance on Title 24 compliance does not satisfy the requirements for an adequate discussion of the Project's energy impacts.

BBEP admits that the MND merely relies on compliance with Title 24 for energy compliance but contends that this is sufficient analysis under CEQA. (BBEP 5). First, the BBEP letter is unsigned. Therefore, there is no expert or any person with any credentials making the statements in the BBEP letter. It is unclear whether the author of the BBEP letter has any qualifications whatsoever relevant to the statements made in the letter. As such the BBEP letter lacks any credibility and does not constitute substantial evidence. (Citizens' Com. to Save Our Vill. v. City of Claremont, 37 Cal. App. 4th 1157, 1171, 44 Cal. Rptr. 2d 288 (1995)). Second the BBEP letter patently misstates the law. This is not surprising since BBEP appears not to be a law firm or entity qualified to provide legal advice.

The MND summarily concludes that the Project would not result in the inefficient, wasteful and unnecessary consumption of energy. There is no discussion of the Project's cost effectiveness in terms of energy requirements. There is no discussion of energy consuming equipment and processes that will be used during the construction or operation of the Project, including the energy necessary to power construction equipment, forklifts, heating, cooling, truck refrigeration units, etc. The Project's energy use efficiencies by amount and fuel type for each stage of the project including construction, operation, and maintenance were not identified. The effect of the Project on peak and base period demands for electricity has not been addressed. As such, the MND's conclusions are unsupported by the necessary discussions of the Project's energy impacts under CEQA.

Response 5

The project site is served by Southern California Edison (electricity) and the Southern California Gas Company (SCG). The IS/MND indicates the proposed project is anticipated to consume 1,899 kWH of electricity and 1,860 cubic feet of natural gas on a daily basis. The Title 24, Building Standards Code, California Energy Code and California Green Building standards would be applicable to the project. Adherence to Title 24 would reduce potential impacts to less than significant level. The proposed project's construction and operation would not be unique in terms of the manner in which energy would be consumed.

The CalEEMod computer analysis calculated worker trips, construction equipment, energy consumption, and a wide range of other impacts analysis directly related to energy consumption. The electricity energy use was calculated in units of kilowatt hours (kWh) per square foot of floor area on an annual basis. Natural gas use was calculated in units of a thousand British Thermal Units (KBTU) per square foot of floor area on an annual basis. For electricity, Title 24 uses include the major building envelope systems covered by Part 6 (California Energy Code) of Title 24 such as space heating, space cooling, water heating, and ventilation. Non-Title 24 uses include all other end uses, such as appliances, electronics, and other miscellaneous plug-in uses. Because some lighting is not considered as part of the building envelope's energy budget, and CalEEMod makes lighting a separate category, this category of lighting is considered Non-title 24 uses. For natural gas, uses are likewise categorized as Title 24 or Non-Title 24, with Title 24 uses including building heating and hot water end uses. Non-Title 24 natural gas uses include other miscellaneous equipment (heaters). The model results indicated the proposed project would have the following consumption rates of electricity and natural gas:

- Title 24 Electrical Consumption would be 2.01 KWh per square foot per year.
- Non-Title 24 Electrical Consumption would 5.75 KWh per square foot per year.

- Electrical Consumption related to lighting would be 3.1 KWh per square foot per year.
- Title 24 Electrical Consumption would be 13.51 KBTU per square foot per year.
- Non-Title 24 Electrical Consumption would 4.45 KBTU per square foot per year.

Finally, the City is a partner in the HERO program, which is a Property Assessed Clean Energy (PACE) program that assists both government and businesses to finance energy-efficient improvements and upgrades. The program is a loan financial option which is financed through property tax. The projects that are eligible include solar energy systems, central air conditioning, cool roofing, energy efficient windows and doors, water heaters, and more.

Mitigation measures are not required if significant adverse impacts are not identified. SWAPE has not provided evidence that there may be an impact.

Comment 6 Need for an Environmental Impact Report

The IS/MND used the California Emissions Estimator Model Version CalEEMod.2020.4.0 ("CalEEMod") to calculate emissions from the Project. However, SWAPE concludes that several of the assumptions used, and values input into CalEEMod were inconsistent with both information disclosed in the IS/MND as well as recommended procedures and values set forth by the South Coast Air Quality Management District ("SCAQMD"). Had the Project's emissions been calculated using the correct parameters, the Project would have a potentially significant impact on air quality. As such, the Project's air quality impacts have not been properly analyzed and mitigated. Accordingly, the following points constitute substantial evidence that support a fair argument that the IS/MND failed to properly calculate the Project's emissions and that the Project will thus have significant unmitigated impacts. (SWAPE 3).

Response 6

These issues will be addressed below.

Comment 7 Air Quality Analysis, Refrigeration

The IS/MND significantly underestimated the Project's operational emissions by assuming that all warehouses at the Project will be unrefrigerated. The CalEEMod calculations were premised entirely on the notion that the proposed industrial building was modeled as an unrefrigerated warehouse. (IS/MND 14.) However, the IS/MND is clear that the future tenant of the industrial building is not currently known. (IS. 19). The CalEEMod output files demonstrate that the model fails to include any refrigerated warehouse space. (IS/MND 107).

SCAQMD requires the use of a conservative air quality impact analysis to afford the fullest possible protection of the environment. As discussed by the South Coast Air Quality Management District (SCAQMD), "CEQA requires the use of 'conservative analyses to afford 'fullest possible protection of the environment." In this case, a conservative analysis would dictate modeling the proposed warehouse as either entirely or partially refrigerated. SWAPE's letter explains that refrigerated warehouses release more air pollutants and greenhouse gas ("GHG") emissions when compared to unrefrigerated warehouses. Thus, by failing to include refrigerated warehouses a potential land use in the CalEEMod calculations, the Project's operational emissions may be substantially underestimated, and would thus likely result in a significant impact on regional air quality. This constitutes substantial evidence that an EIR should be prepared to evaluate the impacts of the Project's operational emissions and to mitigate those impacts.

Response 7

The proposed project, as described in the IS/MND, was the project that was analyzed in the air quality analysis. The proposed project would involve the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. The mezzanine would total 6,958 square feet and would include 2,940 square feet of office and 4,018 square feet of storage. Of the total building floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. The IS/MND clearly indicates (refer to Section 2.4.2) the specific business and/or tenant(s) that would ultimately occupy the proposed building are not known at this time. Any prospective use must be either permitted by right or conditionally permitted under the City of Santa Fe Springs Zoning Ordinance.

On December 3, 2010, the South Coast AQMD adopted Rule 1415.1 to control emissions of high-global warming potential (GWP) refrigerants used in stationary, non-residential refrigeration systems. With the adoption of Rule 1415.1, refrigeration systems with a full charge capacity of greater than 50 pounds of high-GWP refrigerants are now regulated solely under the new rule. Such systems are typically used in supermarkets, cold storage warehouses, food processing plants, and process cooling operations. Rule 1415.1 is equivalent to the Refrigerant Management Program (RMP), a statewide regulation adopted by the California Air Resources Board (CARB) to reduce emissions of high-GWP gases from stationary refrigeration systems. The RMP took effect January 1, 2011. However, the current design reflects a conventional high cube warehouse rather than a cold storage facility.

In response to the comment, the CalEEMod was used to estimate the stationary and mobile emissions if the proposed building was a refrigerated warehouse. As indicated in the Table below, there is a difference between a non-refrigerated warehouse and industrial use with the floor area of the proposed project. Under any of the scenarios, the emissions would still below the daily thresholds.

Estimated Operational Emissions in lbs/day

Emission Source	ROG	NO ₂	CO	SO ₂	PM ₁₀	PM _{2.5}
Heavy Industrial	6.55	5.18	36.9	0.08	8.76	2.41
Unrefrigerated Warehouse	4.07	0.97	9.18	0.02	2.29	0.62
Refrigerated Project Total	4.28	1.26	11.69	0.03	2.79	0.76
Daily Thresholds	55	55	550	150	150	55

Source: CalEEMod V.2020.4.0.

Comment 8 Air Quality Analysis, Parking

The Project proposes to include 205 parking spaces and 16 truck doors. (IS/MND 15, Table 2-1). However, the CalEEMod output files show that the models fail to include any parking whatsoever. (IS/MND, App. A, p. 107). Thus, the model clearly underestimates overall Project emissions. (SWAPE 5-6).

Response 8

The project's parking area is ancillary to the facility's operation. The mobile emissions that would be generated by patrons and employees travelling to the facility once it is operational and these vehicle trips would use the parking lot. The parking lot would not generate the trips by itself. The CalEEMod computer model only calculates the mobile emissions associated with the employee and truck traffic that would be generated by the proposed use. The modelling assumption relied on the traffic generation rate derived from data obtained from the Institute of Transportation Engineers (ITE). The independent variable used to calculate this traffic generation data is the land use and the floor

area. The parking lots would only be used in the model if they would result in trips that were independent of the primary use.

Comment 9 Air Quality Analysis, Demolition

The Project includes the demolition of an existing office and maintenance building. (MND 12). Demolition involves activities including haul trips for demolition debris. The CalEEMod output files show zero emissions from haul trips. (IS/MND, App. A, p. 112; SWAPE 6). SWAPE concludes that the MND fails to include emissions from haul trips, dust generated during demolition, exhaust emissions from trucks and other emissions. As such, the overall Project emissions are clearly underestimated. (SWAPE 6-7).

Response 9

The emissions related to demolition are identified in Table 3-1 of the IS/MND. The IS/MND calculated the daily demolition emissions to be as follows: 3.23 pounds per day of reactive organic gasses, 25.76 pounds per day of NOx, 20.38 pounds per day of CO, a negligible amount of sulfur dioxide, and just under 3 pounds per day of particulates. The operator of the model did not adjust the default values in the model to take into account the estimated number of haul trips. While the trip length of 20 miles remained unchanged, the model now assumes a total of 20 daily haul trips. The resulting calculations yielded the following results: 2.64 pounds per day of reactive organic gasses, 25.72 pounds per day of NOx, 20.59 pounds per day of CO, a negligible amount of sulfur dioxide, and just under 1.24 pounds per day of particulates.

Comment 10 Air Quality Analysis

The MND's CaleEMod output files show that unsubstantiated changes have been made to the default construction schedule, which result in a reduction in Project emissions. The MND itself states that construction will take approximately nine months to complete. However, the CaleEMod model assumed an 11-month construction schedule. (IS/MND, App. A, p. 111; SWAPE 7.) SWAPE explains that by spreading out construction emissions over a longer period of time, the MND improperly minimized daily construction emissions. (SWAPE 8)

Response 10

The comment is correct in that the entire construction period should have been 9 months. The table below illustrates the construction emissions assuming a 9-month construction schedule. In addition, the model assumed 20 haul trucks would be on-site daily to remove the demolition debris. Even when adjusting (shortening) the construction period, the resulting emissions would still be well below SCAQMD daily thresholds.

Estimated Daily Construction Emissions for Nine Month Schedule

Construction Phase	ROG	NOx	со	SO ₂	PM ₁₀	PM _{2.5}
Demolition (on-site)	2.64	25.72	20.6	0.04	1.24	1.15
Demolition (off-site)	0.06	0.22	0.61		0.19	0.05
Total Demolition	2.70	25.94	21.21	0.04	1.43	1.20
Site Preparation (on-site)	3.17	33.08	19.7	0.04	21.27	11.59
Site Preparation (off-site)	0.08	0.69	0.84		0.28	0.08
Total Site Preparation	3.25	33. 77	20.54	0.04	21.55	11.67
Grading (on-site)	1.95	20.86	15.27	0.03	8.02	4.29
Grading (off-site)	0.06	0.44	0.66		0.22	0.60
Total Grading	2.01	21.3	15.93	0.03	8.24	4.89
Building Construction (on-site)	1.71	15.62	16.36	0.03	0.81	0.76

Building Construction (off-site)	0.25	1.29	2.69	0.01	0.85	0.24
Total Building Construction	1.96	16.91	19.05	0.04	1.66	1.00
Paving (on-site)	0.98	9.52	12.2	0.02	0.49	0.45
Paving (off-site)	0.07	0.19	0.76		0.22	0.06
Total Paving	1.05	9.71	12.96	0.02	0.71	0.51
Architectural Coatings (on-site)	39.48	1.41	1.81		0.08	0.08
Architectural Coatings (off-site)	0.04	0.22	0.50		0.16	0.04
Total Architectural Coatings	39.52	1.63	2.31		0.24	0.12
Maximum Daily Emissions	39.52*	33. 77	21.21	0.04	21.55	11.67
Daily Thresholds	75	100	550	150	150	55

^{*}Assumes the use of low VOC containing paint products as required by the SCAQMD.

Source: CalEEMod V.2020.4.0.

Comment 11 Air Quality Analysis, Grading

SWAPE concludes that the CalEEMod model improperly reduced the amount of grading for the Project, resulting in an unsubstantiated reduction in emissions. The CalEEMod grading values were reduced from 15 to 8 acres for the grading phase and from 22.5 to 7.5 acres for the paving phase. This result in a significant underestimation of Project emissions without proper justification.

Response 11

The entire site is 6.63 acres in area. As indicated in the IS/MND the site is relatively level and, as a result, the amount of grading would be limited. When taking into account the site's land area, the model's values referenced in the above comment overstated the potential emissions.

Comment 12 Air Quality Analysis, Excavation Emissions

The Los Angeles Regional Water Quality Control Board has issued a Remedial Action Plan that requires excavation of 3,300 cubic ward of contaminated soil from the Project site. Therefore, the CalEEMod model should include emissions from excavation and hauling of 3,300 cubic yards of soil. However, the air quality analysis fails to include any emissions whatsoever from excavation. As such, the MND underestimates overall Project emissions.

Response 12

The comment cites the latest correspondence from the Los Angeles Regional Water Quality Control Board (LARQCB) dated June 1, 2021 (the IS/MND is dated May 25, 2021). The letter provides "conditional approval of [the] Remedial Action Plan (RAP) addendum. The site's remediation is ongoing and would be required to continue whether or not the proposed project is implemented. The "Addendum" identified the site's recent sale and the future warehouse use. The approval of the RAP would be required to be implemented regardless of whether the proposed project moved forward.

The specific information contained in the RAP Addendum was not available at the time the IS/MND was circulated. However, assuming that the 3,300 cubic yards of material will require removal, an estimated 165 truck trips will be required, and each haul truck will have a capacity of 20 cubic yards per truck. Assuming that these 165 trucks travel 20 miles per trip end, the total VMT associated with these haul trips will be 3,300 miles. The resulting calculations yielded the following results: 3.17 pounds per day of reactive organic gasses, 33.08 pounds per day of NOx, 19.7 pounds per day of CO, a negligible amount of sulfur dioxide, and just under 21.27 pounds per day of particulates. As indicated on the table provided on the following page, even when adding the additional haul route and grading

emissions associated with the removal of the 3,300 cubic yards of contaminated earth, the resulting emissions would still be well below SCAQMD daily thresholds.

Estimated Daily Grading Emissions Plus Emissions Related to Removal of 3,300 CY of Contaminated Soil

0-0,000 - 0-00-000 - 0-00-000							
Construction Phase	ROG	NOx	co	SO ₂	PM ₁₀	PM _{2.5}	
Grading (on-site)	1.95	20.86	15.27	0.03	8.02	4.29	
Grading (off-site)	0.06	0.44	0.66		0.22	0.60	
Removal of Contaminated Soil	3.17	33.08	19.70		13.82	7.22	
Original Total Grading	2.01	21.3	15.93	0.03	8.24	4.89	
Revised Total Grading	5.18	54.38	35.63	0.03	22.06	12.11	
Daily Thresholds	75	100	550	150	150	55	

Source: CalEEMod V.2020.4.0.

Comment 13 Reliance on Fontana Trip Generation Study

The IS/MND relies upon an artificially low truck trip rate and truck fleet mix percentage to model the Project's operational emissions, and as a result the Project's mobile-source emissions are greatly underestimated. The IS/MND's Traffic Impact Analysis and AQ/GHG Assessment rely on the August 2003 City of Fontana Truck Trip Generation Study ("Fontana Study"), to determine the number of passenger car and heavy-duty truck trips the Project will generate during operation.(SWAPE 2). The SCAQMD has advised against reliance on the Fontana Study. According to SCAQMD Staff, the Fontana Study has limited applicability. As a result, the Fontana Study should not be relied upon to determine the Project's mobile-source emissions. According to SCAQMD staff, the "Fontana Study, by itself, is not characteristic of warehouses." Furthermore, SCAQMD staff finds the following additional issues with the Fontana Study:

The overall trip rate is based on only four warehouses total, which includes two warehouses with zeros. In
other words, the results of the Fontana Study were based on only two data points. As is disclosed in the
Fontana Study, the daily trip rate was only based on data from a Target warehouse and a TAB warehouse.
The Fontana Study does not report any 24-hour daily truck trip rates. According to the Fontana Study, "Trip
generation statistics for daily truck trips were not calculated because vehicle classifications counts could not
be obtained from the driveway 24-hour counts."
The trip rates using the Fontana study are calculated based on a 20 percent truck fleet mix, which is
inconsistent with SCAOMD's recommendation that agencies use a truck fleet mix of 40%.

Due to these reasons, SCAQMD recommends that Project Applicants either "use ITE default values until Governing Board action" (Option 1) or refer to the flow chart set forth in the SWAPE comments at page 6 (Option 2). 7 Thus, the IS/MND's improper reliance on the Fontana Study misrepresented the actual air quality impacts of the Project. An EIR should be prepared that adequately assesses and mitigates these impacts.

Response 13

The traffic impact analysis (TIA) included in the IS/MND did refer to the Fontana Traffic Study but only to derive Passenger Car Equivalent (PCE) rates to more accurately account for traffic. Trip generation rates and the CalEEMod computer program used in the preparation of the IS/MND were based on the ITE Trip Generation Manual. The modelling assumptions relied on the traffic generation rate derived from data obtained from the Institute of Transportation Engineers (ITE). The independent variable used to calculate this traffic generation data is the land use and the floor area. The fleet mix that was assumed was derived from the CalEEMod default values that reflected the ITE data. SWAPE is therefore incorrect in its statement that an artificially low truck trip rate was used.

Comment 14. Need for Health Risk Assessment

The IS/MND includes no health risk assessment ("HRA"). SWAPE has prepared a detailed HRA concluding that the Project will create significant cancer risks from diesel particulate matter ("DPM") from emissions of trucks and construction equipment. The Supreme Court has held that a CEQA document must analyze the human health risks of a proposed Project. (Sierra Club v. Co. of Fresno, 6 Cal. 5th 502, 518, 431 P.3d 1151, 1163 (2018)). SWAPE prepared a health risk assessment which demonstrates that construction related DPM emissions from the Project exceed applicable CEQA significance thresholds. SWAPE concludes:

As demonstrated in the table above, the excess cancer risk to adults, children, infants, and during the 3rd trimester of pregnancy at the MEIR located approximately 300 meters away, over the course of Project construction and operation, utilizing ASFs, are approximately 0.28, 2.6, 8.0, and 1.2 in one million, respectively. We estimate an excess cancer risk of approximately 12 in one million over the course of a residential lifetime (30 years), utilizing ASFs. The infant, child, and lifetime cancer risks exceed the SCAQMD threshold of 10 in one million, thus resulting in a potentially significant impact not previously addressed or identified by the IS/MND. (SWAPE, p. 14).

Mr. Hagemann's analysis provides substantial evidence supporting a fair argument that construction emissions from the Project may have significant impacts on human health and the environment. Accordingly, the City must prepare an EIR to analyze these impacts and evaluate potential mitigation measures to address the impacts.

Response 14

The sensitive receptor identified in the IS/MND and the HRA is no longer occupied in its entirety. The Cedar Street Homes are located more than 1,353 feet from the project site's westernmost perimeter. This facility is separated from the project site by a number of existing industrial uses that are located along the east side of Bloomfield Avenue, Bloomfield Avenue itself, and the yard area of the former Norwalk Metropolitan State Hospital.

Because the project site is located in Southern California, the majority (if not all) of the diesel trucks travelling to and from the site will be employing clean diesel technology to reduce diesel particulates. The U.S. trucking fleet is transitioning to newer clean diesel technology which translates into fuel savings, lower greenhouse gas emissions and a reduction in diesel particulate emissions. This newest generation of clean diesel trucks will have NOx emissions that are 99 percent lower than previous generations of larger trucks along with 98 percent fewer diesel particulate emissions, resulting in significant clean air benefits. Beginning in 2011, all heavy-duty diesel trucks sold had to meet NOx emissions of no more than 0.20 grams per brake horsepower hour (g/BHP-hr.). This is in addition to particulate emissions levels of no more than 0.01 g/HP-hr. established in 2007. The new more restrictive emissions requirements, together with the SCAQMD's regulations limiting truck idling times to 5 minutes will further reduce DPM emissions. The EMFAC modelling did not utilize these new requirements. Finally, the modelling used to calculate the DPM emissions assumed the equipment (trucks and other equipment) would be operational onsite, 24-hours a day. This is simply not the case. In addition to having much lower emissions, the trucks are not permitted to idle onsite (this is a SCAQMD regulation).

Potential truck drivers visiting the site (construction and deliveries) must adhere to Title 13 - §2485 of the California Code of Regulations, which limits the idling of diesel-powered vehicles to less than five minutes. Adherence to the requirement will minimize odor impacts from diesel trucks. In addition, the proposed project's construction contractors must adhere to SCAQMD Rule 403 regulations, which significantly reduce the generation of fugitive dust. Adherence to Rule 403 Regulations and Title 13 - §2485 of the California Code of Regulations will further reduce emissions of fugitive dust.

In August 2002, the SCAQMD's Mobile Source Committee approved the "Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Emissions." This guidance document provided direction for analyzing cancer risks from diesel particulate matter from mobile sources at facilities such as truck stops and warehouse distribution centers. Subsequently, SCAQMD staff revised the aforementioned guidance document to expand the analysis to provide direction for analyzing cancer risks from potential diesel particulate emissions impacts from truck idling and movement from trucking facilities. A revised guidance document titled, "Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis" was presented to and approved by the SCAQMD's Mobile Source Committee at its March 28, 2003, committee meeting. The information below is necessary to Calculate Diesel Particulate Emissions (DPM) from Truck Idling and Movement.

- 1. Number of trucks travelling to the facility per day; and,
- 2. The composite DPM emissions factors in grams per mile based on project year and average vehicle; and,
- 3. Travel distance on local streets (in miles); and,
- 4. On site truck travel distance per day (in miles), and,
- 5. Average idling time per truck; and,
- 6. The composite emissions factors in grams per minute per idling truck.

None of the above variables were considered in the aforementioned HRA screening. The use of the older EMFAC emissions assumptions, together with the misidentification of sensitive receptors in the area, misrepresent the proposed project's potential health risk from DPM emissions. As indicated previously, the sensitive receptor identified HRA is no longer occupied in its entirety. The Cedar Street Homes is located more than 1,353 feet from the project site's westernmost perimeter. This facility is separated from the project site by a number of existing industrial uses that are located along the east side of Bloomfield Avenue. Finally, because the project site is located in Southern California, the majority (if not all) of the diesel trucks travelling to and from the site will be employing clean diesel technology to reduce diesel particulates.

Comment 15 Need for Mitigation

SWAPE points out that there are dozens of feasible mitigation measures that have been imposed on other similar projects that should be required for the Project. However, since an MND was prepared rather than an EIR, these mitigation measures were not imposed. An EIR should be prepared to analyze all feasible mitigation measures to reduce the Project's significant impacts. One of the fundamental purposes of CEQA is to ensure that all feasible mitigation measures are imposed to reduce Project impacts. CEQA requires public agencies to avoid or reduce environmental damage when "feasible" by requiring "environmentally superior" alternatives and mitigation measures. (CEQA Guidelines § 15002(a)(2) and (3); See also, Berkeley Jets, 91 Cal. App. 4th 1344, 1354; Citizens of Goleta Valley v. Board of Supervisors (1990) 52 Cal.3d 553, 564) The EIR serves to provide agencies and the public with information about the environmental impacts of a proposed project and to "identify ways that environmental damage can be avoided or significantly reduced." (Guidelines §15002(a)(2)) If the project will have a significant effect on the environment, the agency may approve the project only if it finds that it has "eliminated or substantially lessened all significant effects on the environment where feasible" and that any unavoidable significant effects on the environment are "acceptable due to overriding concerns." (Pub.Res.Code § 21081; 14 Cal.Code Regs. § 15092(b)(2)(A) & (B))

In general, mitigation measures must be designed to minimize, reduce or avoid an identified environmental impact or to rectify or compensate for that impact. (CEQA Guidelines \S 15370.) Where several mitigation measures are available to mitigate an impact, each should be discussed and the basis for selecting a particular measure should be identified. (Id. at \S 15126.4(a)(1)(B).) A lead agency may not make the required CEQA findings unless the administrative record clearly shows that all uncertainties regarding the mitigation of significant environmental impacts have been resolved. CEQA requires the lead agency to adopt feasible mitigation measures that will

substantially lessen or avoid the Project's potentially significant environmental impacts (Pub. Res. Code §§ 21002, 21081(a)), and describe those mitigation measures in the CEQA document. (Pub. Res. Code § 21100(b)(3); CEQA Guidelines § 15126.4.) A public agency may not rely on mitigation measures of uncertain efficacy or feasibility. (Kings County Farm Bureau v. City of Hanford (1990) 221 Cal.App.3d 692, 727 (finding groundwater purchase agreement inadequate mitigation measure because no record evidence existed that replacement water was available).) "Feasible" means capable of being accomplished in a successful manner within a reasonable period of time, taking into account economic, environmental, legal, social, and technological factors. (CEQA Guidelines § 15364.) Mitigation measures must be fully enforceable through permit conditions, agreements, or other legally binding instruments. (Id. at § 15126.4(a)(2).)

A lead agency may not conclude that an impact is significant and unavoidable without requiring the implementation of all feasible mitigation measures to reduce the impacts of a project to less than significant levels. (CEQA Guidelines §§ 15126.4, 15091.). SWAPE concludes that the following mitigation measures should be considered in an EIR:

	Requiring off-road construction equipment to be zero-emission, where available, and all diesel-fueled off-road construction equipment, to be equipped with CARB Tier IV-compliant engines or better, and including this requirement in applicable bid documents, purchase orders, and contracts, with successful contractors
	demonstrating the ability to supply the compliant construction equipment for use prior to any ground-disturbing and construction activities.
	Prohibiting off-road diesel-powered equipment from being in the "on" position for more than 10 hours per day.
	Requiring on-road heavy-duty haul trucks to be model year 2010 or newer if diesel-fueled. Providing electrical hook ups to the power grid, rather than use of diesel-fueled generators, for electric construction tools, such as saws, drills and compressors, and using electric tools whenever feasible.
	Limiting the amount of daily grading disturbance area.
	Prohibiting grading on days with an Air Quality Index forecast of greater than 100 for particulates or ozone for the project area.
	Forbidding idling of heavy equipment for more than two minutes.
	Keeping onsite and furnishing to the lead agency or other regulators upon request, all equipment
_	maintenance records and data sheets, including design specifications and emission control tier classifications.
	Conducting an on-site inspection to verify compliance with construction mitigation and to identify other opportunities to further reduce construction impacts.
	Using paints, architectural coatings, and industrial maintenance coatings that have volatile organic compound levels of less than 10 g/L .
	Providing information on transit and ridesharing programs and services to construction employees.
	Providing meal options onsite or shuttles between the facility and nearby meal destinations for construction employees.
	Requiring that all facility-owned and operated fleet equipment with a gross vehicle weight rating greater than 14,000 pounds accessing the site meet or exceed 2010 model-year emissions equivalent engine
	standards as currently defined in California Code of Regulations Title 13, Division 3, Chapter 1, Article 4.5,
	Section 2025. Facility operators shall maintain records on-site demonstrating compliance with this requirement and shall make records available for inspection by the local jurisdiction, air district, and state upon request.
	Requiring all heavy-duty vehicles entering or operated on the project site to be zero-emission beginning in 2030.
	Requiring on-site equipment, such as forklifts and yard trucks, to be electric with the necessary electrical charging stations provided.

	Requiring tenants to use zero-emission light- and medium-duty vehicles as part of business operations.
	Forbidding trucks from idling for more than two minutes and requiring operators to turn off engines when not in use.
	Posting both interior- and exterior-facing signs, including signs directed at all dock and delivery areas, identifying idling restrictions and contact information to report violations to CARB, the air district, and the building manager.
	Installing and maintaining, at the manufacturer's recommended maintenance intervals, air filtration systems at sensitive receptors within a certain radius of facility for the life of the project.
	Installing and maintaining, at the manufacturer's recommended maintenance intervals, an air monitoring
_	station proximate to sensitive receptors and the facility for the life of the project and making the resulting
	data publicly available in real time. While air monitoring does not mitigate the air quality or greenhouse
	gas impacts of a facility, it nonetheless benefits the affected community by providing information that can
	be used to improve air quality or avoid exposure to unhealthy air.
	Constructing electric truck charging stations proportional to the number of dock doors at the project.
	Constructing electric plugs for electric transport refrigeration units at every dock door if the warehouse use
	could include refrigeration.
	Installing solar photovoltaic systems on the project site of a specified electrical generation capacity, such as
	equal to the building's projected energy needs.
	Requiring all stand-by emergency generators to be powered by a non-diesel fuel.
	Requiring facility operators to train managers and employees on efficient scheduling and load management
	to eliminate unnecessary queuing and idling of trucks.
	Requiring operators to establish and promote a rideshare program that discourages single occupancy
	vehicle trips and provides financial incentives for alternate modes of transportation, including carpooling,
	public transit, and biking.
	Meeting CalGreen Tier 2 green building standards, including all provisions related to designated parking
	for clean air vehicles, electric vehicle charging, and bicycle parking.
	Achieving certification of compliance with LEED green building standards.
	Providing meal options onsite or shuttles between the facility and nearby meal destinations.
	Posting signs at every truck exit driveway providing directional information to the truck route.
	Improving and maintaining vegetation and tree canopy for residents in and around the project area.
	Requiring that every tenant train its staff in charge of keeping vehicle records in diesel technologies and
	compliance with CARB regulations, by attending CARB approved courses. Also require facility operators to
	maintain records on-site demonstrating compliance and make records available for inspection by the local
	jurisdiction, air district, and state upon request.
Ш	Requiring tenants to enroll in the United States Environmental Protection Agency's SmartWay program
	and requiring tenants to use carriers that are SmartWay carriers.
	Providing tenants with information on incentive programs, such as the Carl Moyer Program and Voucher
	Incentive Program, to upgrade their fleets.

An EIR should be prepared to analyze all feasible mitigation measures to reduce the Project's significant environmental impacts.

Response 15

The comment correctly points out that mitigation measures must be designed to minimize, reduce or avoid an identified environmental impact or to rectify or compensate for that impact. (CEQA Guidelines § 15370.) The comment does not indicate that a mitigation should focus on the mitigation of a potentially significant impact. Mitigation was included in the IS/MND to address those issues where a potentially significant impact was identified. Furthermore, many of the measures listed in the comment are currently requirements. For example, the requirement

prohibiting trucks idling or the use of paints containing low VOC content are already SCAQMD regulation.

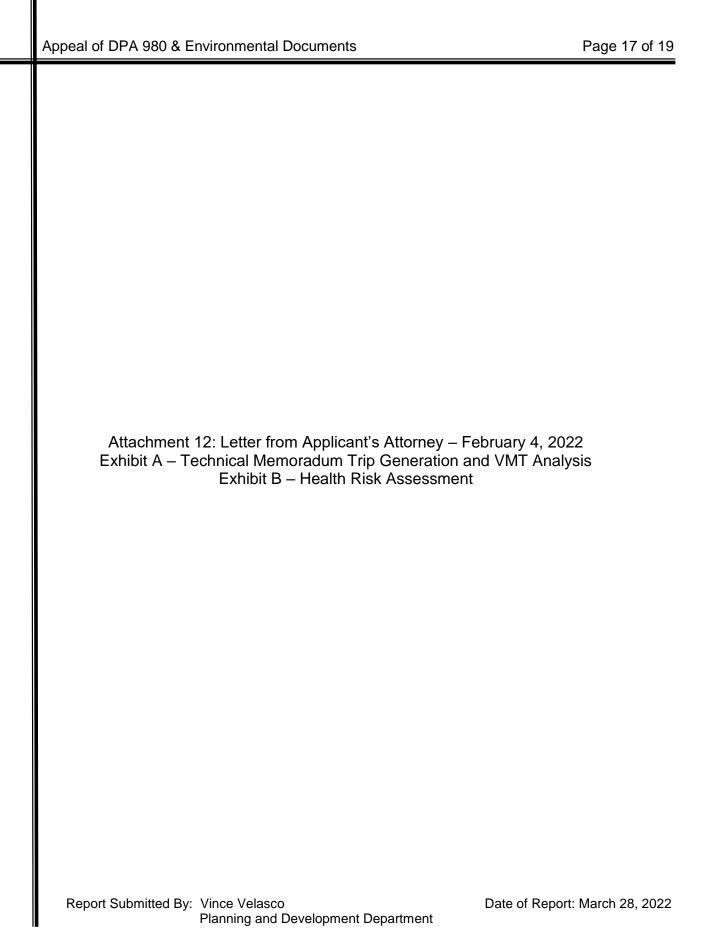
It is further noted that the comment cites to cases and Guidelines that relate to EIRs as opposed to MNDs and therefore, such requirements are not applicable. The project did not result in any unavoidable significant impacts. Mitigation measures were imposed to reduce impacts below a level of significance.

Comment 16 Conclusions

Conclusion. For the foregoing reasons, SAFER requests that the City continue the Planning Commission hearing for at least 20-days to provide the legally required public comment period. We also request that the City prepare an environmental impact report ("EIR") to analyze and mitigate the Project's significant adverse environmental impacts. Thank you.

Response 16

The comment is noted for the record.





jmbm.com

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February 4, 2022

BY EMAIL

Mayor and Members of the Santa Fe Springs City Council 11710 Telegraph Road Santa Fe Springs, CA 90670 Janet Martinez, City Clerk cityclerk@santafesprings.org.

Re: <u>11401 Greenstone Avenue</u>

<u>Development Plan Approval Case No. 980</u> <u>City Council Hearing Date: December 7, 2021</u>

Dear Mayor Mora and Members of the Santa Fe Springs City Council:

Our firm represents Greenstone SFS, LLC, the owner of the 6.64 acre property located at 11401 Greenstone Avenue, Santa Fe Springs, CA (the "Property"). On July 12, 2021, the City Planning Commission unanimously approved the construction of a new 144,434 square foot concrete tilt-up industrial building on the Property (the "Project") within the M-1 Heavy Manufacturing Zone with an Industrial general plan designation. (DPA 980, Res. No. 190-2021). The approval was appealed by SAFER, who is represented by Lozeau Drury. (the "Appeal") None of the appeal claims have any merit, and there is no substantial evidence in the record that the Project will have a significant adverse effect on the environment that cannot be mitigated. This letter provides substantial evidence in the record refuting the appeal claims, in addition to the evidence provided in the City's staff report and the environmental analysis by Blodgett/Baylosis Environmental Planning ("Blodgett/Baylosis").

The City's Initial Study (IS), Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP), prepared by Blodgett/Baylosis, including a Traffic Impact Study prepared by Crown City Engineers, evaluated 20 issue areas and determined that there were no unmitigable environmental impacts that would result from the Project's construction or operation. The IS/MND identified three areas that would have a less than significant impact with mitigation including Cultural Resources (archeological resources), Hazardous Materials (transport, use or disposal of hazardous materials), and Tribal Cultural Resources, and identified four mitigation measures to reduce the potential impacts of these areas to less than significant. The City Planning Commission approved DPA 980 with Resolution No. 190-2011, which included 104 conditions of approval.

The Appeal claims that the Planning Commission's Project approval and the MND are deficient; Blodgett/Baylosis Environmental Planning provided two response letters, dated July 12, 2021 and September 27, 2021 addressing each of the Appeal claims. In addition, Ganddini Group prepare a Health Risk Assessment Analysis, Greenstone Avenue Industrial Development, dated January 21, 2022, ("HRA"), and a Technical Memorandum regarding Greenstone Avenue Trip Generation and VMT Analysis, dated January 22, 2022 ("Technical Traffic Memorandum"), which are attached to the is letter as Exhibits A and B. This letter summarizes the Blodgett/Baylosis analysis, the HRA, and the Technical Traffic Memorandum and provides evidence that each of the Appeal claims are void or insufficient.

I. The City Provided Proper Public Review of the MND.

Although the City staff did not originally notify SAFER of the circulation of the MND for 30 days, the City has since provided SAFER extensive time to review and comment on the MND, and provided additional written responses by Blodgett/Baylosis to SAFER's comments, including the Blodgett/Baylosis letters, dated July 12, 2021 and September 27, 2021. Therefore, SAFER has been provided legally sufficient notice and time to comment on the MND for the Project

II. The MND Provided Analysis of Energy Impacts and Determined that They Were Less Than Significant Without Mitigation.

The CEQA Thresholds for determining whether the Project has a significant impact on energy is (A) Would the Project result in a potentially significant energy impact due to wasteful, inefficient, or unnecessary consumption of energy resources during the Project construction or operation, and (B) Would the Project conflict with or obstruct a State or local plan for renewable energy or energy efficiency? The MND identified both as a less than significant impact without mitigation and so no further analysis was necessary. SAFER claims that the MND did not fully evaluate the energy impacts of the Project, but it does not identify a specific impact or provide any substantial evidence to support its claim. It states that the MND does not evaluate the cost effectiveness of energy requirements, or the energy necessary to power equipment during construction or operation of the Project. However, the cost effectiveness is not an element of the CEQA Threshold. The energy equipment analysis was included in the models used to calculate the Project energy during operation.

A. As stated in the MND, the Project would not result in a significant energy impact due to wasteful, inefficient, or unnecessary consumption of energy resources during the Project construction or operation.

The Project site is served by Southern California Edison (electricity) and the Southern California Gas Company (SCG). The proposed Project, a new 144,434 square foot building, will consume approximately 1,899 kWH of electricity and 1,869 cubic feet of natural gas on a daily basis, as shown in the utilities worksheets. The Project will fully comply with the Title 24,



Building Standards Code, the California Energy Code, and the California Green Building Code, commonly referred to as the CALGreen Code, and so will not create wasteful, inefficient, or unnecessary consumption of energy resources. The Project construction will include tilt-up construction of a standard industrial warehouse building; there is no unusual or specific use that would create wasteful, inefficient or unnecessary consumption of energy, and SAFER does not provide any evidence.

B. As stated in the MND, the Project does not conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

The Project complies with all State laws, Title 24, Building Standards Code, the California Energy Code, and the CALGreen Code, and so does not conflict with or obstruct any State or local plan for renewable energy. Senate Bill (SB) 1389 (PRC Sections 25300–25323; SB 1389) requires the California Energy Commission (CEC) to prepare a biennial integrated energy policy report that assesses major energy trends and issues facing the State's electricity, natural gas, and transportation fuel sectors. SB 1389 provides policy recommendations to conserve resources; protect the environment; ensure reliable, secure, and diverse energy supplies; enhance the State's economy; and protect public health and safety (PRC Section 25301[a]).

The State of California has adopted standards to increase the percentage that retail sellers of electricity, including investor-owned utilities and community choice aggregators, must provide from renewable sources. The standards are referred to as the Renewables Portfolio Standard (RPS) and require retail sellers of electric services to increase procurement from eligible renewable energy resources to 33 percent by 2020. On September 10, 2018, Governor Jerry Brown signed SB 100, which further increased California's RPS and requires retail sellers and local publicly owned electric utilities to procure eligible renewable electricity for 44 percent of retail sales by December 31, 2024, 52 percent by December 31, 2027, and 60 percent by December 31, 2030, and that the California Air Resources Board (CARB) should plan for 100 percent eligible renewable energy resources and zero-carbon resources by December 31, 2045. The California Public Utilities Commission (CPUC) and the CEC jointly implement the RPS program.

In 1978, the California Building Energy Efficiency Standards for Residential and Nonresidential Buildings (California Code of Regulations (CCR), Title 24, Part 6) were adopted to ensure that building construction and system design and installation achieve energy efficiency and preserve outdoor and indoor environmental quality. The current California Building Energy Efficiency Standards (Title 24 standards) are the 2019 Title 24 standards, which became effective on January 1, 2020.

The CALGreen Code (CCR, Title 24, Part 11) includes mandatory measures for nonresidential development related to site development; energy efficiency; water efficiency and conservation; material conservation and resource efficiency; and environmental quality. Recent changes to the CALGreen Code were related to the definitions and to the clarification or addition



of referenced manuals, handbooks, and standards. For example, several definitions related to energy that were added or revised affect electric vehicle (EV) chargers and charging and hot water recirculation systems.

The Project will comply with the Title 24 building code requirements and with the CALGreen Code, as well as State implemented policies. In addition, the approval requires the Project to identify further energy reducing measures during the Project operation. Therefore, the Project does not conflict with or obstruct a State or local plan for renewable energy or energy efficiency.

III. The MND Provided Analysis of Air Quality Impacts and Determined that They Were Less Than Significant Without Mitigation or Had No Impact.

SAFER claims that the California Emissions Estimator Model Version ("CalEEMod") used to calculate Air Quality impacts used values that were not consistent with MND numbers, and therefore did not fully analyze the Air Quality impacts and provide mitigation. As described below, and in the Blodgett/Baylosis analysis, any small inconsistencies did not result in a significant impact for Air Quality that could not be mitigated, and in some areas, the analysis was more conservative than the actual Project impacts.

SAFER argues that the Project did not include an analysis of refrigeration in storage. As stated in the Blodgett/Baylosis analysis, the Project is a conventional high cube warehouse rather than a cold storage facility, and so analysis of refrigeration was not necessary. The Project includes 134,995 square feet of warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. Any tenant's use must be either permitted by right or conditionally permitted under the City's zoning ordinance. South Coast AQMD ("SCAQMD") adopted Rule 1415.1 to control emissions of high-global warming potential ("GWP") refrigerants, and refrigeration systems with a full charge capacity of greater than 50 pounds of high GWP refrigerants are regulated solely under this rule. This does not apply to the Project, which does not include high GWP refrigerants of this type.

SAFER claims that the MND failed to provide an Air Quality analysis for parking uses, demolition, grading, excavation and hauling. All claims are false. First, the Project's parking area is ancillary to the facilities operations, and so the mobile emissions for employees and patrons were calculated as part of the Project analysis; the parking lot does not generate trips by itself. Second, the emissions related to demolition were calculated and are identified in Table 3-1; these emission levels are well below the SCAQMD's thresholds identified in Table 3-1. Third, SAFER claims that the CalEEMod grading values were reduced from 15 acres to 8 acres of grading, and from 22.5 acres to 7.5 acres of paving, which would result in underestimation of Project emissions. However, the Project Site is 6.63 acres, is relatively level, and grading will be minimum, and as stated in the Blodgett/Baylosis analysis, the model's values actually overstated the potential emissions. Finally, the Project Site currently has conditional approval of a remedial action plan to



excavate 3,300 cubic yards of contaminated soil; however, this is an existing condition and is not part of the Project analysis.

SAFER claims that the construction schedule should be 9 months instead of the 11 months used to calculate the daily construction emissions in Table 3-1. First, the Project construction may actually take 11 months during Covid. Second, the Blodgett/Baylosis analysis recalculated the total emissions by adding 19 percent to Table 3-1, and the resulting emissions would still be well below the SCAQMD threshold. Therefore, there is no significant Air Quality impact caused by reducing the construction schedule to 9 months.

IV. The MND Provided Analysis of Traffic Impacts and Determined that They Were Less Than Significant Without Mitigation or Had No Impact.

SAFER claims the 2003 City of Fontana Truck Trip Generation Study underestimates the number of truck trip rate and truck fleet mix percentage, because it is based on only four warehouses, and so should not be relied on for the Project Traffic Study. However, the Project Traffic Study referred to the Fontana Truck Trip Generation Study only to derive passenger car equivalent rates for a more accurate count. The Traffic Study did not use the truck trip rate or truck fleet mix in the Fontana Truck Trip Generation Study; the trip generation rates and the CalEEMod computer program were based on the ITE Trip Generation Manual. Therefore, the Project Traffic Study properly evaluated the Project and determined there were no impacts that could not be mitigated.

In addition, the Project Traffic Study did not take credit for the existing trips on site. The Traffic Study, Table 6, determines that the Project will generate a daily total of 251 trips with 25 AM peak hour (19 inbound, 6 outbound) and 29 peak hour trips (8 inbound and 21 outbound). In addition, the Traffic Study calculates Passenger Car Equivalent (PCE) Trips by providing 2 PCEs for 2-axle and 3-axle trucks, and 3 PCEs for 4+-axle trucks. The Project will generate approximately 333 net one-way PCE trips per average weekday (167 inbound and 166 outbound). The average weekday new peak hour PCE trips will be approximately 33 trips during the AM peak hour (25 inbound and 8 outbound, 7-9am), and 36 trips during the PM peak hour (10 inbound and 26 outbound, 4-6pm).

Counts Unlimited, Inc., conducted a 24-hour trip count on Wednesday, December 15, 2021, at the Property. ("2021 Trip Count") The 2021 Trip Count concluded that the existing use generates 293 trips daily (147 inbound and 146 outbound) with a total of 790 PCEs. The 2021 Trip Count included a total of 6 inbound and 8 outbound passenger cars (14 PCEs), 32 inbound and 38 outbound 3-axle trucks (140 PCEs), and 112 inbound and 100 outbound 4+-axle trucks (636 PCEs). The 2021 Trip Count also identified 42 AM peak hour trips (26 inbound and 16 outbound), and 26 PM peak hour trips (8 inbound and 18 outbound). Therefore, based on the 2021 Trip Count for existing trips, the Project would generate no net daily trip gain (251 Project trips – 293 existing trips), including no AM peak hour trip gain (25-42 trips), and only 3 PM net peak



hour trips (29-26 trips). Using the PCE rates, the Project generates no net daily PCE trips (333 project PCE trips - 790 existing PCE trips), AM net peak hour trips (33-103) or PM net peak hour trips (26-45).

In the Technical Memorandum regarding Greenstone Avenue Trip Generation and VMT Analysis, dated January 22, 2022, ("Technical Traffic Memorandum") Ganddini Group found that because the proposed Project would have a net reduction of 45 vehicle trips per day, the Project would satisfy the County-established screening criteria and would have a less than significant VMT impact. The Technical Traffic Memorandum is attached as Exhibit A.

The Technical Traffic Memorandum summarizes that the State Office of Planning and Research (OPR), pursuant to SB 743, created a *Technical Advisory on Evaluating Transportation Impacts in CEQA*, and provides technical considerations regarding methodologies regarding traffic thresholds under VMT. (State of California, December 2018) The County of Los Angeles also prepared *Transportation Impact Analysis Guidelines* (July 2020); however, the City of Santa Fe Springs has not separately adopted Transportation Guidelines for analysis under VMT. The Technical Memorandum states that, based on State and County guidelines, for projects that are expected to generate fewer than 110 net trips per day, the project may be assumed to cause a less than significant traffic impact. Here, the Project will general a net reduction of 45 vehicle trips per day, and therefore there is no traffic impact caused by the Project.

V. The MND for the Project Did Not Require a Full Health Risk Assessment Based on Project Specific Conditions.

SAFER claims the MND should include a health risk assessment for diesel particulate emissions during Project construction. SAFER mischaracterizes the holding in *Sierra Club v. County of Fresno*, which requires EIRs to have a discussion of whether an impact is significant, and the nature and magnitude of the impact. The court states: "CEQA does not mandate such an in-depth risk assessment. CEQA requires that the EIR have made a reasonable effort to discuss relevant specifics regarding the connection between two segments of information already contained in the EIR, the general health effects associated with a particular pollutant and the estimated amount of that pollutant the project will likely produce. This discussion will allow the public to make an informed decision, as CEQA requires." (*Sierra Club v. County of Fresno*, 6 Cal.5th 502, 522 (2018)) However, this case does not limit the ability for an IS/MND to use thresholds to determine a full health risk assessment is not necessary. In addition, the SWAPE health risk assessment relies on information that is not accurate, including the location of sensitive receptors.

As stated in the Blodgett/Baylosis analysis, the Cedar Street Homes are 1,353 feet from the Project Site and are separated from the Project Site by a number of existing industrial uses and the yard area of the former Norwalk Metropolitan State Hospital. The Cedar Street Homes are no longer occupied in its entirety. The SWAPE health risk assessment assumes a sensitive receptor



that is 300 meters away (984 feet) without intervening uses, and so is inaccurate, and does not constitute substantial evidence requiring further analysis. As more specifically summarized in the Blodgett/Baylosis analysis, California state law requires clean diesel technology to reduce diesel particulates, including compliance with the SCAQMD's regulations and Title 13-§ 2485 CA Code of Regulations limiting truck idling to 5 minutes. It requires compliance with SCAQMD Rule 403 regulations, which significantly reduce generation of fugitive dust. The Project also complies with the SCAQMD's Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, dated March 28, 2003, because it does not meet any of the variables necessary to calculate diesel particulate emissions from Truck Idling and Movement.

In the Heath Risk Assessment Analysis, Greenstone Avenue Industrial Development, dated January 21, 2022, ("HRA") Ganddini Group concludes that none of the existing sensitive receptors within the vicinity of the Project would be exposed to cancer risk in excess of 10 in a million from diesel particulate matter ("DPM") mobile source emissions from the operation of the Project. The HRA concludes that no mitigation is required. The HRA also concludes that the operational health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less than significant and no mitigation is required. The HRA is attached as Exhibit B.

The HRA evaluated sensitive receptors including residential land uses, schools, day care centers and other places where people reside. The HRA determined that the nearest sensitive receptors to the Project are the residential neighborhood approximately 950 feet to the east on the east side of Shoemaker road. Cedar Street Homes, an assisted living facility, and Homes for Life, a non-profit that provides housing, are located over 1,000 feet to the west of the site on the west side of Bloomfield Avenue. The HRA evaluated the diesel emissions health risk from the ongoing operations of the Project pursuant to SCAQMD methodology considering the most-conservative scenario. For cancer-related health risks, the HRA concluded that for a 30-year duration the cumulative carcinogenic health risk is a maximum of .16 per million at the receptor location 6, Table 9, and concluded that therefore the maximum incremental cancer risk does nto reach 10 in a million at any sensitive receptor location. The HRA evaluated non-cancer risks, and utilized the Office of Environmental Health Hazard formula (HIDPM=CDPM/RELDPM). The HRA concluded that the Hazard Index for the Project is .0001, which is less than the criterion of significance for a Hazard Index increase of 1.0 or greater. Therefore, the operational health risk impacts for cancer risks and non-cancer risks are both less than significant.

VI. All Project Impacts Are Mitigated to a Less Than Significant Level.

SAFER states that there are dozens of mitigation measures that should be provided for the Project because they are feasible, and lists the proposed mitigation measures. However, CEQA requires that mitigation measures must be designed to minimize, reduce, or avoid an identified environmental impact, but does not require mitigation measures where there is no identified impact. (CEQA Guidelines 15370) Here, the IS/MND identified three areas that would have a less



than significant impact with mitigation including Cultural Resources (archeological resources), Hazardous Materials (transport, use or disposal of hazardous materials), and Tribal Cultural Resources, and identified four mitigation measures to reduce the potential impacts of these areas to less than significant. In addition, the HRA and the Technical Traffic Memorandum further support that no additional mitigation is required regarding health risks or transportation. Many of SAFER's proposed mitigation measures are already required by existing codes and regulations. Any proposed mitigation or condition that does not reduce an identified potential significant impact is not required under CEQA.

We request that the City Council approve and adopt the IS/MND/MMRP and approve Development Plan Approval Case No. 980, subject to the conditions of approval contained in Resolution No. 190-2021.

Very truly yours,

Sheir Bonstelle

SHERI L. BONSTELLE for Jeffer Mangels Butler & Mitchell LLP

SLB

Exhibit A - Technical Memorandum, Greenstone Avenue Trip Generation and VMT Analysis, dated January 22, 2022, by Ganddini Group.

Exhibit B – Heath Risk Assessment Analysis, Greenstone Avenue Industrial Development, dated January 21, 2022, by Ganddini Group.

cc: Janet Martinez, City Clerk <u>JanetMartinez@santafesprings.org</u>
Wayne Morrell, Planning Director <u>waynemorrell@santafesprings.org</u>
Vince Velasco, Associate Planner <u>vincevelasco@santafesprings.org</u>
Raymond Cruz, City Manager <u>raymondcruz@santafesprings.org</u>



Attachment No. 12a



transportation ■ noise ■ air quality | GANDDINI GROUP

TECHNICAL MEMORANDUM

TO: Ms. Sheri Bonstelle | JEFFER MANGELS BUTLER & MITCHELL LLP

FROM: Giancarlo Ganddini, PE, PTP

DATE: January 22, 2022

SUBJECT: Greenstone Avenue Warehouse Trip Generation & VMT Assessment

Project No. 19471

Ganddini Group is pleased to provide this trip generation and vehicle miles traveled (VMT) assessment for the proposed Greenstone Avenue Warehouse project in the City of Santa Fe Springs, California.

PROJECT LOCATION

The 6.63-acre project site is located at 11401 Greenstone Avenue in the City of Santa Fe Springs, California. The project site is currently used as a truck trailer storage yard.

PROJECT DESCRIPTION

The proposed project involves the construction of a new 144,434 square foot building that would include a 6,958 square foot mezzanine. Of this total floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. A total of 16 dock high loading doors will be provided along the building's north elevation. A total of 205 parking spaces will be provided for employees and visitors. Access to the site will be provided by two, 40-foot wide driveway connections with the west side of Greenstone Avenue.

EXISTING SITE TRIP GENERATION

A 24-hour inbound/outbound driveway volume count was conducted at the project site on a typical weekday in December 2021 to document the number of trips generated by the existing use to be displaced. Driveway count worksheets are provided in Attachment A.

Table 1 shows the number of trips generated by the existing use at the project site that will be displaced by the proposed project. As shown in Table 1, the existing use generates approximately 296 vehicle trips per day, including 13 vehicle trips during the AM peak hour and 8 vehicle trips during the PM peak hour.

To account for the effect of heavy trucks, the existing use trip generation was also calculated in terms of Passenger Car Equivalent (PCE) trips, consistent with the PCE factors used in the Initial Study and Mitigated Negative Declaration (IS/MND) for the Greenstone Avenue Industrial Development (City of Santa Fe Springs, May 2021) ["Project IS/MND"] and the supporting *Traffic Impact Study Warehouse Development 11401 Greenstone Avenue (Patrick Lang, April 2021)* ["Project Traffic Study"]. As also shown in Table 1, the existing use trip generation equates to approximately 790 PCE trips per day, including 32 PCE trips during the AM peak hour and 18 PCE trips during the PM peak hour.

Ms. Sheri Bonstelle | JEFFER MANGELS BUTLER & MITCHELL LLP Greenstone Avenue Warehouse Trip Generation & VMT Assessment January 22, 2022

NET PROJECT TRIP GENERATION

Table 2 shows the net project trip generation in vehicle trips based on the net difference between the proposed project trip generation obtained from the Project Traffic Study and the existing use trip generation shown in Table 1. As shown in Table 2, the proposed project is forecast to result in a net decrease of 45 vehicle trips per day, including 12 additional vehicle trips during the AM peak hour and 19 additional vehicle trips during the PM peak hour.

Table 3 shows the net project trip generation in PCE trips. As shown in Table 3, the proposed project is forecast to result in a net decrease of 457 fewer PCE trips per day, including 1 additional PCE trip during the AM peak hour and 18 additional PCE trips during the PM peak hour.

Since the Project Traffic Study does not account for trips generated by the existing project site that will be displaced by the proposed project, the evaluation provided in the Project's IS/MND overestimates the project trip generation, thus providing a conservative assessment of the project's potential impact on roadway operations. For reference, the Project IS/MND impact evaluation was based on a project trip generation forecast of 333 PCE trips per day, including 33 PCE trips during the AM peak hour and 36 PCE trips during the PM peak hour. Based on the net trip generation calculated herein, a more proximate estimate of the project's net trip generation is expected to result in a reduction of daily trips, a negligible increase during the AM peak hour, and approximately half the number of trips during the PM peak hour compared to the IS/MND.

VEHICLES MILES TRAVELED (VMT) SCREENING ASSESSMENT

Background

California Senate Bill 743 (SB 743) directs the State Office of Planning and Research (OPR) to amend the California Environmental Quality Act (CEQA) Guidelines for evaluating transportation impacts to provide alternatives to Level of Service that "promote the reduction of greenhouse gas emissions, the development of multimodal transportation networks, and a diversity of land uses." In December 2018, the California Natural Resources Agency certified and adopted the updated CEQA Guidelines package. The amended CEQA Guidelines, specifically Section 15064.3, recommend the use of Vehicle Miles Travelled (VMT) as the primary metric for the evaluation of transportation impacts associated with land use and transportation projects. In general terms, VMT quantifies the amount and distance of automobile travel attributable to a project or region. All agencies and projects State-wide are required to utilize the updated CEQA guidelines recommending use of VMT for evaluating transportation impacts as of July 1, 2020.

The updated CEQA Guidelines allow for lead agency discretion in establishing methodologies and thresholds provided there is substantial evidence to demonstrate that the established procedures promote the intended goals of the legislation. Where quantitative models or methods are unavailable, Section 15064.3 allows agencies to assess VMT qualitatively using factors such as availability of transit and proximity to other destinations. The Office of Planning and Research (OPR) *Technical Advisory on Evaluating Transportation Impacts in CEQA* (State of California, December 2018) ["OPR Technical Advisory"] provides technical considerations regarding methodologies and thresholds with a focus on office, residential, and retail developments as these projects tend to have the greatest influence on VMT.

As specified in the OPR Technical Advisory, "Proposed Section 15064.3, subdivision (a), states, "For the purposes of this section, 'vehicle miles traveled' refers to the amount and distance of automobile travel attributable to a project." Here, the term "automobile" refers to on-road passenger vehicles, specifically cars and light trucks."



Ms. Sheri Bonstelle | JEFFER MANGELS BUTLER & MITCHELL LLP Greenstone Avenue Warehouse Trip Generation & VMT Assessment January 22, 2022

In the absence of VMT guidelines established by the City of Santa Fe Springs, the project VMT impact has been assessed in accordance with guidance from the OPR Technical Advisory and the County of Los Angeles Transportation Impact Analysis Guidelines (July 2020) ["County TIA Guidelines"].

Screening Threshold for Small Projects

Both the OPR Technical Advisory and the County of Los Angeles TIA Guidelines recommend and establish a screening threshold for small projects that are expected to generate fewer than 110 net trips per day¹ and may generally be assumed to cause a less than significant impact. Other jurisdictions have adopted similar screening criteria for small projects with a higher threshold for the number of daily trips generated, such as the City of Los Angeles for which a small project is defined as 250 daily trips. Other jurisdictions have adopted substantially higher thresholds based on evidence relating to the correlation with greenhouse gas emissions thresholds. The threshold of 110 daily trips is among the lowest of trip-based thresholds in the State (possibly the lowest) and a regionally-accepted standard for documenting a less than significant VMT impact.

CONCLUSIONS

The proposed project is forecast to result in a net decrease of 45 vehicle trips per day, including 12 additional vehicle trips during the AM peak hour and 19 additional vehicle trips during the PM peak hour.

The proposed project is forecast to result in a net decrease of 457 fewer PCE trips per day, including 1 additional PCE trip during the AM peak hour and 18 additional PCE trips during the PM peak hour.

Since the proposed project is forecast to result in a net reduction of 45 vehicle trips per day, the proposed project would satisfy State-recommended and County-established screening criteria for small projects and may be presumed to have a less than significant VMT impact.

CEQA provides a categorical exemption for existing facilities, including additions to existing structures of up to 10,000 square feet, so long as the project is in an area where public infrastructure is available to allow for maximum planned development and the project is not in an environmentally sensitive area. (CEQA Guidelines, § 15301, subd. (e)(2).) Typical project types for which trip generation increases relatively linearly with building footprint (i.e., general office building, single tenant office building, office park, and business park) generate or attract an additional 110-124 trips per 10,000 square feet. Therefore, absent substantial evidence otherwise, it is reasonable to conclude that the addition of 110 or fewer trips could be considered not to lead to a significant impact.



Table 1
Existing Site Trip Generation

Vehicle Trips Generated ¹								
		AM Peak Hou	r		PM Peak Hou	r		
Land Use	In	Out	Total	In	Out	Total	Daily	
Existing Truck Terminal								
Passenger Cars	1	1	2	0	2	2	14	
Trucks:								
2-axle Trucks	0	0	0	0	0	0	0	
3-axle Trucks	3	0	3	1	1	2	70	
4+ axle Trucks	4	4	8	1	3	4	212	
Subtotal Trucks	7	4	11	2	4	6	282	
Total Vehicle Trips Generated	8	5	13	2	6	8	296	

	PCE Trips Generated ²							
	PCE		AM Peak Hou	r		PM Peak Hou	r	
Land Use	Factor	ln	Out	Total	ln	Out	Total	Daily
Existing Truck Terminal								
Passenger Cars	1.0	1	1	2	0	2	2	14
Trucks:								
2-axle Trucks	2.0	0	0	0	0	0	0	0
3-axle Trucks	2.0	6	0	6	2	2	4	140
4+ axle Trucks	3.0	12	12	24	3	9	12	636
Subtotal Trucks		18	12	30	5	11	16	776
Total PCE Trips Generated		19	13	32	5	13	18	790

Notes:



^{1.} Based on inbound and outbound trip counts at the existing project site driveway collected on December 15, 2021. The project AM peak hour during the AM peak period of adjacent street traffic occurred from 8:00 AM - 9:00 AM. The project PM peak hour during the PM peak period of adjacent street traffic occurred from 4:00 PM - 5:00 PM.

^{2.} PCE = Passenger Car Equivalent.

Table 2
Net Project Trip Generation in Vehicle Trips

	Vehicle Trips Generated								
		AM Peak Hou	r	PM Peak Hour					
Land Use	In	Out	Total	In	Out	Total	Daily		
Existing Truck Terminal ¹									
Passenger Cars	1	1	2	0	2	2	14		
Trucks:									
2-axle Trucks	0	0	0	0	0	0	0		
3-axle Trucks	3	0	3	1	1	2	70		
4+ axle Trucks	4	4	8	1	3	4	212		
Subtotal Trucks	7	4	11	2	4	6	282		
Total Existing Vehicle Trips Generated	8	5	13	2	6	8	296		
Proposed Project ²									
Passenger Cars	15	4	19	5	16	21	200		
Trucks:									
2-axle Trucks	1	0	1	1	1	2	9		
3-axle Trucks	1	1	2	0	1	1	11		
4+ axle Trucks	2	1	3	1	2	3	31		
Subtotal Trucks	4	2	6	2	4	6	51		
Total Proposed Vehicle Trips Generated	19	6	25	7	20	27	251		
Net New Vehicle Trips Generated	+11	+1	+12	+5	+14	+19	-45		

Notes:

1. Source: Table 1.

2. Source: Traffic Impact Study Warehouse Development 11401 Greenstone Avenue (Patrick Lang, April 2021).



Table 3
Net Project Trip Generation in PCE Trips

PCE Trips Generated								
		AM Peak Hou	r	PM Peak Hour				
Land Use	In	Out	Total	In	Out	Total	Daily	
Existing Truck Terminal ¹								
Passenger Cars	1	1	2	0	2	2	14	
Trucks:								
2-axle Trucks	0	0	0	0	0	0	0	
3-axle Trucks	6	0	6	2	2	4	140	
4+ axle Trucks	12	12	24	3	9	12	636	
Subtotal Trucks	18	12	30	5	11	16	776	
Total Existing PCE Trips Generated	19	13	32	5	13	18	790	
Proposed Project ²								
Passenger Cars	15	5	20	6	16	22	200	
Trucks:								
2-axle Trucks	1	1	2	0	1	1	17	
3-axle Trucks	2	0	2	1	2	3	23	
4+ axle Trucks	7	2	9	3	7	10	93	
Subtotal Trucks	10	3	13	4	10	14	133	
Total Proposed PCE Trips Generated	25	8	33	10	26	36	333	
Net New PCE Trips Generated	+6	-5	+1	+5	+13	+18	-457	

Notes:

1. Source: Table 1.

2. Source: Traffic Impact Study Warehouse Development 11401 Greenstone Avenue (Patrick Lang, April 2021).



ATTACHMENT A EXISTING SITE TRIP COUNTS



City: Santa Fe Springs

Location: Driveway at 11401 Greenstone Avenue

Date: Wednesday, December 15, 2021

Count Type: Driveway Classification

[Entering						
•	Pass	Large					
	Veh	2 Axle	3 Axle	4+ Axle	Total		
0:00	1	0	0	2	0		
0:15	1	0	0	0	1		
0:30	0	0	0	2	2		
0:45	0	0	1	0	1		
1:00	0	0	0	0	0		
1:15	0	0	0	1	1		
1:30	0	0	0	0	0		
1:45	0	0	0	0	0		
2:00	0	0	0	0	0		
2:15	0	0	0	0	0		
2:30	0	0	0	0	0		
2:45	0	0	0	0	0		
3:00	0	0	0	0	0		
3:15	0	0	0	0	0		
3:30	0	0	0	0	0		
3:45	0	0	0	0	0		
4:00	0	0	0	0	0		
4:15	0	0	0	0	0		
4:30	0	0	0	0	0		
4:45	0	0	0	0	0		
5:00	0	0	0	0	0		
5:15	0	0	0	0	0		
5:30	0	0	1	0	1		
5:45	0	0	0	0	0		
6:00	0	0	1	0	1		
6:15	0	0	2	0	2		
6:30	0	0	0	0	0		
6:45	0	0	0	0	0		
7:00	0	0	1	2	3		
7:15	0	0	0	0	0		
7:30	0	0	1	0	1		
7:45	0	0	1	0	1		
8:00	0	0	1	1	2		
8:15	1	0	0	1	2		
8:30	0	0	1	0	1		
8:45	0	0	1	2	3		
9:00	0	0	1	2	3		
9:15	0	0	0	1	1		
9:30	0	0	1	1	2		
9:45	0	0	0	3	3		
10:00	0	0	1	1	2		
10:15	0	0	0	4	4		
10:30	0	0	1	0	1		
10:45	0	0	1	0	1		
11:00	0	0	1	3	4		
11:15	0	0	0	2	2		
11:30	0	0	0	1	1		
11:45	0	0	0	1	1		

	Exiting						
	Pass	Large					
	Veh	2 Axle	3 Axle	4+ Axle	Total		
0:00	0	0	0	2	2		
0:15	0	0	0	1	1		
0:30	0	0	0	0	0		
0:45	0	0	1	1	2		
1:00	0	0	0	0	0		
1:15	0	0	0	0	0		
1:30	0	0	0	0	0		
1:45	0	0	0	1	1		
2:00	0	0	0	0	0		
2:15	0	0	0	0	0		
2:30	0	0	0	0	0		
2:45	0	0	0	0	0		
3:00	0	0	0	0	0		
3:15	0	0	0	0	0		
3:30	0	0	0	0	0		
3:45	0	0	0	0	0		
4:00	0	0	0	0	0		
4:15	0	0	0	0	0		
4:30	0	0	0	0	0		
4:45	1	0	0	0	1		
5:00	0	0	0	0	0		
5:15	0	0	0	0	0		
5:30	0	0	0	0	0		
5:45	0	0	1	0	1		
6:00	0	0	1	0	1		
6:15	0	0	0	0	0		
6:30	1	0	1	0	2		
6:45	0	0	0	1	1		
7:00	0	0	0	0	0		
7:15	0	0	0	0	0		
7:30	0	0	1	1	2		
7:45	0	0	1	0	1		
8:00	0	0	0	2	2		
8:15	0	0	0	1	1		
8:30	1	0	0	1	2		
8:45	0	0	0	0	0		
9:00	0	0	0	1	1		
9:15	0	0	2	5	7		
9:30	0	0	0	0	0		
9:45	0	0	1	1	2		
10:00	0	0	0	1	1		
10:15	0	0	0	1	1		
10:30	0	0	2	2	4		
10:45	0	0	0	2	2		
11:00	0	0	0	1	1		
11:15	0	0	0	2	2		
11:30	0	0	0	1	1		
11:45	0	0	0	1	1		



City: Santa Fe Springs

Location: Driveway at 11401 Greenstone Avenue

Date: Wednesday, December 15, 2021

Count Type: Driveway Classification

i					
		Т.	Entering	ı	
	Pass	Large			
	Veh	2 Axle	3 Axle	4+ Axle	Total
12:00	0	0	0	3	3
12:15	1	0	1	5	7
12:30	0	0	0	3	3
12:45	0	0	0	3	3
13:00	0	0	0	0	0
13:15	0	0	1	2	3
13:30	0	0	0	1	1
13:45	0	0	0	3	3
14:00	0	0	0	0	0
14:15	0	0	0	3	3
14:30	1	0	0	4	5
14:45	0	0	0	0	0
15:00	0	0	0	3	3
15:15	0	0	0	2	2
15:30	0	0	1	0	1
15:45	0	0	0	3	3
16:00	0	0	1	1	2
16:15	0	0	0	0	0
16:30	0	0	0	0	0
16:45	0	0	0	0	0
17:00	0	0	0	0	0
17:15	0	0	1	0	1
17:30	0	0	0	0	0
17:45	0	0	1	0	1
18:00	0	0	0	2	2
18:15	0	0	0	1	1
18:30	0	0	1	1	2
18:45	0	0	0	1	1
19:00	0	0	2	1	3
19:15 19:30	0	0	1	1	2
19:30	0	0	0	0	0
20:00			1	6	6 4
20:00	1	0	0	0	1
20:30	0	0	1	1	2
20:45	0	0	1	0	1
21:00	0	0	1	3	4
21:15	0	0	0	1	1
21:30	0	0	0	0	0
21:45	0	0	1	4	5
22:00	0	0	0	2	2
22:15	0	0	0	2	2
22:30	0	0	0	4	4
22:45	0	0	0	5	5
23:00	0	0	0	2	2
23:15	0	0	0	3	3
23:30	0	0	0	3	3
23:45	0	0	0	0	0
TOTAL	6	0	32	112	147
IOIAL	J	J	32	112	±→/

		Exiting						
	Pass	Large						
	Veh	2 Axle	3 Axle	4+ Axle	Total			
12:00	0	0	0	1	1			
12:15	0	0	0	5	5			
12:30	0	0	0	2	2			
12:45	0	0	3	5	8			
13:00	1	0	0	0	1			
13:15	0	0	1	1	2			
13:30	0	0	0	2	2			
13:45	0	0	0	2	2			
14:00	0	0	1	2	3			
14:15	1	0	0	1	2			
14:30	0	0	1	1	2			
14:45	0	0	0	1	1			
15:00	0	0	1	3	4			
15:15	0	0	0	1	1			
15:30	0	0	0	1	1			
15:45	1	0	0	0	1			
16:00	2	0	0	2	4			
16:15	0	0	1	0	1			
16:30	0	0	0	0	0			
16:45	0	0	0	1	1			
17:00	0	0	0	0	0			
17:15	0	0	1	0	1			
17:30	0	0	1	1	2			
17:45	0	0	0	0	0			
18:00	0	0	0	2	2			
18:15	0	0	2	0	2			
18:30	0	0	0	0	0			
18:45	0	0	0	4	4			
19:00	0	0	0	1	1			
19:15	0	0	1	2	3			
19:30	0	0	0	1	1			
19:45	0	0	0	1	1			
20:00	0	0	1	1	2			
20:15	0	0	1	3	4			
20:30	0	0	0	1	1			
20:45	0	0	4	0	4			
21:00	0	0	1	2	3			
21:15	0	0	0	2	2			
21:30	0	0	0	1	1			
21:45	0	0	1	2	3			
22:00	0	0	0	4	4			
22:15	0	0	0	0	0			
22:30	0	0	0	1	1			
22:45	0	0	3	3	6			
23:00	0	0	0	3	3			
23:15	0	0	3	2	5			
23:30	0	0	0	3	3			
23:45	0	0	0	0	0			

0

38

100

146

Attachment No. 12b

GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT HEALTH RISK ASSESSMENT ANALYSIS

City of Santa Fe Springs

January 21, 2022



GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT HEALTH RISK ASSESSMENT ANALYSIS

City of Santa Fe Springs

January 21, 2022

prepared by Katie Wilson, MS



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EXECUTIVE SUMMARY

The purpose of this health risk assessment analysis is to provide an assessment of the impacts resulting from the operation of the proposed Greenstone Avenue Industrial Development project and to identify measures that may be necessary to reduce potentially significant impacts.

Cancer and Non-Cancer-Related Health Risk Impacts

The analysis contained in this report shows that none of the existing sensitive receptors, within the vicinity of the proposed Greenstone Avenue Industrial Development project, would be exposed to a cancer risk in excess of 10 in a million from diesel particulate matter (DPM) mobile source emissions from the operation of the project. Impacts are considered to be less than significant. No mitigation is required.

The operational health risk impacts for non-cancer related impacts are less than 1.0; therefore, they are also considered to be less significant. No mitigation is required.



1. INTRODUCTION AND SETTING

This section describes the purpose of this health risk assessment, project location, proposed development, and study area. Figure 1 shows the project location map and Figure 2 illustrates the project site plan.

PURPOSE AND OBJECTIVES

This study was performed to address the possibility of cancer and non-cancer risk from project-related mobile source diesel emissions. The objectives of the study include:

- discussion of the cancer risk thresholds of significance
- analysis of the operations related cancer risk from diesel emissions
- recommendations for mitigation measures

The City of Santa Fe Springs is the lead agency for this health risk assessment, in accordance with the California Environmental Quality Act authorizing legislation. Although this is a technical report, every effort has been made to write the report clearly and concisely. To assist the reader with terms unique to air quality, a definition of terms has been provided in Appendix A.

PROJECT LOCATION

The approximately 6.63-acre project site is located at 11401 Greenstone Avenue in the City of Santa Fe Springs, California. The project site is currently being used as a truck trailer parking facility and is occupied by J.B. Hunt Transportation Services, Inc.

Surrounding land uses include: a distribution use, TwinMed, LLC., to the north, a manufacturing use, Maruichi American Corp., to the south, Rio Hondo Fire Academy is located across Greenstone Avenue to the east, and a railroad right-of-way and an industrial use, Kelly Pipe Co., is located to the west. A vicinity map showing the project location is provided on Figure 1.

PROJECT DESCRIPTION

The proposed project involves the removal of an existing office and a maintenance building associated with J.B. Hunt Transportation Services and the construction of a new 144,434 square foot warehouse building that would include a 6,958 square foot mezzanine. Of this total floor area, 134,995 square feet would include warehouse space, 5,421 square feet of office space, and 4,018 square feet of storage space. A total of 16 dock high loading doors will be provided along the building's north elevation. A total of 205 parking spaces will be provided for employees and visitors. Access to the site will be provided by two, 40-foot-wide driveway connections with the west side of Greenstone Avenue. Figure 2 illustrates the proposed site plan.

PHASING AND TIMING

Per the *Traffic Impact Study Warehouse Development 11401 Greenstone Avenue* (Patrick Lang, April 2021), the proposed project is anticipated to be operational in 2022.

SENSITIVE RECEPTORS IN PROJECT VICINITY

Sensitive receptors include residential land uses, schools, day care centers, and other places where people reside, including prisons. The nearest sensitive receptors to the project site are: the residential neighborhoods located approximately 950 feet to the east, on the east side of Shoemaker Road. Cedar Street Homes (an assisted living facility) and Homes for Life (a non-profit that provides permanent housing for the homeless and mentally ill) are located over 1,000 feet to the west of the site, on the west side of Bloomfield Avenue.





Figure 1
Project Location Map



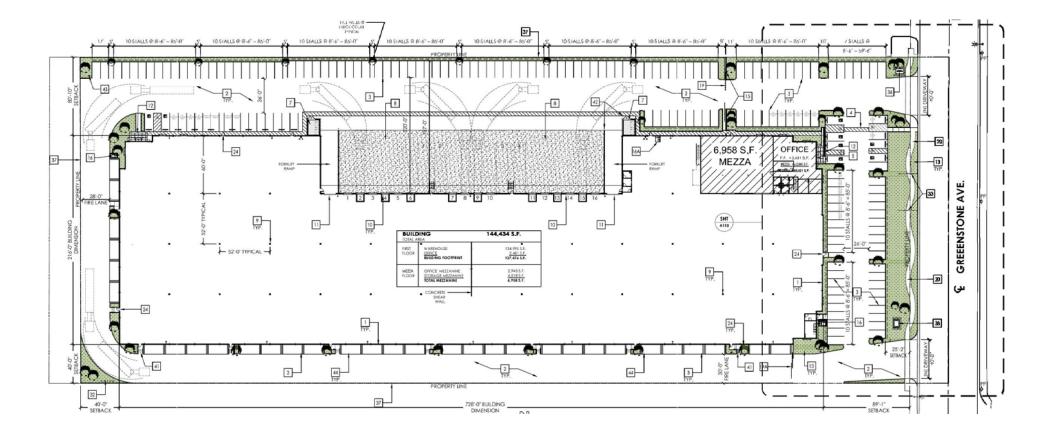




Figure 2 Site Plan



POLLUTANTS AND REGULATORY SETTING

POLLUTANTS

Pollutants are generally classified as either criteria pollutants or non-criteria pollutants. Federal ambient air quality standards have been established for criteria pollutants, whereas no ambient standards have been established for non-criteria pollutants. For some criteria pollutants, separate standards have been set for different periods. Most standards have been set to protect public health. For some pollutants, standards have been based on other values (such as protection of crops, protection of materials, or avoidance of nuisance conditions). A summary of federal and state ambient air quality standards is provided in the Regulatory Framework section.

Toxic Air Contaminants

In addition to the above-listed criteria pollutants, toxic air contaminants (TACs) are another group of pollutants of concern. Sources of toxic air contaminants include industrial processes such as petroleum refining and chrome plating operations, commercial operations such as gasoline stations and dry cleaners, and motor vehicle exhaust. Cars and trucks release at least forty different toxic air contaminants. The most important of these toxic air contaminants, in terms of health risk, are diesel particulates, benzene, formaldehyde, 1,3butadiene, and acetaldehyde. Public exposure to toxic air contaminants can result from emissions from normal operations as well as from accidental releases. Health effects of toxic air contaminants include cancer, birth defects, neurological damage, and death.

Toxic air contaminants are less pervasive in the urban atmosphere than criteria air pollutants, however they are linked to short-term (acute) or long-term (chronic or carcinogenic) adverse human health effects. There are hundreds of different types of toxic air contaminants with varying degrees of toxicity. Sources of toxic air contaminants include industrial processes, commercial operations (e.g., gasoline stations and dry cleaners), and motor vehicle exhaust.

According to the 2013 California Almanac of Emissions and Air Quality, the majority of the estimated health risk from toxic air contaminants can be attributed to relatively few compounds, the most important of which is diesel particulate matter (DPM). Diesel particulate matter is a subset of PM2.5 because the size of diesel particles are typically 2.5 microns and smaller. The identification of diesel particulate matter as a toxic air contaminant in 1998 led the California Air Resources Board (CARB) to adopt the Risk Reduction Plan to Reduce Particulate Matter Emissions from Diesel-fueled Engines and Vehicles in September 2000. The plan's goals are a 75-percent reduction in diesel particulate matter by 2010 and an 85-percent reduction by 2020 from the 2000 baseline. Diesel engines emit a complex mixture of air pollutants, composed of gaseous and solid material. The visible emissions in diesel exhaust are known as particulate matter or PM, which includes carbon particles or "soot". Diesel exhaust also contains a variety of harmful gases and over 40 other cancercausing substances. California's identification of diesel particulate matter as a toxic air contaminant was based on its potential to cause cancer, premature deaths, and other health problems. Exposure to diesel particulate matter is a health hazard, particularly to children whose lungs are still developing and the elderly who may have other serious health problems. Overall, diesel engine emissions are responsible for the majority of California's potential airborne cancer risk from combustion sources.

The California Air Resources Board (CARB) have monitoring networks that measure ambient concentrations of certain TACs that are associated with important health-related effects and are present in appreciable concentrations in the area. The CARB publishes annual Statewide, air basin, and location-specific summaries of the concentration levels of several TACs and their resulting cancer risks¹. The most recent summary is the CARB Air Quality Almanac for 2013 (CARB 2013). The Almanac presents the relevant concentration and

¹ Cancer risk is expressed as a probability of an individual out of a population of one million contracting cancer via a continuous exposure to TACs over a 30-year lifetime.



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cancer risk data for the ten TACs that pose the most substantial health risk in California based on available data. These TACs are: acetaldehyde, benzene, 1,3-butadiene, carbon tetrachloride, hexavalent chromium, para-dichlorobenzene, formaldehyde, methylene chloride, and perchloroethylene. DPM is not directly measured but is indirectly estimated based on fine particulate matter measurements and special studies on the chemical speciation of ambient fine particulate data along with receptor modeling techniques. CARB showed that Diesel PM emissions decreased 37 percent from 2000 to 2010 primarily as a result of more stringent emissions standards and the introduction of cleaner burning diesel fuel. Emissions from diesel mobile sources are projected to continue to decrease after 2010. Overall, statewide emissions are forecasted to decline by 71 per cent between 2000 and 2035. CARB estimates that 78 percent of the known statewide cancer risks are from the top 10 outdoor air toxics in addition to DPM.

Estimates of total cancer risk Statewide have shown a steady decline from the early 1990s when the cancer risk from DPM was estimated to be 1,696 in one million. By the year 2000, the cancer risk was estimated to be 1,005 in one million or a reduction of 41 percent. Reductions in cancer risk are expected to continue into the future as new emission controls are implemented that further reduce DPM emissions, the major component of the total airborne cancer risk. Table 1 provides this summary of TACs and health risk information from the ARB Annual Toxic Summary for the most recent three-year period, 2018-2020 for the Los Angeles – North Main Street air monitoring station, the closest air monitoring station to the project site with recent data, located approximately 13.5 miles northwest of the project site. The cancer risk attributable to the non-DPM chemicals (i.e., the 10 TACs measured by the ARB described above where data from two or more years were available) have also shown reductions at the Los Angeles – North Main Street location. For example, the health risk associated with acetaldehyde exposure declined from an estimated cancer risk of 16 in one million in 2018, to 13 in one million in 2019.

According to the SCAQMD's MATES-V study, the project area has an estimated, ambient cancer risk of 522 in one million. In comparison, the average cancer risk for Los Angeles County is 424 in one million. This increased cancer risk is largely due to the proximity to the Union Pacific Railroad rail line and the I-5 and I-605 freeways.

<u>Asbestos</u>

Asbestos is listed as a TAC by the CARB and as a Hazardous Air Pollutant by the United States Environmental Protection Agency (EPA). Asbestos occurs naturally in mineral formations and crushing or breaking these rocks, through construction or other means, can release asbestiform fibers into the air. Asbestos emissions can result from the sale or use of asbestos-containing materials, road surfacing with such materials, grading activities, and surface mining. The risk of disease is dependent upon the intensity and duration of exposure. When inhaled, asbestos fibers may remain in the lungs and with time may be linked to such diseases as asbestosis, lung cancer, and mesothelioma. Naturally occurring asbestos is not present in Los Angeles County. The nearest likely locations of naturally occurring asbestos, as identified in the <u>General Location Guide for Ultramafic Rocks in California</u> prepared by the California Division of Mines and Geology, is located in is located at Asbestos Mountain in the San Jacinto Valley; approximately 94 miles southeast of the site. Due to the distance to the nearest natural occurrences of asbestos, the project site is not likely to contain asbestos

REGULATORY SETTING

The proposed project is addressed through the efforts of various international, federal, state, regional, and local government agencies. These agencies work jointly, as well as individually, to improve air quality through legislation, regulations, planning, policy making, education, and a variety of programs. The agencies responsible for improving the air quality are discussed below.

<u>Federal - United States Environmental Protection Agency (EPA)</u>

The EPA is responsible for setting and enforcing the National Ambient Air Quality Standards (NAAQS) for atmospheric pollutants. It regulates emission sources that are under the exclusive authority of the federal



government, such as aircraft, ships, and certain locomotives. The National Ambient Air Quality Standards (NAAQS) pollutants were identified using medical evidence.

As part of its enforcement responsibilities, the EPA requires each state with federal nonattainment areas to prepare and submit a State Implementation Plan (SIP) that demonstrates the means to attain the national standards. The State Implementation Plan (SIP) must integrate federal, state, and local components and regulations to identify specific measures to reduce pollution, using a combination of performance standards and market-based programs within the timeframe identified in the State Implementation Plan (SIP).

State - California Air Resources Board

The CARB, which is a part of the California Environmental Protection Agency, is responsible for the coordination and administration of both federal and state air pollution control programs within California. In this capacity, the CARB conducts research, sets the California Ambient Air Quality Standards (CAAQS), compiles emission inventories, develops suggested control measures, provides oversight of local programs, and prepares the State Implementation Plan (SIP). In addition, the CARB establishes emission standards for motor vehicles sold in California, consumer products (e.g., hairspray, aerosol paints, and barbeque lighter fluid), and various types of commercial equipment. It also sets fuel specifications to further reduce vehicular emissions.

CARB Airborne Toxic Control Measure to Limit Diesel-Fueled Commercial Motor Vehicle Idling adopts new section 2485 within Chapter 10, Article 1, Division 3, title 13 in the California Code of Regulations. The measure limits the idling of diesel vehicles (i.e., commercial trucks over 10,000 pounds) to reduce emissions of toxics and criteria pollutants. The driver of any vehicle subject to this section: (1) shall not idle the vehicle's primary diesel engine for greater than five minutes at any location; and (2) shall not idle a diesel-fueled auxiliary power system for more than five minutes to power a heater, air conditioner, or any ancillary equipment on the vehicle if it has a sleeper berth and the truck is located within 100 feet of a restricted area (homes and schools).

CARB Requirements to Reduce Idling Emissions from New and In-Use Trucks. Amendments were made to Title 13 in California Code of Regulations in Sections 1956.8, 2404, 2424, 2425, and 2485. The amendment states: "all new 2008 and subsequent model-year heavy-duty diesel engines shall be equipped with an engine shutdown system that automatically shuts down the engine after 300 seconds of continuous idling operation once the vehicle is stopped, the transmission is set to 'neutral' or 'park,' and the parking brake is engaged. If the parking brake is not engaged, then the engine shutdown system shall shut down the engine after 900 seconds of continuous idling operation once the vehicle is stopped and the transmission is set to 'neutral' or 'park.'" There are a few conditions where the engine shutdown system can be overridden to prevent engine damage. Any project trucks manufactured after 2008 would be consistent with this rule, which would ultimately reduce air emissions.

Statewide Truck and Bus Regulation (Regulation to Reduce Emissions of DPM, Oxides of Nitrogen and Other Criteria Pollutants, from In-Use Heavy-Duty Diesel-Fueled Vehicles, Title 13, California Code of Regulations, Section 2025). On December 12, 2008, the ARB approved this regulation to reduce emissions from existing on-road diesel trucks and buses operating in California. This regulation applies to all on-road heavy-duty diesel-fueled vehicles with a gross vehicle weight rating greater than 14,000 pounds, agricultural yard trucks with off-road certified engines, and certain diesel fueled shuttle vehicles of any gross vehicle weight rating. Out-of-state trucks and buses that operate in California are also subject. Under the regulation, older, heavier trucks (i.e., those with pre-2000-year engines and a gross vehicle weight rating greater than 26,000 pounds), are required to have installed a particulate matter filter and must be replaced with a 2010 engine between 2015 and 2020, depending on the model year. By 2015, all heavier pre-1994 trucks must be upgraded to 2010 engines and newer trucks are thereafter required to be replaced over the next eight years. Older, more polluting trucks are required to be replaced first, while trucks that already have relatively clean 2007-2009 engines are not required to be replaced until 2023. Lighter trucks (14,001-26,000 pounds) must adhere to a



similar schedule. Furthermore, nearly all trucks that are not required under the Truck and Bus Regulation to be replaced by 2015 were required to be upgraded with a particulate matter filter by that date.

The CARB is also responsible for regulations pertaining to toxic air contaminants. The Air Toxics "Hot Spots" Information and Assessment Act (AB 2588, 1987, Connelly) was enacted in 1987 as a means to establish a formal air toxics emission inventory risk quantification program. AB 2588, as amended, establishes a process that requires stationary sources to report the type and quantities of certain substances their facilities routinely release into the air basin. The data is ranked by high, intermediate, and low categories, which are determined by: the potency, toxicity, quantity, volume, and proximity of the facility to nearby receptors.

AB 617 Nonvehicular air pollution: criteria air pollutants and toxic air contaminants

This bill requires the state board to develop a uniform statewide system of annual reporting of emissions of criteria air pollutants and toxic air contaminants for use by certain categories of stationary sources. The bill requires those stationary sources to report their annual emissions of criteria air pollutants and toxic air contaminants, as specified. This bill required the state board, by October 1, 2018, to prepare a monitoring plan regarding technologies for monitoring criteria air pollutants and toxic air contaminants and the need for and benefits of additional community air monitoring systems, as defined. The bill requires the state board to select, based on the monitoring plan, the highest priority locations in the state for the deployment of community air monitoring systems. The bill requires an air district containing a selected location, by July 1, 2019, to deploy a system in the selected location. The bill would authorize the air district to require a stationary source that emits air pollutants in, or that materially affect, the selected location to deploy a fence-line monitoring system, as defined, or other specified real-time, on-site monitoring. The bill authorized the state board, by January 1, 2020, and annually thereafter, to select additional locations for the deployment of the systems. The bill would require air districts that have deployed a system to provide to the state board air quality data produced by the system. By increasing the duties of air districts, this bill would impose a statemandated local program. The bill requires the state board to publish the data on its Internet Web site.

Regional

The project site is located within the City of Santa Fe Springs, in Los Angeles County, which is part of the South Coast Air Basin (SCAB) that includes all of Orange County as well as the non-desert portions of Los Angeles, Riverside, and San Bernardino Counties. The South Coast Air Basin is located on a coastal plain with connecting broad valleys and low hills to the east. Regionally, the South Coast Air Basin is bounded by the Pacific Ocean to the southwest and high mountains to the east forming the inland perimeter.

SCAQMD

The SCAQMD is the agency principally responsible for comprehensive air pollution control in the South Coast Air Basin. To that end, as a regional agency, the SCAQMD works directly with the Southern California Association of Governments (SCAG), county transportation commissions, and local governments and cooperates actively with all federal and state agencies.

In addition to attaining and maintaining air quality standards set by State and Federal Governments, the District is also responsible for ensuring that toxic air pollutants do not pose a nuisance or significant health threat to the surrounding community. Every year, the State's Air Toxics Hot Spots program (AB 2588) requires the District to quantify and assess health risks from subject facilities to nearby residents, notify affected residents of significant risks, and to reduce those significant health risks to acceptable levels.

Health Risk Significant Thresholds

According to the SCAQMD CEQA Handbook, any project that has the potential to expose the public to toxic air contaminants in excess of the following thresholds would be considered to have a significant air quality impact:



- If the Maximum Incremental Cancer Risk (MICR) is 10 in one million or greater; or
- Toxic air contaminants from the proposed project would result in a Hazard Index increase of 1 or greater.

In order to determine if the proposed project may have a significant impact related to hazardous air pollutants (HAP), the Health Risk Assessment Guidance for analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis, (Diesel Analysis), prepared by SCAQMD, August 2003, recommends that if the proposed project is anticipated to create hazardous air pollutants through stationary sources or regular operations of diesel trucks on the project site, then the proximity of the nearest receptors to the source of the hazardous air pollutants and the toxicity of the hazardous air pollutants should be analyzed through a comprehensive facility-wide health risk assessment (HRA).

As determined in the California Building Industry Association v. Bay Area Air Quality Management District (2015) 62 Cal. 4th 369 (CBIA) case the California Supreme Court determined that CEQA does not generally require an impact analysis of the existing environmental conditions on the future residents of a proposed project and generally only requires an analysis of the proposed project's impact on the environment. However, the CBIA case also stated that when a proposed project brings development and people into an area already subject to specific hazards and the new development/people exacerbate the existing hazards, then CEQA requires an analysis of the hazards and the proposed project's effect in terms of increasing the risks related to those hazards. Regarding air quality hazards, TACs are defined as substances that may cause or contribute to an increase in deaths or in serious illness, or that may pose a present or potential hazard to human health. As such, if a proposed project would not exacerbate pre-existing hazards (e.g., TAC health risks) then an analysis of those hazards and the proposed project's effect on increasing those hazards is not required.

However, the project is an industrial warehouse and will be a source of operational toxic air contaminants; therefore, an HRA was conducted.



Table 1
TAC Concentration Levels and Associated Risks - Los Angeles - North Main Street

	Concentration ¹		Year	
TAC	Risk ²	2018	2019	2020
Acetaldehyde	Annual Average	1.100	0.860	ND
Acetalderryde	Health Risk	16	13	ND
Benzene	Annual Average	ID	0.259	ND
Delizerie	Health Risk	ID	67	ND
1,3-Butadiene	Annual Average	ID	0.044	ID
1,3-butadiene	Health Risk	ID	48	ID
Carbon Tetrachloride	Annual Average	ID	0.069	ID
Carbon retrachionde	Health Risk	ID	53	ID
Chromium, Hex	Annual Average	0.1	ID	ND
Cili offilialii, Flex	Health Risk	29	ND	ND
Para-Dichlorobenzene	Annual Average	ID	ID	ID
rai a-Dici iloi obelizerie	Health Risk	ID	ID	ID
Formaldehyde	Annual Average	3.730	2.950	ND
romaldenyde	Health Risk	78	62	ND
Methylene Chloride	Annual Average	ID	0.371	ID
Metriylerie Chioride	Health Risk	ID	4	ID
Perchloroethylene	Annual Average	ID	0.016	ID
reicilioi detriylerie	Health Risk	ID	2	ID
Diesel PM	Annual Average	No manifestina data analisha		
Diezei Liai	Health Risk		lo monitoring data availab	
Total Health Risk (without DP	M)	123	236	-

ND = no data reported; ID = insufficient data

Source: http://www.arb.ca.gov/adam/toxics/toxics.html (for Los Angeles - North Main Street, 1630 North Main Street Air Monitoring Station)

- 1. Concentrations for Hexavalent Chromium are expressed as ng/m3, and concentrations for Diesel PM are expressed as $\mu g/m3$. Concentrations for all other TACs are expressed as ppb.
- 2. Health Risk represents the number of excess cancer cases per million people based on a lifetime (30-year) exposure to the annual average concentration. Total Health Risk represents only those compounds listed in this table and only those with data for the year. There may be other significant compounds for which monitoring and/or health risk information is not available.



3. DIESEL EMISSIONS HEALTH RISK ASSESSMENT

The on-going operation of the proposed project would generate toxic air contaminant emissions from diesel truck emissions created by the on-going operations of the proposed project.

According to SCAQMD methodology, health effects from carcinogenic air toxics are usually described in terms of individual cancer risk. "Individual Cancer Risk" is the likelihood that a person exposed to concentrations of toxic air contaminants over a 30-year lifetime will contract cancer, based on the use of revised Office of Environmental Health Hazard Assessment (OEHHA) risk-assessment methodology.

A health risk assessment requires the completion and interaction of four general steps:

- (1) Quantify project-generated TAC emissions.
- (2) Identify nearby ground-level receptor locations that may be affected by the emissions (including any special sensitive receptor locations such as residences, schools, hospitals, convalescent homes, and daycare centers).
- (3) Perform air dispersion modeling analyses to estimate ambient pollutant concentrations at each receptor location using project TAC emissions and representative meteorological data to define the transport and dispersion of those emissions in the atmosphere.
- (4) Characterize and compare the calculated health risks with the applicable health risk significance thresholds.

EMISSIONS INVENTORY DEVELOPMENT

Important issues that affect the dispersion modeling include the following: (1) Model Selection, (2) Source Treatment, (3) Meteorological Data, and (4) Receptor Grid. Each of these issues is addressed below.

Emission Source Estimates - DPM for Motor Vehicles

DPM emissions from the various sources were calculated using information derived from the project description, and mobile source emission factors from the CARB EMFAC2021 emissions factor model. Truck mix information was obtained from the *Traffic Impact Study Warehouse Development 11401 Greenstone Avenue* (Patrick Lang, April 2021) ("TIA"). The project will be replacing an existing truck trailer parking facility run by J.B. Hunt Transportation Services, Inc. However, to be conservative, no reductions in the proposed project's vehicle/truck trips, from the elimination of this land use, were accounted for in this analysis.

Four pieces of information are required to generate the mobile source emissions from the proposed project:

- Number of vehicle trips for each component of the proposed project;
- Types of vehicles that access the proposed project (passenger car vs. heavy-duty truck and gasoline vs. diesel);
- The allocation of the vehicle trips to each building that comprises the proposed project; and
- Estimate of the vehicle emission factors for estimating exhaust and idling emissions.

Estimate of Vehicle Trips and Vehicle Types

The TIA showed the project is expected to generate approximately 251 (non-passenger car equivalents) vehicle trips per day. Of those vehicle trips, 200 are automobile round trips, 9 are 2-axle truck round trips, 11 are 3-axle truck round trips, and 31 are 4+-axle truck round trips per day. The total number of project ruck trips per day is 51.



Estimate of Emission Factors

The DPM emission factors for the various vehicle types were derived from the CARB EMFAC2021 mobile source emission model. The emissions factors were derived for Los Angeles County. Third trimester exposure used opening year (2022) emissions factors, 2-year factors (for infant exposure) reflect years 2023 and 2024, 14-year average factors (for child exposure during years 2-16) reflect emissions during the first 14 years of operation (2025 to 2038), the second 14 years of exposure (years 2039-2052) were used for assessment of exposure during years 16 to 30.

Emissions factors were estimated to establish the emissions generated while the vehicles travel off-site, along travel links from the entrance to the loading docks, and while idling at the loading dock during loading or unloading materials. All vehicles were assumed to travel on-site at a speed of 10 miles per hour. Off-site, the speeds along the roads were anticipated to average 35 miles per hour. Delivery vehicles were assumed to idle for a maximum of 15 minutes per vehicle per day (5 minutes per location: at the entrance and exit driveways and at the loading docks), in keeping with the CARB Air Toxic Control Measure (ATCM), which regulates truck idling time (CARB 2005). The four different sets of emissions factors used in this assessment are detailed in Table 2. It should be noted that the DPM emissions on both the gram per mile and gram per idle hour bases decline beyond 2022 for all vehicle classes and in particular the heavy-heavy-duty truck class (the 4+ axle "big rig" trucks). This is due to the CARB emissions' requirements on heavy-duty trucks that call for either the replacement of older trucks with cleaner trucks or the installation of diesel particulate matter filters on the truck fleet.

Emission Source Characterization

Each of the emission source types described above also requires geometrical and emission release specifications for use in the air dispersion model. An average truck height of 13.5 feet and average truck width of 8.5 feet were entered into the haul road calculator in AERMOD in order to calculate the plume height and release height for the line sources. Table 3 provides a summary of the assumptions used to configure the various emission sources. The following definitions are used to characterize the emission source geometrical configurations referred to in Table 3:

- Point source: A single, identifiable, local source of emissions; it is approximated in the AERMOD air dispersion model as a mathematical point in the modeling region with a location and emission characteristics such as height of release, temperature, etc., for example, a truck idle location where emissions are sourced from the truck's exhaust stack while the vehicle is stationary.
- Line source: A series of volume sources along a path, for example, vehicular traffic volumes along a roadway.

Figure 3 provides the location of the project buildings, emission source locations, and the locations of the nearest sensitive receptors (the residential neighborhoods located approximately 950 feet to the east, on the east side of Shoemaker Road and within the complex for Cedar Street Homes [an assisted living facility] and Homes for Life [a non-profit that provides permanent housing for the homeless and mentally ill] located over 1,000 feet to the west, on the west side of Bloomfield Avenue). Sensitive receptors are shown as orange triangles labeled 1 through 8. The direction of on-site and off-site truck travel was obtained from the site plan and the TIA.

RECEPTOR NETWORK

The assessment requires that a network of receptors be specified where the impacts can be computed at the various locations surrounding the project. Receptors were located at existing sensitive receptors surrounding the proposed project (as detailed above). In addition, the identified sensitive receptor locations were supplemented by the specification of a modeling grid that extended around the proposed project to identify



other potential locations of impact. As stated above, the locations of the receptors are shown as orange triangles on Figure 3.

DISPERSION MODELING

The next step in the assessment process utilizes the emissions inventory along with a mathematical air dispersion model and representative meteorological data to calculate impacts at the various receptor locations. The dispersion model used in this assessment is described below.

Model Selection

The assessment of air quality and health risk impacts from pollutant emissions from this project applied the USEPA AERMOD Model, which is the air dispersion model accepted by the SCAQMD for performing air quality impact analyses. AERMOD predicts pollutant concentrations from point, area, volume, line, and flare sources with variable emissions in terrain from flat to complex with the inclusion of building downwash effects from buildings on pollutant dispersion. It captures the essential atmospheric physical processes and provides reasonable estimates over a wide range of meteorological conditions and modeling scenarios. AERMOD View Version 10.2.1, EPA version No. 21112, was utilized for this analysis.

General Model Assumptions

A summary of Emission Configurations is shown in Table 3. The basic options used in the dispersion modeling are summarized in Table 4.

As indicated in Table 4 the analysis takes into account the effects of building downwash on the dispersion of emissions from the various sources located on the project's property. Building downwash occurs when the aerodynamic turbulence, induced by nearby buildings, causes pollutants emitted from an elevated source to be mixed rapidly toward the ground (downwash), resulting in potentially higher ground-level concentrations than if the buildings were not present. The AERMOD dispersion model contains algorithms to account for building downwash effects. The required information includes the location of the emission source; the location of adjacent buildings; and the building geometry in terms of length, width, and height. For purposes of this analysis, the emission source and building locations were taken from the project site plan. The proposed building geometries were estimated from the project plans, assuming a building height of 41 feet.

Meteorological Data

Meteorological data (processed with the ADJ_U option) from the Air District's Pico Rivera monitoring site was selected for this modeling application. Five full years of sequential meteorological data was collected at the site from January 1, 2012 to December 31, 2016 by the SCAQMD. The SCAQMD processed the data for input to the model. The data was obtained at SCAQMD's https://www.aqmd.gov/home/air-quality/air-quality-data-studies/meteorological-data/data-for-aermod (see Figure 4).

ESTIMATION OF HEALTH RISKS

Health risks from diesel particulate matter are twofold. First, diesel particulate matter is a carcinogen according to the State of California. Second, long-term chronic exposure to diesel particulate matter can cause health effects to the respiratory system. Each of these health risks is discussed below.

Cancer Risks

According to the Risk Assessment Guidelines: Guidance Manual for Preparation of Health Risk Assessments, released by the Office of Environmental Health Hazard Assessment (OEHHA) in February 2015 and formally



adopted in March 2015, the residential inhalation dose for cancer risk assessment should be calculated using the following formula:

[Dose-air (mg/(Kg-day)]*Cancer Potency*[1x10⁻⁶] = Potential Cancer Risk

Where:

Cancer Potency Factor = 1.1

Dose-inh = (C-air * DBR * A * EF * ED *ASF*FAH* 10-6) / AT

Where:

Cair [Concentration in air (μg/m³)] = (Calculated by AERMOD Model)

DBR [Daily breathing rate (L/kg body weight – day)] = 261 for adults, 572 for children, and 1,090 for infants, and 361 for 3rd trimester per SCAQMD Permit Application Package "N" Table 4.1 D guidance.

A [Inhalation absorption factor] = 1

EF [Exposure frequency (days/year)] = 350

ED [Exposure duration (years)] = 30 for adults (for an individual who is an adult at opening year), 14 for children (from 2-16 years), 14 for adults (from 16-30 years), 2 for infants, and 1 for 3rd Trimester

ASF [Age sensitivity factor) = 10 for 3rd trimester to 2 years of age, 3 for 2 to 16 years of age, and 1 for 16 to 30 years of age

FAH [Fraction of time spent at home] = 1 for 3rd trimester to 2 years of age, 1 for 2 to 16 years of age, and 0.73 for 16 to 30 years of age

10⁶ [Micrograms to milligrams conversion]

AT [Average time period over which exposure is averaged in days] = 25,550

The model run results are shown in Appendix B. Figure 5 illustrates the cancer risk to the most affected agegroup, infants (0-2 years).

Table 5 shows the cancer risk for the unborn child during the 3rd trimester, Table 6 shows the cancer risk to infants (0-2 years), Table 7 shows the cancer risk to children ages 2 to 16 years and Table 8 shows the cancer risk as that child becomes an adult (years 16-30). The highest cancer risk corresponds to infant cancer risk 0-2 years (see Table 6), and is at receptor 7, with a maximum risk of 0.079 in one million. The maximum 3rd trimester (0.25-year) cancer risk is at receptors 6 and 7; with a maximum cancer risk of 0.004 in a million. The highest child (2-16 years) cancer risk is at receptor 6; with a maximum risk of 0.072 in one million. Therefore, no children or infants are exposed to cancer risks in excess of 10 in a million.

The assessment of cancer-related health risk to sensitive receptors within the project vicinity is based on the following most-conservative scenario:

An unborn child in its 3rd trimester is potentially exposed to DPM emissions (via exposure of the mother) during the opening year. That child is born opening year and then remains at home for the entire first two years of life. From age 2 to 16, the child remains at home 100 percent of the time. From age 16 to 30, the child continues to live at home, growing into an adult that spends 73 percent of its time at home and lives there until age 30.

Based on the above, ultra-conservative assumptions, the 30.25-year, cumulative carcinogenic health risk (3rd trimester [-0.25 to 0 years] + infant [0-2 years] + child [2-16 years] + adult [16-30 years]) to an individual born during the opening year of the project and located in the project vicinity for the entire 30-year duration, is a maximum of 0.16 in a million at receptor location 6, as shown in Table 9. Therefore, as the maximum incremental cancer risk (MICR) does not exceed 10 in a million at any sensitive receptor location, the on-going operations of the proposed project would result in a less than significant impact due to the cancer risk from diesel emissions created by the proposed project.



Non-Cancer Risks

The relationship for non-cancer health effects is given by the equation:

HIDPM = CDPM/RELDPM

Where,

HIDPM = Hazard Index; an expression of the potential for non-cancer health effects.

CDPM = Annual average diesel particulate matter concentration in µg/m3.

RELDPM = Reference Exposure Level (REL) for diesel particulate matter; the diesel particulate

matter concentration at which no adverse health effects are anticipated.

The non-carcinogenic hazards to adult, child and infant receptors are also detailed in Tables 5 through 8 column (j). The RELDPM is 5 μ g/m3. The Office of Environmental Health Hazard Assessment as protective for the respiratory system has established this concentration. Using the maximum DPM concentration from years 2022-2053, the resulting Hazard Index is:

HIDPM = 0.00031/5 = 0.0001

The criterion for significance is a Hazard Index increase of 1.0 or greater. Therefore, the on-going operations of the proposed project would result in a less than significant impact due to the non-cancer risk from diesel emissions created by the proposed project.



Table 2
DPM Emissions Factors for the Proposed Project

		1-Year Average (Opening Year-2022)							
Vehicle Class	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)						
Light Heavy Duty Truck 2	0.78107	0.06677	0.02624						
Medium Heavy Duty Truck	0.10383	0.05583	0.01346						
Heavy Heavy Duty Truck	0.01813	0.01835	0.01179						

		2-Year Average (2023-2024)						
Vehicle Class	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)					
Light Heavy Duty Truck 2	0.77826	0.05698	0.02283					
Medium Heavy Duty Truck	0.07974	0.04177	0.00967					
Heavy Heavy Duty Truck	0.01584	0.01237	0.00841					

	14-Year Average (First 14 years of Operation - 2025-2038)							
Vehicle Class	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)					
Light Heavy Duty Truck 2	0.77023	0.04042	0.01760					
Medium Heavy Duty Truck	0.02514	0.01351	0.00381					
Heavy Heavy Duty Truck	0.01168	0.00993	0.00674					

	14-Year A	14-Year Average (Second 14 years of Operation - 2039-2052)							
Vehicle Class	Idling (g/hr)	On-Site Travel (g/mi)	Off-Site Travel (g/mi)						
Light Heavy Duty Truck 2	0.76138	0.03575	0.01666						
Medium Heavy Duty Truck	0.00760	0.00339	0.00157						
Heavy Heavy Duty Truck	0.00978	0.00823	0.00566						

Source: EMFAC2021.



Table 3 Summary of Emission Configurations

Emission Source Type	Geometric Configuration	Relevant Assumptions
		Stack release height: 3.5 m
		Vehicle speed: 35 mph
Off-Site Diesel Truck Traffic	Line Sources	Length of the line source (north along Greenstone Avenue from northern Project Driveway to Lakeland Road, east on Lakeland Road, north on Shoemaker Avenue and east/west along Florence Avenue and south along Greenstone Avenue from southern Project Driveway to Sunshine Avenue, east on Sunshine Avenue, south on Shoemaker Avenue and east/west along Imperial Highway)
		Vehicle types: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2021
	Line Sources	Stack release height: 3.5 m
		Vehicle speed: 10 mph
On-Site Diesel Truck Traffic		Length of the line source (distance from the northern facility entrance/exit on Greenstone Avenue to southern facility entrance/exit on Greenstone Avenue)
Traffic		Vehicle types: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2021
		Stack release height: 3.5 m
		Stack release characteristics
		> Stack diameter: 0.1 meter (0.3 feet)
On-Site	Point Sources located at	> Stack velocity: 51.9 mps (170 feet/sec)
Diesel Truck Idling	loading dock and entrance/exits on-site.	> Stack temperature: 366 °k (200° F)
idiling	entrance/exits on site.	Idle time: 15 minutes per truck per day
		Vehicle types: heavy-heavy-duty, medium-heavy-duty and light-heavy-duty diesel delivery trucks
		Emission factor: CARB EMFAC2021



Table 4
General Modeling Assumptions - AERMOD Model

Feature	Option Selected
Terrain processing	AERMAP - NED GEOTIFF 30 m
Emission source configuration	See Table 3
Regulatory dispersion options	Default
Land use	Urban
Coordinate system	UTM, Zone 11 north
Building downwash	Included in calculations
Receptor height	O meters above ground (per OEHHA methodology)
Meteorological data	SCAQMD Pico Rivera Meteorological Data



Table 5
Carcinogenic Risks and Non-Carcinogenic 3rd Trimester Exposure Scenario (0.25-Year)

					Carcinogenic Hazards		Nonc	Noncarcinogenic Hazards		
Receptor	Maximum C	oncentration	Weight		CPF	RISK (per	REL	RfD		
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)	million)	(ug/m3)	(mg/kg/day)	Index	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	0.00023	2.3E-07	1.00E+00	DPM	1.1E+00	0.003	5.0E+00	1.4E-03	0.0000	
2	0.00017	1.7E-07	1.00E+00	DPM	1.1E+00	0.002	5.0E+00	1.4E-03	0.0000	
3	0.00018	1.8E-07	1.00E+00	DPM	1.1E+00	0.002	5.0E+00	1.4E-03	0.0000	
4	0.00019	1.9E-07	1.00E+00	DPM	1.1E+00	0.003	5.0E+00	1.4E-03	0.0000	
5	0.00023	2.3E-07	1.00E+00	DPM	1.1E+00	0.003	5.0E+00	1.4E-03	0.0000	
6	0.00026	2.6E-07	1.00E+00	DPM	1.1E+00	0.004	5.0E+00	1.4E-03	0.0001	
7	0.00031	3.1E-07	1.00E+00	DPM	1.1E+00	0.004	5.0E+00	1.4E-03	0.0001	
8	0.00013	1.3E-07	1.00E+00	DPM	1.1E+00	0.002	5.0E+00	1.4E-03	0.0000	

OEHHA 95th percentile Exposure factors used to calculate TAC intake:

Exposure Frequency (days/year)	350
Exposure Duration (years)	0.25
Daily Breathing Rate	361
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time _(cancer) (days)	25550
Averaging Time (non-cancer) (days)	91.25

 $E=10^{X}$, i.e. $E-02=10^{-2}$



Table 6
Carcinogenic Risks and Non-Carcinogenic Infant Exposure Scenario (2-Year)

					Carcinogenic Hazards		Nonc	arcinogenic Ha	zards
Receptor	Maximum Co	oncentration	Weight		CPF	RISK (per	REL	RfD	
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)	million)	(ug/m3)	(mg/kg/day)	Index
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)
1	0.00021	2.1E-07	1.00E+00	DPM	1.1E+00	0.069	5.0E+00	1.4E-03	0.0000
2	0.00016	1.6E-07	1.00E+00	DPM	1.1E+00	0.053	5.0E+00	1.4E-03	0.0000
3	0.00016	1.6E-07	1.00E+00	DPM	1.1E+00	0.053	5.0E+00	1.4E-03	0.0000
4	0.00017	1.7E-07	1.00E+00	DPM	1.1E+00	0.056	5.0E+00	1.4E-03	0.0000
5	0.00021	2.1E-07	1.00E+00	DPM	1.1E+00	0.069	5.0E+00	1.4E-03	0.0000
6	0.00023	2.3E-07	1.00E+00	DPM	1.1E+00	0.076	5.0E+00	1.4E-03	0.0000
7	0.00024	2.4E-07	1.00E+00	DPM	1.1E+00	0.079	5.0E+00	1.4E-03	0.0000
8	0.0001	1.9E-04	1.00E+00	DPM	1.1E+00	0.033	5.0E+00	1.4E-03	0.0000

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	2
Daily Breathing Rate	1090
Age Sensitivity Factor	10
Fraction of Time At Home (FAH)	1
Averaging Time (cancer) (days)	25550
Averaging Time (non-cancer) (days)	730

 $E = 10^{X}$, i.e. $E - 02 = 10^{-2}$



Table 7
Carcinogenic Risks and Non-Carcinogenic Child Exposure Scenario (2-16 Years)

					Carcinoger	Carcinogenic Hazards		Noncarcinogenic Hazards		
Receptor	Maximum C	oncentration	Weight		CPF	RISK (per	REL	RfD		
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)	million)	(ug/m3)	(mg/kg/day)	Index	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	0.00018	1.8E-07	1.00E+00	DPM	1.1E+00	0.065	5.0E+00	1.4E-03	0.0000	
2	0.00013	1.3E-07	1.00E+00	DPM	1.1E+00	0.047	5.0E+00	1.4E-03	0.0000	
3	0.00013	1.3E-07	1.00E+00	DPM	1.1E+00	0.047	5.0E+00	1.4E-03	0.0000	
4	0.00014	1.4E-07	1.00E+00	DPM	1.1E+00	0.051	5.0E+00	1.4E-03	0.0000	
5	0.00017	1.7E-07	1.00E+00	DPM	1.1E+00	0.062	5.0E+00	1.4E-03	0.0000	
6	0.0002	2.0E-07	1.00E+00	DPM	1.1E+00	0.072	5.0E+00	1.4E-03	0.0000	
7	0.00018	1.8E-07	1.00E+00	DPM	1.1E+00	0.065	5.0E+00	1.4E-03	0.0000	
8	0.00008	8.0E-08	1.00E+00	DPM	1.1E+00	0.029	5.0E+00	1.4E-03	0.0000	

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	572
Age Sensitivity Factor	3
Fraction of Time At Home (FAH)	1
Averaging Time (cancer) (days)	25550
Averaging Time (non-cancer) (days)	5110

 $E = 10^{X}$, i.e. $E - 02 = 10^{-2}$



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Table 8
Carcinogenic Risks and Non-Carcinogenic Hazards Adult Exposure Scenario (16-30 Years)

	Maximum				Carcinoger	nic Hazards	Noncarcinogenic Hazards			
Receptor	Concer	ntration	Weight		CPF	RISK (per	REL	RfD		
ID	(ug/m3)	(mg/m3)	Fraction	Contaminant	(mg/kg/day)	million)	(ug/m3)	(mg/kg/day)	Index	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	
1	0.00017	1.7E-07	1.00E+00	DPM	1.1E+00	0.007	5.0E+00	1.4E-03	0.0000	
2	0.00017	1.7E-07	1.00E+00	DPM	1.1E+00	0.007	5.0E+00	1.4E-03	0.0000	
3	0.00012	1.2E-07	1.00E+00	DPM	1.1E+00	0.005	5.0E+00	1.4E-03	0.0000	
4	0.00013	1.3E-07	1.00E+00	DPM	1.1E+00	0.005	5.0E+00	1.4E-03	0.0000	
5	0.00015	1.5E-07	1.00E+00	DPM	1.1E+00	0.006	5.0E+00	1.4E-03	0.0000	
6	0.00018	1.8E-07	1.00E+00	DPM	1.1E+00	0.007	5.0E+00	1.4E-03	0.0000	
7	0.00005	5.0E-08	1.00E+00	DPM	1.1E+00	0.002	5.0E+00	1.4E-03	0.0000	
8	0.00007	7.0E-08	1.00E+00	DPM	1.1E+00	0.003	5.0E+00	1.4E-03	0.0000	

OEHHA 95th percentile Exposure factors used to calculate TAC intake

Exposure Frequency (days/year)	350
Exposure Duration (years)	14
Daily Breathing Rate	261
Age Sensitivity Factor	1
Fraction of Time At Home (FAH)	0.73
Averaging Time (cancer) (days)	25550
Averaging Time (non-cancer) (days)	5110

 $E = 10^{X}$, i.e. $E - 02 = 10^{-2}$



Table 9
Cumulative Carcinogenic Risk 30.25-Year Exposure Scenario

Receptor ID	Cumulative RISK (per million)
1	0.14
2	0.11
3	0.11
4	0.11
5	0.14
6	0.16
7	0.15
8	0.07











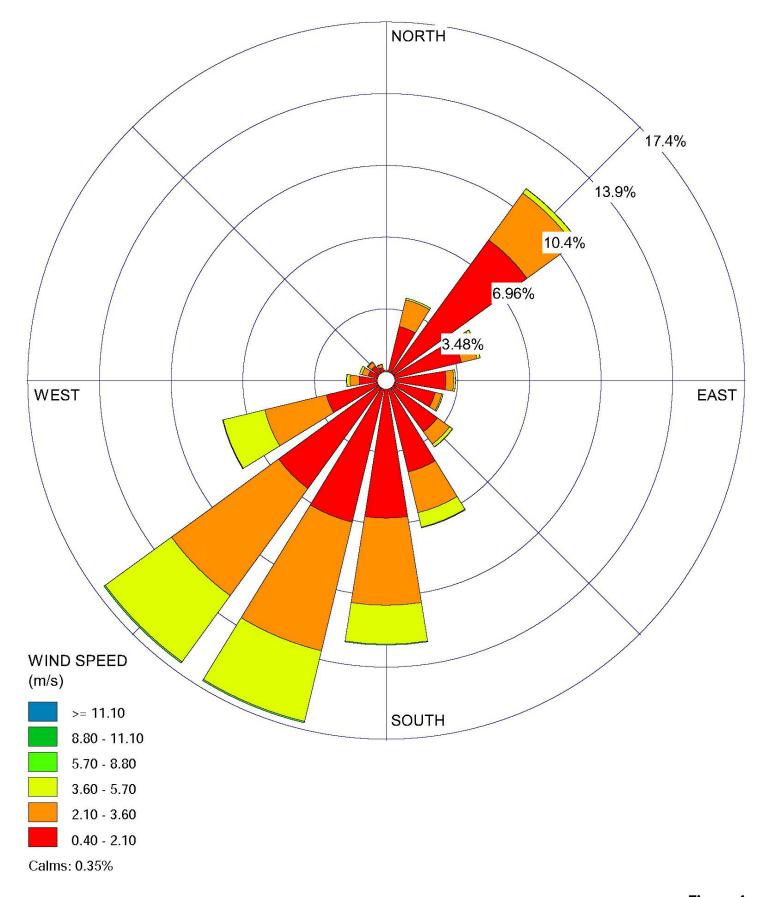
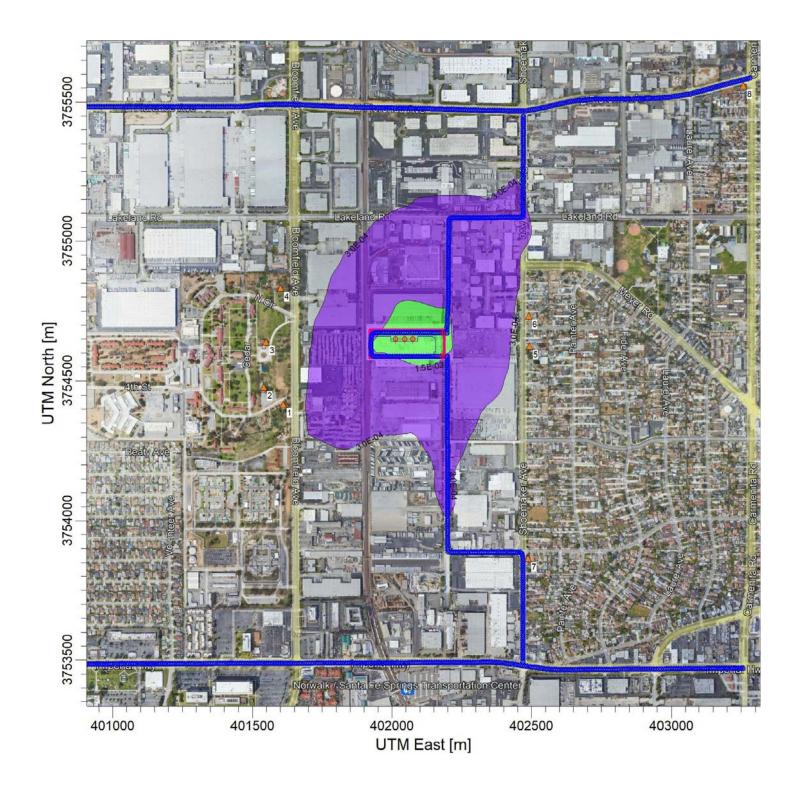


Figure 4 Wind Rose, Pico Rivera







Legend

Cancer Risk to Infants 0-2 Years

2 in a million

1 in a million

0.5 in a million

0.1 in a million

Figure 5 Modeled Study Area Highest Cancer Risk from Annual DPM Emissions



4. MITIGATION MEASURES

OPERATIONAL MEASURES

Health risk impacts are less than significant. No operational mitigation is required.



5. REFERENCES

California Air Pollution Control Officers Association

2009 Health Risk Assessments for Proposed Land Use Projects

California Air Resources Board

- 2008 Resolution 08-43
- 2008 Airborne Toxic Control Measure for in-use Diesel-Fueled Transport Refrigeration Units (TRU) and TRU Generator Sets, Section 2477 of Division 3, Chapter 9, Title 13, California Code of Regulations
- 2008 ARB Recommended Interim Risk Management Policy for Inhalation-Based Residential Cancer Risk Frequently Asked Questions
- 2013 Almanac of Emissions and Air Quality.
 Source: https://www.arb.ca.gov/aqd/almanac/almanac13/almanac13.htm

Lang, Patrick B.

2021 Traffic Impact Study Warehouse Development 11401 Greenstone Avenue. April.

Office of Environmental Health Hazard Assessment

2015 Air Toxics Hot Spots Program Risk Assessment Guidelines

South Coast Air Quality Management District

- 2003 Health Risk Assessment Guidance for Analyzing Cancer Risks from Mobile Source Diesel Idling Emissions for CEQA Air Quality Analysis
- 2021 Final MATES-V Multiple Air Toxics Exposure Study in the South Coast Air Basin. August.

U.S. Geological Survey

2011 Reported Historic Asbestos Mines, Historic Asbestos Prospects, and Other Natural Occurrences of Asbestos in California



APPENDICES

Appendix A Glossary
Appendix B AERMOD Model Printouts



APPENDIX A

GLOSSARY

AQMP Air Quality Management Plan
BACT Best Available Control Technologies
CAAQS California Ambient Air Quality Standards
California Environmental Protection Agency

CARB California Air Resources Board CCAA California Clean Air Act

CCAR California Climate Action Registry
CEQA California Environmental Quality Act

CFCs Chlorofluorocarbons

CH₄ Methane

CNG Compressed natural gas
CO Carbon monoxide
CO₂ Carbon dioxide

CO₂e Carbon dioxide equivalent

DPM East Kern Air Pollution Control District

EKAPCD Diesel particulate matter

EPA U.S. Environmental Protection Agency

GHG Greenhouse gas

GWP Global warming potential

HIDPM Hazard Index Diesel Particulate Matter

HFCs Hydrofluorocarbons

IPCC International Panel on Climate Change

LCFS Low Carbon Fuel Standard LST Localized Significant Thresholds

MTCO₂e Metric tons of carbon dioxide equivalent MMTCO₂e Million metric tons of carbon dioxide equivalent

MPO Metropolitan Planning Organization
NAAQS National Ambient Air Quality Standards

NOx Nitrogen Oxides
NO2 Nitrogen dioxide
N2O Nitrous oxide

OEHHA Office of Environmental Health Hazard Assessment

Ozo

О3

OPR Governor's Office of Planning and Research

PFCs Perfluorocarbons
PM Particle matter

PM10 Particles that are less than 10 micrometers in diameter PM2.5 Particles that are less than 2.5 micrometers in diameter

PMI Point of maximum impact

PPM Parts per million
PPB Parts per billion
SF6 Sulfur hexafluoride
SIP State Implementation Plan

SCAQMD South Coast Air Quality Managment District

SOx Sulfur Oxides

TAC Toxic air contaminants
VOC Volatile organic compounds

APPENDIX B AERMOD MODEL PRINTOUTS

Emission Assumptions

DPM

Emissions

19471 Greenstone Warehouse

Facility Operations

Buildout year: 2022 (per Traffic Impact Study Warehouse Development 11401 Greenstone Avenue (Patrick Lang, April 2021).)

Emission Factors

1) Onsite Vehicle Emissions

a) Truck

(1) EMFAC2021 - PM2.5 used as surrogate for DPM

(a) Annual Meteorology

Temperature: 50 degF Relative Humidity: 50%

(b) Calculations for Los Angeles County

(c) Truck Mix

4+ axle heavy-heavy duty diesel trucks (HHDT)

4 axle diesel trucks (MHDT) 2 axle diesel trucks (LHDT2)

(d) Onsite Truck Travel Speed: 10 mph (e) Off-site Truck Travel Speed: 35 mph

(f) Idle speed: 0 mph

(g) Truck Idle time: 15 minutes per truck per day

2) Other Parameters

(a) Width of Truck Source: 8.5 feet

(b) Truck Operational Schedule 24 hours/day

(c) Height of Truck:
13.5 feet
(d) Release Height:
3.5 meters

19471 Greenstone Warehouse		Emission:	DPM									
1347 i Greenstone warenouse		Lillission.	DEIVI									
Dun anna an Mardala d		Duild and	2000									
Processes Modeled		Build-out:	2022									
Onsite delivery traffic												
Truck idling												
Offsite delivery traffic												
	1	1	1	Ì	1	ı	1	1	1			
Facilities in Operation								L				
Location Project Site	Truck type HHDT	Daily trucks 31	(per	Traffic Impact Study V	Varehouse Developr	nent 11401 Greenst	one Avenue (Pat	trick Lang, April 2	021).			
Project Site	MHDT	11										
Project Site	LHDT2	9										
Total		51										
Delivery Schedule:												
Delivery Ochedule.	24	hrs/day, 52 weeks	/vear									
	_				1	_						
Emission Factors 1 Year (2022)	Onsite	Offsite										
Vahiala Class	Exhaust	Exhaust	Idle									
Vehicle Class HHDT	(g/mi) 0.01835	(g/mi) 0.01179	(g/hr) 0.01813									
MHDT	0.05583	0.01179	0.10383									
LHDT2	0.06677	0.02624	0.78107									
		1	1		1	1	1	1	1			
Onsite Roadway Links Modeled												
						Daily Emissions	Emissions	Emissions	Daily	Annual Avg	Total Daily Emissions for all	
Link	Truck Type	Emission Factor (g/mi)	Trips per day (in and out)	Length (m)	Length (mi)	Over the Link (g/day)	Over the Link (g/sec)	Over Link (lb/hr)	Emissions (lbs/day)	Emissions Over Link (tons/yr)	Vehicles (g/sec)	
Northern Project Driveway to Southern Project Driveway	HHDT	0.01835	31	592.5	0.37	2.09E-01	2.42E-06	1.66E+00	4.61E-04	8.42E-05	(g/222)	
Northern Project Driveway to Southern Project Driveway	MHDT	0.05583	11	592.5	0.37	2.26E-01	2.62E-06	1.79E+00	4.98E-04	9.09E-05	7 605 06	100% of trucks
	LHDT2	0.06677	9	592.5	0.37	2.21E-01	2.56E-06	1.75E+00	4.87E-04	8.89E-05	7.002-00	100 % Of trucks
Northern Project Driveway to Southern Project Driveway	LIIDIZ	0.00077	9	392.3	0.37	2.21E-01	2.30E-00	1.73E+00	4.67E-04	0.09E-03		
					'			•		1	1	1
Truck Idling	Idle time	15	minutes									
						Max Hourly	Max Hourly	Total Daily	Total			
		Emission Factor	Idling Time		Total Emissions	Emissions	Emissions	Emissions	Emissions	Total Emissions		
Building/Location	Truck Type	(g/idle-hour)	(min)	Daily Trucks	(g/day)	(g/sec)	(lb/hr)	(lbs/day)	(tons/yr)	(tons/yr)		
At loading docks & entrance/exit driveways At loading docks & entrance/exit driveways	HHDT MHDT	0.01813 0.10383	15 15	31 11	0.14 0.29	1.63E-06 3.30E-06	1.29E-05 2.62E-05	3.09E-04 6.29E-04	5.65E-05 1.15E-04		2.53E-05	
At loading docks & entrance/exit driveways At loading docks & entrance/exit driveways	LHDT2	0.78107	15	9	1.76	2.03E-05	1.61E-04	3.87E-03	7.06E-04		5.05E-06	per idling location
-												(5 total)
	1	,		1		1						
Offsite Roadway Links Modeled												
						Daile Emissions	Funianiana	Max Hourly Emissions	Daile	Annual Avg		
		Emission Factor				Daily Emissions Over the Link	Emissions Over the Link	Over Link	Daily Emissions	Emissions Over		
Link	Truck Type	(g/mi)	Trips per day	Length (m)	Length (mi)	(g/day)	(g/sec)	(lb/hr)	(lbs/day)	Link (tons/yr)		
Northbound offsite truck traffic to Florence Ave	HHDT	0.01179	31	1041.4	0.65	2.37E-01	2.74E-06	1.88E+00	5.21E-04	9.51E-05	50% of trucks	
Northbound offsite truck traffic to Florence Ave	MHDT	0.01346	11 9	1041.4 1041.4	0.65	9.58E-02	1.11E-06	7.60E-01	2.11E-04	3.85E-05	2.81E-06	
Northbound offsite truck traffic to Florence Ave	LHDT2	0.02624	9	1041.4	0.65	1.53E-01	1.77E-06	1.21E+00	3.37E-04	6.14E-05		
Southbound offsite truck traffic to Imperial Hwy	HHDT	0.01179	31	1353.9	0.84	3.08E-01	3.56E-06	2.44E+00	6.77E-04	1.24E-04	50% of trucks	
Southbound offsite truck traffic to Imperial Hwy	MHDT	0.01346	11	1353.9	0.84	1.25E-01	1.44E-06	9.88E-01	2.74E-04	5.01E-05	3.65E-06	
Southbound offsite truck traffic to Imperial Hwy	LHDT2	0.02624	9	1353.9	0.84	1.99E-01	2.30E-06	1.58E+00	4.38E-04	7.98E-05		
East and West along Imperial Hwy	HHDT	0.01179	31	2414.3	1.50	5.48E-01	6.35E-06	4.35E+00	1.21E-03	2.20E-04	25% of trucks	
East and West along Imperial Hwy East and West along Imperial Hwy	MHDT	0.01179	11	2414.3	1.50	2.22E-01	2.57E-06	4.35E+00 1.76E+00	4.89E-04	8.93E-05	3.25E-06	
East and West along Imperial Hwy	LHDT2	0.02624	9	2414.3	1.50	3.54E-01	4.10E-06	2.81E+00	7.80E-04	1.42E-04	5.252-00	
East and West along Florence Avenue	HHDT	0.01179	31	2453	1.52	5.57E-01	6.45E-06	4.42E+00	1.23E-03	2.24E-04	25% of trucks	
East and West along Florence Avenue East and West along Florence Avenue	MHDT LHDT2	0.01346 0.02624	11	2453 2453	1.52 1.52	2.26E-01 3.60E-01	2.61E-06 4.17E-06	1.79E+00 2.85E+00	4.97E-04 7.93E-04	9.07E-05 1.45E-04	3.31E-06	
Last and West along Florence Avenue	LIIDIZ	0.02024	9	2400	1.02	3.00E-01	4.17E-00	2.00ET00	1.53E-U4	1.43E-04		
1	1	1				1	1	1	1	1	1	i

19471 Greenstone Warehouse		Emission:	DPM									
Processes Modeled		Build-out:	2022									
Onsite delivery traffic												
Truck idling												
Offsite delivery traffic												
,												
			'									
Escilities in Operation												
Facilities in Operation												
Location	Truck type	Daily trucks	(per	Traffic Impact Study V	Varehouse Developn	nent 11401 Greensto	one Avenue (Pati	ick Lang, April 20	021).			
Project Site	HHDT	31										
Project Site	MHDT	11										
Project Site	LHDT2	9										
Total		51										
B.P Och . I I												
Delivery Schedule:												
	24	hrs/day, 52weeks/	/ear									
	1					1						
= 1 1 = 1 av (00000000000000000000000000000000000	1		1			1	ı		ı			
Emission Factors 2 Year (2023&2024)	Onsite	Offsite										
	Exhaust	Exhaust	ldle									
Vehicle Class	<u>(g/mi)</u>	<u>(g/mi)</u>	<u>(g/hr)</u>									
HHDT	0.01237	0.00841	0.01584									
MHDT	0.04177	0.00967	0.07974									
LHDT2	0.05698	0.02283	0.77826									
			,									
Onsite Roadway Links Modeled												
Olisite Roadway Liliks Modeled											Total Daily	
		Fusianian Fantan	Taine and desc			Daily Emissions	Emissions	Emissions Over Link	Daily	Annual Avg Emissions Over	Emissions for all	
Link	Truck Type	Emission Factor	Trips per day (in and out)	Length (m)	Length (mi)	Over the Link (g/day)	Over the Link	(lb/hr)	Emissions (lbs/day)	Link (tons/yr)	Vehicles (g/sec)	
Link		(g/mi)					(g/sec)				venicles (g/sec)	
Northern Project Driveway to Southern Project Driveway	HHDT	0.01237	31	592.5	0.37	1.41E-01	1.63E-06	1.12E+00	3.11E-04	5.68E-05		
Northern Project Driveway to Southern Project Driveway	MHDT	0.04177	11	592.5	0.37	1.69E-01	1.96E-06	1.34E+00	3.73E-04	6.80E-05	5.78E-06	100% of trucks
Northern Project Driveway to Southern Project Driveway	LHDT2	0.05698	9	592.5	0.37	1.89E-01	2.18E-06	1.50E+00	4.16E-04	7.59E-05		
Horatem roject Silveray to occurrent roject Silveray	2.1.0.12	0.00000	ŭ	002.0	0.07	1.002 01	2.102 00	1.002 00		7.002 00		
	1					1	ı		l	1		
Tours de latina es												
Truck Idling	Idle time	15	minutes									
						Max Hourly	Max Hourly	Total Daily	Total			
D. 11 P 11 P	T	Emission Factor	Idling Time	B. W. T	Total Emissions	Emissions	Emissions	Emissions	Emissions	Total Emissions		
Building/Location At loading docks & entrance/exit driveways	Truck Type HHDT	(g/idle-hour) 0.01584	(min) 15	Daily Trucks 31	(g/day) 0.12	(g/sec)	(lb/hr)	(lbs/day) 2.70E-04	(tons/yr) 4.94E-05	(tons/yr)		
At loading docks & entrance/exit driveways At loading docks & entrance/exit driveways	וטחחו											
At loading docks & chitalice/exit driveways	MHDT					1.42E-06	1.13E-05				2.42E-05	
At loading docks & entrance/exit driveways	MHDT LHDT2	0.07974	15	11	0.22	2.54E-06	2.01E-05	4.83E-04	8.81E-05		2.42E-05 4.85E-06	ner idling location
At loading docks & entrance/exit driveways	MHDT LHDT2										2.42E-05 4.85E-06	per idling location
At loading docks & entrance/exit driveways		0.07974	15	11	0.22	2.54E-06	2.01E-05	4.83E-04	8.81E-05			per idling location (5 total)
		0.07974	15	11	0.22	2.54E-06	2.01E-05	4.83E-04	8.81E-05			
At loading docks & entrance/exit driveways Offsite Roadway Links Modeled		0.07974	15	11	0.22	2.54E-06	2.01E-05	4.83E-04 3.86E-03	8.81E-05			
		0.07974	15	11	0.22	2.54E-06 2.03E-05	2.01E-05 1.61E-04	4.83E-04 3.86E-03	8.81E-05 7.04E-04			
		0.07974 0.77826	15	11	0.22	2.54E-06 2.03E-05 Daily Emissions	2.01E-05 1.61E-04 Emissions	4.83E-04 3.86E-03 Max Hourly Emissions	8.81E-05 7.04E-04 Daily	Annual Avg		
Offsite Roadway Links Modeled	LHDT2	0.07974 0.77826 Emission Factor	15 15	11 9	0.22 1.75	2.54E-06 2.03E-05 Daily Emissions Over the Link	2.01E-05 1.61E-04 Emissions Over the Link	4.83E-04 3.86E-03 Max Hourly Emissions Over Link	8.81E-05 7.04E-04 Daily Emissions	Emissions Over		
Offsite Roadway Links Modeled	LHDT2 Truck Type	0.07974 0.77826 Emission Factor (g/mi)	15 15 Trips per day	11 9 Length (m)	0.22 1.75	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day)	2.01E-05 1.61E-04 Emissions Over the Link (g/sec)	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr)	8.81E-05 7.04E-04 Daily Emissions (lbs/day)	Emissions Over Link (tons/yr)	4.85E-06	
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave	Truck Type	0.07974 0.77826 Emission Factor (g/mi) 0.00841	15 15 Trips per day 31	11 9 Length (m) 1041.4	0.22 1.75 Length (mi) 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01	2.01E-05 1.61E-04 Emissions Over the Link (g/sec) 1.95E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00	Baily Emissions (lbs/day)	Emissions Over Link (tons/yr) 6.78E-05	4.85E-06	(5 total)
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave	Truck Type HHDT MHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967	15 15 15 Trips per day 31 11	11 9 Length (m) 1041.4 1041.4	0.22 1.75 Length (mi) 0.65 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01	8.81E-05 7.04E-04 Daily Emissions (lbs/day) 3.72E-04 1.52E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05	4.85E-06	(5 total)
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave	Truck Type	0.07974 0.77826 Emission Factor (g/mi) 0.00841	15 15 Trips per day 31	11 9 Length (m) 1041.4	0.22 1.75 Length (mi) 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01	2.01E-05 1.61E-04 Emissions Over the Link (g/sec) 1.95E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00	Baily Emissions (lbs/day)	Emissions Over Link (tons/yr) 6.78E-05	4.85E-06	(5 total)
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave	Truck Type HHDT MHDT LHDT2	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9	Length (m) 1041.4 1041.4 1041.4	0.22 1.75 Length (mi) 0.65 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01	2.01E-05 1.61E-04 Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05	4.85E-06 50% of trucks 2.14E-06	(5 total)
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Inperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9	Length (m) 1041.4 1041.4 1041.4	0.22 1.75 Length (mi) 0.65 0.65 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01	2.01E-05 1.61E-04 Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05	4.85E-06 50% of trucks 2.14E-06 50% of trucks	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT MHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9	11 9 Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9	0.22 1.75 Length (mi) 0.65 0.65 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06 2.54E-06 1.04E-06	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 1.97E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05	4.85E-06 50% of trucks 2.14E-06	(5 total)
Offsite Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Inperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9	Length (m) 1041.4 1041.4 1041.4	0.22 1.75 Length (mi) 0.65 0.65 0.65	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01	2.01E-05 1.61E-04 Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05	4.85E-06 50% of trucks 2.14E-06 50% of trucks	(5 total)
Cink Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT LHDT2	0.07974 0.77826 Emission Factor (g/ml) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9	Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06 2.54E-06 2.00E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.74E+00 7.09E-01 1.37E+00	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 1.97E-04 3.81E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05	50% of trucks 2.14E-06 50% of trucks 2.79E-06	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Inperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT HHDT HHDT HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9 31 11 9	Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01	Emissions Over the Link (g/sec) 1.54E-06 2.54E-06 2.00E-06 4.53E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00	B.81E-05 7.04E-04 Daily Emissions (lbs/day) 1.52E-04 2.93E-04 4.83E-04 1.97E-04 3.81E-04 8.62E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05	50% of trucks 2.14E-06 50% of trucks 2.79E-06	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy East and West along Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 LHDT2 HHDT LHDT2 HHDT MHDT LHDT2	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.00283	15 15 15 Trips per day 31 11 9 31 11 9	Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84 1.50	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01 1.60E-01	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06 2.00E-06 4.53E-06 1.85E-06	4.83E-04 3.86E-03 Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00 1.26E+00	Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 3.81E-04 8.62E-04 3.51E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05 1.57E-04 6.41E-05	50% of trucks 2.14E-06 50% of trucks 2.79E-06	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy East and West along Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT HHDT HHDT HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9 31 11 9	Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01	Emissions Over the Link (g/sec) 1.54E-06 2.54E-06 2.00E-06 4.53E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00	B.81E-05 7.04E-04 Daily Emissions (lbs/day) 1.52E-04 2.93E-04 4.83E-04 1.97E-04 3.81E-04 8.62E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05	50% of trucks 2.14E-06 50% of trucks 2.79E-06	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Inperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT LHDT2	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9 31 11 9	11 9 Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84 1.50 1.50	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01 3.91E-01 1.60E-01 3.08E-01	Emissions Over the Link (g/sec) 1.54E-06 7.96E-07 1.54E-06 2.54E-06 2.00E-06 4.53E-06 3.57E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00 2.44E+00	B.81E-05 7.04E-04 Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 1.97E-04 3.81E-04 8.62E-04 3.51E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05 1.57E-04 6.41E-05 1.24E-04	50% of trucks 2.14E-06 50% of trucks 2.79E-06 2.49E-06	(5 total)
Consiste Roadway Links Modeled Link Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Florence Ave Northbound offsite truck traffic to Inperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT HHDT HHDT HHDT HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9 31 11 9 31 11 9	Length (m) 1041.4 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3 2414.3 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84 1.50 1.50	Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01 1.60E-01 3.08E-01	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06 2.04E-06 2.00E-06 4.53E-06 1.85E-06 3.57E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00 2.44E+00 3.15E+00	Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 3.81E-04 8.62E-04 3.51E-04 8.75E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 3.60E-05 6.95E-05 1.57E-04 6.41E-05 1.24E-04	50% of trucks 2.14E-06 50% of trucks 2.79E-06 2.49E-06	(5 total)
Cink Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy East and West along Imperial Hwy East and West along Imperial Hwy East and West along Florence Avenue East and West along Florence Avenue East and West along Florence Avenue	Truck Type HHDT MHDT LHDT2 HHDT LHDT2 HHDT LHDT2 HHDT LHDT2 HHDT LHDT2 HHDT MHDT LHDT2 HHDT MHDT LHDT2	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283 0.00841 0.00967	15 15 15 15 Trips per day 31 11 9 31 11 9 31 11 9	11 9 Length (m) 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3 2414.3 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84 1.50 1.50 1.50	2.54E-06 2.03E-05 Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01 3.91E-01 3.08E-01 3.08E-01	Emissions Over the Link (g/sec) 1.54E-06 7.96E-07 1.54E-06 2.00E-06 4.53E-06 3.57E-06 4.60E-06 1.88E-06	Max Hourly Emissions Over Link (Ib/In) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00 2.44E+00 3.15E+00 1.29E+00	B.81E-05 7.04E-04 Daily Emissions (ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 3.81E-04 6.79E-04 3.57E-04 3.57E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05 1.57E-04 6.41E-05 1.24E-04	50% of trucks 2.14E-06 50% of trucks 2.79E-06 2.49E-06	(5 total)
Cink Link Northbound offsite truck traffic to Florence Ave Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy East and West along Florence Avenue	Truck Type HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT MHDT LHDT2 HHDT HHDT HHDT HHDT HHDT	0.07974 0.77826 Emission Factor (g/mi) 0.00841 0.00967 0.02283 0.00841 0.00967 0.02283	15 15 15 Trips per day 31 11 9 31 11 9 31 11 9	Length (m) 1041.4 1041.4 1041.4 1041.4 1353.9 1353.9 1353.9 2414.3 2414.3 2414.3	0.22 1.75 Length (mi) 0.65 0.65 0.65 0.84 0.84 0.84 1.50 1.50	Daily Emissions Over the Link (g/day) 1.69E-01 6.88E-02 1.33E-01 2.19E-01 8.95E-02 1.73E-01 1.60E-01 3.08E-01	Emissions Over the Link (g/sec) 1.95E-06 7.96E-07 1.54E-06 2.04E-06 2.00E-06 4.53E-06 1.85E-06 3.57E-06	Max Hourly Emissions Over Link (lb/hr) 1.34E+00 5.46E-01 1.05E+00 1.74E+00 7.09E-01 1.37E+00 3.10E+00 2.44E+00 3.15E+00	Daily Emissions (Ibs/day) 3.72E-04 1.52E-04 2.93E-04 4.83E-04 3.81E-04 8.62E-04 3.51E-04 8.75E-04	Emissions Over Link (tons/yr) 6.78E-05 2.77E-05 5.34E-05 8.82E-05 3.60E-05 6.95E-05 1.57E-04 6.41E-05 1.24E-04	50% of trucks 2.14E-06 50% of trucks 2.79E-06 2.49E-06	(5 total)

19471 Greenstone Warehouse		Emission:	DPM									
Dragges Madeled		Duild out	2022									
Processes Modeled		Build-out:	2022									
One-ite delicement-offic												
Onsite delivery traffic Truck idling												
Offsite delivery traffic												
Onsite delivery traine												
				l e	1	1	1	•				
Facilities in Operation												
Location	Truck type	Daily trucks	(ner	Traffic Impact Study V	Warahausa Davalan	mont 11401 Groonst	one Avenue (Pat	rick Lang April 2	021)			
Project Site	HHDT	31	(рег	Trainc impact Study v	varenouse Developi	nent 11401 Greenst	one Avenue (i ai	illok Larry, April 2	021).			
Project Site	MHDT	11										
Project Site	LHDT2	9										
Total		51										
Delivery Schedule:												
	24	hrs/day, 52weeks/	year		1				-			
Emission Easters 44 Veer 2025 2020	0	Official	I			1	1	1				
Emission Factors 14 Year 2025-2038	Onsite	Offsite	- الم		1			1				
Vehicle Class	Exhaust	Exhaust (g/mi)	Idle		1	-	-	1	1			
Vehicle Class HHDT	(g/mi) 0.00993	(g/mi) 0.00674	(g/hr) 0.01168		+			 	-			
MHDT	0.00993	0.00381	0.02514		1			 				
LHDT2	0.04042	0.01760	0.77023									
2.10.12	0.01012	0.01700	0.77020									
	1	·		·	•	·		•	•			
Onsite Roadway Links Modeled												
Offsite Roadway Liftks Modeled						Daily Emissions	Fusianiana	Funicalisms	Deile	Ammunal Aum	Total Daily	
		Emission Factor	Trips per day			Daily Emissions Over the Link	Emissions Over the Link	Emissions Over Link	Daily Emissions	Annual Avg Emissions Over	Emissions for all	
Link	Truck Type	(g/mi)	(in and out)	Length (m)	Length (mi)	(g/day)	(g/sec)	(lb/hr)	(lbs/day)	Link (tons/yr)	Vehicles (g/sec)	
Northern Project Driveway to Southern Project Driveway	HHDT	0.00993	31	592.5	0.37	1.13E-01	1.31E-06	8.98E-01	2.50E-04	4.55E-05	James (grace)	
											2.405.00	1000/ - 11
Northern Project Driveway to Southern Project Driveway	MHDT	0.01351	11	592.5	0.37	5.47E-02	6.33E-07	4.34E-01	1.21E-04	2.20E-05	3.49E-06	100% of trucks
Northern Project Driveway to Southern Project Driveway	LHDT2	0.04042	9	592.5	0.37	1.34E-01	1.55E-06	1.06E+00	2.95E-04	5.38E-05		
	1	1	ı	ı	1	1	1			1	1	1
Tour ale I allies es												
Truck Idling	Idle time	15	minutes									
						May Haynby	Man Handy	Tatal Daile	Total			
		Emission Factor	Idling Time		Total Emissions	Max Hourly Emissions	Max Hourly Emissions	Total Daily Emissions	Emissions	Total Emissions		
Building/Location	Truck Type	(g/idle-hour)	(min)	Daily Trucks	(g/day)	(g/sec)	(lb/hr)	(lbs/day)	(tons/yr)	(tons/yr)		
At loading docks & entrance/exit driveways	HHDT	0.01168	15	31	0.09	1.05E-06	8.31E-06	1.99E-04	3.64E-05	(**************************************		
At loading docks & entrance/exit driveways	MHDT	0.02514	15	11	0.07	8.00E-07	6.34E-06	1.52E-04	2.78E-05		2.19E-05	
At loading docks & entrance/exit driveways	LHDT2	0.77023	15	9	1.73	2.01E-05	1.59E-04	3.82E-03	6.97E-04		4.38E-06	per idling location
								l				(5 total)
0"" " " " " " " " " " " " " " " " " " "	1	1	I		1		1	1	1			
Offsite Roadway Links Modeled					1							
								Max Hourly				
		Fusionian Footon				Daily Emissions Over the Link	Emissions	Emissions	Daily	Annual Avg		
Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	(g/day)	Over the Link (g/sec)	Over Link (lb/hr)	Emissions (lbs/day)	Emissions Over Link (tons/yr)		
Northbound offsite truck traffic to Florence Ave	HHDT	0.00674	31	1041.4	0.65	1.35E-01	1.56E-06	1.07E+00	2.98E-04	5.43E-05	50% of trucks	
Northbound offsite truck traffic to Florence Ave	MHDT	0.00381	11	1041.4	0.65	2.71E-02	3.14E-07	2.15E-01	5.97E-05	1.09E-05	1.53E-06	;
Northbound offsite truck traffic to Florence Ave	LHDT2	0.01760	9	1041.4	0.65	1.02E-01	1.19E-06	8.13E-01	2.26E-04	4.12E-05		
Southbound offsite truck traffic to Imperial Hwy	HHDT	0.00674	31	1353.9	0.84	1.76E-01	2.03E-06	1.39E+00	3.87E-04	7.06E-05	50% of trucks	
Southbound offsite truck traffic to Imperial Hwy	MHDT	0.00381	11	1353.9	0.84	3.53E-02	4.08E-07	2.80E-01	7.77E-05	1.42E-05	1.99E-06	1
Southbound offsite truck traffic to Imperial Hwy	LHDT2	0.01760	9	1353.9	0.84	1.33E-01	1.54E-06	1.06E+00	2.94E-04	5.36E-05		
						0.45= -:	0.00=	0.40=		4.05= - :	0.000	
East and West along Imperial Hwy	HHDT	0.00674	31	2414.3	1.50	3.13E-01	3.62E-06	2.48E+00	6.90E-04	1.26E-04	25% of trucks	
East and West along Imperial Hwy	MHDT	0.00381	11	2414.3	1.50	6.29E-02	7.28E-07	4.99E-01	1.39E-04	2.53E-05	1.78E-06	1
East and West along Imperial Hwy	LHDT2	0.01760	9	2414.3	1.50	2.38E-01	2.75E-06	1.88E+00	5.23E-04	9.55E-05		
Fact and West slave Flavours A	HHDT	0.00674	24	2453	1.52	3.18E-01	3.68E-06	2.52E+00	7.01E-04	1.28E-04	25% of trucks	
East and West along Florence Avenue East and West along Florence Avenue	MHDT	0.00674	31 11	2453	1.52	6.39E-02	7.40E-07	5.07E-01	7.01E-04 1.41E-04	1.28E-04 2.57E-05	25% of trucks 1.80E-06	
East and West along Florence Avenue East and West along Florence Avenue	LHDT2	0.00381	9	2453	1.52	2.41E-01	2.79E-06	1.91E+00	5.32E-04	9.70E-05	1.00E-06	
East and Treat along Florence Avenue	-11012	0.01700	3	2-100	1.02	2.712-01	2.7 JL-00	1.512100	0.02L-04	5.7 SE-05		
<u> </u>	+	1			1	+		1	1		+	1

10474 Croonstone Warehouse		Emission	DDM		1							
19471 Greenstone Warehouse		Emission:	DPM									
		5										
Processes Modeled		Build-out:	2022									
Oneite deliver terffic												
Onsite delivery traffic Truck idling					+							
Offsite delivery traffic					+							
,												
	1					1	ı	ı				
Facilities in Operation												
Location Project Site	Truck type HHDT	Daily trucks 31	(per	Traffic Impact Study V	Varehouse Developm	nent 11401 Greensto	one Avenue (Pat I	rick Lang, April 2 I	021).			
Project Site	MHDT	11			+							
Project Site	LHDT2	9			+							
Total		51			+							
Delivery Schedule:					+							
zoniony zoniouano.	24	hrs/day, 52weeks/	year		+							
Emission Fostons 44 V 0000 0000	1 0 "	0""				1	I					
Emission Factors 14 Year 2039-2052	Onsite	Offsite	Idia		+							
Vehicle Class	Exhaust (g/mi)	Exhaust (g/mi)	Idle (g/hr)		+					1		
HHDT	0.00823	0.00566	0.00978		+							
MHDT	0.00339	0.00157	0.00760									
LHDT2	0.03575	0.01666	0.76138									
									l			
						I			1			
Onsite Roadway Links Modeled												
Olisite Roadway Liliks Modeled					+	Daily Emissions	Emissions	Emissions	Daily	Annual Avg	Total Daily	
		Emission Factor	Trips per day			Over the Link	Over the Link	Over Link	Emissions	Emissions Over	Emissions for all	
Link	Truck Type	(g/mi)	(in and out)	Length (m)	Length (mi)	(g/day)	(g/sec)	(lb/hr)	(lbs/day)	Link (tons/yr)	Vehicles (g/sec)	
Northern Project Driveway to Southern Project Driveway	HHDT	0.00823	31	592.5	0.37	9.40E-02	1.09E-06	7.45E-01	2.07E-04	3.78E-05		
Northern Project Driveway to Southern Project Driveway	MHDT	0.00339	11	592.5	0.37	1.37E-02	1.59E-07	1.09E-01	3.02E-05	5.52E-06	2.62E-06	100% of trucks
Northern Project Driveway to Southern Project Driveway	LHDT2	0.03575	9	592.5	0.37	1.18E-01	1.37E-06	9.39E-01	2.61E-04	4.76E-05		
	T				1	1	I	I	I			
Truck Idling	Idle time	15	minutes									
		Foots at an Estate of	1-11' T '		Tatal Factorian	Max Hourly	Max Hourly	Total Daily	Total	Tatal Foots days		
Building/Location	Truck Type	Emission Factor (g/idle-hour)	Idling Time (min)	Daily Trucks	Total Emissions (g/day)	Emissions (g/sec)	Emissions (lb/hr)	Emissions (lbs/day)	Emissions (tons/yr)	Total Emissions (tons/yr)		
At loading docks & entrance/exit driveways	HHDT	0.00978	15	31	0.08	8.77E-07	6.95E-06	1.67E-04	3.05E-05	(
At loading docks & entrance/exit driveways	MHDT	0.00760	15	11	0.02	2.42E-07	1.92E-06	4.60E-05	8.40E-06		2.09E-05	
At loading docks & entrance/exit driveways	LHDT2	0.76138	15	9	1.71	1.98E-05	1.57E-04	3.77E-03	6.89E-04		4.19E-06	per idling location (5 total)
						1	I	I	1			(3 total)
Offsite Roadway Links Modeled												
•								Max Hourly				
						Daily Emissions	Emissions	Emissions	Daily	Annual Avg		
Link	Truck Type	Emission Factor (g/mi)	Trips per day	Length (m)	Length (mi)	Over the Link (g/day)	Over the Link (g/sec)	Over Link (lb/hr)	Emissions (lbs/day)	Emissions Over Link (tons/yr)		
Northbound offsite truck traffic to Florence Ave	HHDT	0.00566	31	1041.4	0.65	1.14E-01	1.31E-06	9.01E-01	2.50E-04	4.57E-05	50% of trucks	
Northbound offsite truck traffic to Florence Ave	MHDT	0.00157	11	1041.4	0.65	1.12E-02	1.29E-07	8.87E-02	2.46E-05	4.49E-06	1.28E-06	
Northbound offsite truck traffic to Florence Ave	LHDT2	0.01666	9	1041.4	0.65	9.70E-02	1.12E-06	7.69E-01	2.14E-04	3.90E-05		
	LILIDT	0.00500	24	4050.0	001	4.405.04	4 745 00	4.475.00	2.055.04	F 045 05	F00/ -ft !	
Southbound offsite truck traffic to Imperial Hwy Southbound offsite truck traffic to Imperial Hwy	HHDT MHDT	0.00566 0.00157	31 11	1353.9 1353.9	0.84 0.84	1.48E-01 1.45E-02	1.71E-06 1.68E-07	1.17E+00 1.15E-01	3.25E-04 3.20E-05	5.94E-05 5.84E-06	50% of trucks 6.68E-08	
Southbound offsite truck traffic to Imperial Hwy	LHDT2	0.01666	9	1353.9	0.84	1.26E-01	1.46E-06	1.00E+00	2.78E-04	5.07E-05	0.002-00	
, ,												
East and West along Imperial Hwy	HHDT	0.00566	31	2414.3	1.50	2.63E-01	3.05E-06	2.09E+00	5.80E-04	1.06E-04	25% of trucks	·
East and West along Imperial Hwy East and West along Imperial Hwy	MHDT LHDT2	0.00157 0.01666	11 9	2414.3 2414.3	1.50 1.50	2.59E-02 2.25E-01	3.00E-07 2.60E-06	2.06E-01 1.78E+00	5.71E-05 4.95E-04	1.04E-05 9.04E-05	1.49E-06	
Last and west along impenal mwy	LIDIZ	0.01000	3	2414.3	1.50	2.2JE-U I	2.00E-00	1.70ETUU	4.7JE-U4	8.04E-03		
East and West along Florence Avenue	HHDT	0.00566	31	2453	1.52	2.68E-01	3.10E-06	2.12E+00	5.89E-04	1.08E-04	25% of trucks	
East and West along Florence Avenue	MHDT	0.00157	11	2453	1.52	2.63E-02	3.05E-07	2.09E-01	5.80E-05	1.06E-05	1.51E-06	
East and West along Florence Avenue	LHDT2	0.01666	9	2453	1.52	2.29E-01	2.64E-06	1.81E+00	5.03E-04	9.19E-05		
					+							

Арх-9

```
** Lakes Environmental AERMOD MPI
**********
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/20/2022
** File: C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.ADI
**********
**********
** AERMOD Control Pathway
***********
* *
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
  TITLETWO 19471 Greenstone DPM Conc OY 2022
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Greenstone OY.err"
CO FINISHED
***********
** AERMOD Source Pathway
**********
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION STCK1 POINT 402181.270 3754671.540
                                                       44.810
** DESCRSRC Entrance/exit idling location
                           402180.356 3754589.018
                                                       44.040
  LOCATION STCK2
                POINT
** DESCRSRC Entrance/exit idling location
                POINT 402012.458 3754650.448
  LOCATION STCK3
                                                       44.270
** DESCRSRC Loading dock idling
  LOCATION STCK4 POINT
                             402045.826 3754650.588
                                                       44.470
** DESCRSRC Loading dock idling
                            402074.447 3754650.588
  LOCATION STCK5
                 POINT
                                                       44.550
** DESCRSRC Loading dock idling
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-site truck travel
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** PREFTX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 7.6E-06
** Elevated
** Building Height = 12.50
** SZINIT = 5.81
** Nodes = 9
** 402184.200, 3754671.918, 44.66, 3.50, 4.00
** 401933.856, 3754672.185, 43.63, 3.50, 4.00
** 401928.507, 3754665.766, 43.41, 3.50, 4.00
** 401925.565, 3754654.800, 43.07, 3.50, 4.00
** 401924.763, 3754628.589, 42.91, 3.50, 4.00
** 401925.833, 3754594.889, 42.48, 3.50, 4.00
** 401929.042, 3754590.075, 42.44, 3.50, 4.00
** 401936.264, 3754586.598, 43.42, 3.50, 4.00
** 402185.003, 3754587.935, 43.91, 3.50, 4.00
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                        VOLUME
                                402179.905 3754671.923 44.82
  LOCATION L0002554
                        VOLUME
                                 402171.314 3754671.932 44.94
  LOCATION L0002555
                        VOLUME
                                 402162.723 3754671.941 44.95
                        VOLUME
  LOCATION L0002556
                                 402154.133 3754671.950 44.89
  LOCATION L0002557
                        VOLUME
                                 402145.542 3754671.959 44.83
                        VOLUME
                                 402136.951 3754671.969 44.81
  LOCATION L0002558
  LOCATION L0002559
                        VOLUME
                                 402128.360 3754671.978 44.81
  LOCATION L0002560
                        VOLUME
                                 402119.769 3754671.987 44.81
                                 402111.179 3754671.996 44.75
  LOCATION L0002561
                        VOLUME
  LOCATION L0002562
                        VOLUME
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  LOCATION L0002563
                        VOLUME
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  LOCATION L0002564
                        VOLUME
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                        VOLUME
                                 402076.815 3754672.033 44.56
  LOCATION L0002565
                                 402068.225 3754672.042 44.60
  LOCATION L0002566
                        VOLUME
  LOCATION L0002567
                        VOLUME
                                 402059.634 3754672.051 44.59
  LOCATION L0002568
                        VOLUME
                                 402051.043 3754672.060 44.55
  LOCATION L0002569
                        VOLUME
                                 402042.452 3754672.069 44.51
  LOCATION L0002570
                        VOLUME
                                 402033.862 3754672.079 44.45
  LOCATION L0002571
                        VOLUME
                                 402025.271 3754672.088 44.37
  LOCATION L0002572
                        VOLUME
                                 402016.680 3754672.097 44.30
  LOCATION L0002573
                        VOLUME
                                 402008.089 3754672.106 44.23
  LOCATION L0002574
                        VOLUME
                                 401999.498 3754672.115 44.16
  LOCATION L0002575
                        VOLUME
                                 401990.908 3754672.125 44.09
                        VOLUME
                                 401982.317 3754672.134 44.03
  LOCATION L0002576
  LOCATION L0002577
                        VOLUME
                                 401973.726 3754672.143 43.96
                        VOLUME
                                 401965.135 3754672.152 43.89
  LOCATION L0002578
  LOCATION L0002579
                        VOLUME
                                 401956.544 3754672.161 43.82
  LOCATION L0002580
                        VOLUME
                                 401947.954 3754672.170 43.74
                                 401939.363 3754672.180 43.67
  LOCATION L0002581
                        VOLUME
  LOCATION L0002582
                        VOLUME
                                 401931.882 3754669.816 43.52
  LOCATION L0002583
                        VOLUME
                                 401927.647 3754662.560 43.38
  LOCATION L0002584
                        VOLUME
                                 401925.548 3754654.244 43.30
  LOCATION L0002585
                        VOLUME
                                 401925.285 3754645.657 43.27
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401924.766 3754628.484 43.24
  LOCATION L0002587
                       VOLUME
  LOCATION L0002588
                       VOLUME
                                401925.039 3754619.897 43.26
  LOCATION L0002589
                       VOLUME
                                401925.311 3754611.311 43.28
  LOCATION L0002590
                        VOLUME
                                401925.584 3754602.724 43.24
                               401926.250 3754594.264 43.18
  LOCATION L0002591
                       VOLUME
  LOCATION L0002592
                       VOLUME
                                401932.246 3754588.532 43.37
                               401940.396 3754586.620 43.52
  LOCATION L0002593
                       VOLUME
  LOCATION L0002594
                       VOLUME
                               401948.986 3754586.666 43.56
  LOCATION L0002595
                        VOLUME
                               401957.577 3754586.712 43.61
  LOCATION L0002596
                       VOLUME
                                401966.168 3754586.759 43.64
                                401974.758 3754586.805 43.66
  LOCATION L0002597
                       VOLUME
  LOCATION L0002598
                       VOLUME
                                401983.349 3754586.851 43.68
  LOCATION L0002599
                                401991.940 3754586.897 43.72
                        VOLUME
  LOCATION L0002600
                       VOLUME
                               402000.530 3754586.943 43.77
  LOCATION L0002601
                       VOLUME
                                402009.121 3754586.990 43.83
  LOCATION L0002602
                       VOLUME
                               402017.712 3754587.036 43.89
  LOCATION L0002603
                       VOLUME
                               402026.303 3754587.082 43.95
  LOCATION L0002604
                        VOLUME
                               402034.893 3754587.128 44.01
  LOCATION L0002605
                       VOLUME
                                402043.484 3754587.174 44.04
  LOCATION L0002606
                       VOLUME
                                402052.075 3754587.220 44.04
  LOCATION L0002607
                       VOLUME
                                402060.665 3754587.267 44.05
  LOCATION L0002608
                        VOLUME
                                402069.256 3754587.313 44.05
  LOCATION L0002609
                       VOLUME
                               402077.847 3754587.359 44.06
  LOCATION L0002610
                       VOLUME
                                402086.437 3754587.405 44.07
  LOCATION L0002611
                       VOLUME
                                402095.028 3754587.451 44.08
                               402103.619 3754587.498 44.11
  LOCATION L0002612
                       VOLUME
  LOCATION L0002613
                       VOLUME
                               402112.209 3754587.544 44.14
                       VOLUME
                               402120.800 3754587.590 44.15
  LOCATION L0002614
  LOCATION L0002615
                       VOLUME 402129.391 3754587.636 44.16
                       VOLUME
                               402137.981 3754587.682 44.18
  LOCATION L0002616
                               402146.572 3754587.729 44.21
  LOCATION L0002617
                       VOLUME
  LOCATION L0002618
                       VOLUME
                               402155.163 3754587.775 44.25
  LOCATION L0002619
                       VOLUME
                               402163.753 3754587.821 44.28
  LOCATION L0002620
                       VOLUME
                               402172.344 3754587.867 44.19
  LOCATION L0002621
                       VOLUME 402180.935 3754587.913 44.01
** End of LINE VOLUME Source ID = SLINE1
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Northbound offsite truck traffic to Florence Ave
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.81E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 10
** 402196.403, 3754671.075, 44.64, 3.49, 4.00
** 402198.605, 3754727.405, 45.27, 3.49, 4.00
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LOCATION L0002586

VOLUME

401925.022 3754637.071 43.25

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** 402202.382, 3754780.274, 45.37, 3.49, 4.00
** 402201.668, 3754904.353, 46.11, 3.49, 4.00
** 402203.205, 3755009.914, 46.43, 3.49, 4.00
** 402203.205, 3755075.505, 45.79, 3.49, 4.00
** 402208.330, 3755083.192, 45.61, 3.49, 4.00
** 402461.984, 3755085.242, 46.94, 3.49, 4.00
** 402468.646, 3755087.291, 46.99, 3.49, 4.00
** 402471.208, 3755454.194, 48.46, 3.49, 4.00
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                        VOLUME
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  LOCATION L0000192
                        VOLUME
                                 402196.906 3754683.950 44.79
  LOCATION L0000193
                        VOLUME
                                 402197.242 3754692.533 44.86
  LOCATION L0000194
                        VOLUME
                                 402197.577 3754701.117 44.92
                        VOLUME
                                 402197.913 3754709.700 44.95
  LOCATION L0000195
                                 402198.249 3754718.283 44.99
  LOCATION L0000196
                        VOLUME
  LOCATION L0000197
                        VOLUME
                                 402198.584 3754726.867 45.02
  LOCATION L0000198
                        VOLUME
                                 402199.179 3754735.436 45.08
  LOCATION L0000199
                        VOLUME
                                 402199.791 3754744.004 45.15
  LOCATION L0000200
                        VOLUME
                                 402200.403 3754752.572 45.22
  LOCATION L0000201
                        VOLUME
                                 402201.015 3754761.141 45.28
  LOCATION L0000202
                        VOLUME
                                 402201.627 3754769.709 45.33
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                        VOLUME
                                 402202.239 3754778.277 45.38
  LOCATION L0000204
                        VOLUME
                                 402202.344 3754786.862 45.42
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                        VOLUME
                                 402202.294 3754795.452 45.47
  LOCATION L0000206
                        VOLUME
                                 402202.245 3754804.041 45.51
  LOCATION L0000207
                        VOLUME
                                 402202.196 3754812.631 45.56
                                 402202.146 3754821.221 45.61
  LOCATION L0000208
                        VOLUME
  LOCATION L0000209
                        VOLUME
                                 402202.097 3754829.811 45.63
  LOCATION L0000210
                        VOLUME
                                 402202.047 3754838.401 45.65
  LOCATION L0000211
                        VOLUME
                                 402201.998 3754846.991 45.67
  LOCATION L0000212
                        VOLUME
                                 402201.949 3754855.581 45.71
                                 402201.899 3754864.170 45.80
  LOCATION L0000213
                        VOLUME
  LOCATION L0000214
                        VOLUME
                                 402201.850 3754872.760 45.88
  LOCATION L0000215
                        VOLUME
                                 402201.800 3754881.350 45.96
  LOCATION L0000216
                        VOLUME
                                 402201.751 3754889.940 46.01
  LOCATION L0000217
                        VOLUME
                                 402201.701 3754898.530 46.05
                                 402201.708 3754907.119 46.09
  LOCATION L0000218
                        VOLUME
  LOCATION L0000219
                        VOLUME
                                 402201.833 3754915.709 46.13
  LOCATION L0000220
                        VOLUME
                                 402201.958 3754924.298 46.18
  LOCATION L0000221
                        VOLUME
                                 402202.084 3754932.887 46.22
  LOCATION L0000222
                        VOLUME
                                 402202.209 3754941.476 46.26
                        VOLUME
                                 402202.334 3754950.065 46.30
  LOCATION L0000223
  LOCATION L0000224
                        VOLUME
                                 402202.459 3754958.654 46.33
                        VOLUME
                                 402202.584 3754967.243 46.36
  LOCATION L0000225
  LOCATION L0000226
                        VOLUME
                                 402202.709 3754975.832 46.39
  LOCATION L0000227
                        VOLUME
                                 402202.834 3754984.421 46.42
                                 402202.959 3754993.010 46.45
  LOCATION L0000228
                        VOLUME
  LOCATION L0000229
                        VOLUME
                                 402203.084 3755001.599 46.48
  LOCATION L0000230
                        VOLUME
                                 402203.205 3755010.189 46.48
  LOCATION L0000231
                        VOLUME
                                 402203.205 3755018.779 46.43
  LOCATION L0000232
                        VOLUME
                                402203.205 3755027.369 46.39
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LOCATION	L0000233	VOLUME	402203.205	3755035.959	46.34
LOCATION	L0000234	VOLUME	402203.205	3755044.549	46.22
LOCATION	L0000235	VOLUME	402203.205	3755053.139	46.09
LOCATION	L0000236	VOLUME	402203.205	3755061.729	45.95
LOCATION	L0000237	VOLUME	402203.205	3755070.319	45.83
LOCATION	L0000238	VOLUME	402205.093	3755078.337	45.81
LOCATION	L0000239	VOLUME	402211.085	3755083.214	45.94
LOCATION	L0000240	VOLUME	402219.674	3755083.284	46.20
LOCATION	L0000241	VOLUME	402228.264	3755083.353	46.37
LOCATION	L0000242	VOLUME	402236.854	3755083.422	46.46
LOCATION	L0000243	VOLUME	402245.443	3755083.492	46.56
LOCATION	L0000244	VOLUME	402254.033	3755083.561	46.62
LOCATION	L0000245	VOLUME	402262.623	3755083.631	46.66
LOCATION	L0000246	VOLUME	402271.213	3755083.700	46.70
LOCATION	L0000247	VOLUME	402279.802	3755083.770	46.72
LOCATION	L0000248	VOLUME	402288.392	3755083.839	46.72
LOCATION	L0000249	VOLUME	402296.982	3755083.908	46.72
LOCATION	L0000250	VOLUME	402305.571	3755083.978	46.71
LOCATION	L0000251	VOLUME	402314.161	3755084.047	46.69
LOCATION	L0000252	VOLUME	402322.751	3755084.117	46.67
LOCATION	L0000253	VOLUME	402331.341	3755084.186	46.64
LOCATION	L0000254	VOLUME	402339.930	3755084.255	46.60
LOCATION	L0000255	VOLUME	402348.520	3755084.325	46.56
LOCATION	L0000256	VOLUME	402357.110	3755084.394	46.60
LOCATION	L0000257	VOLUME	402365.700	3755084.464	46.68
LOCATION	L0000258	VOLUME	402374.289	3755084.533	46.75
LOCATION	L0000259	VOLUME	402382.879	3755084.602	46.80
LOCATION	L0000260	VOLUME	402391.469	3755084.672	46.84
LOCATION	L0000261	VOLUME	402400.058	3755084.741	46.88
LOCATION	L0000262	VOLUME	402408.648	3755084.811	46.90
LOCATION	L0000263	VOLUME	402417.238	3755084.880	46.91
LOCATION	L0000264	VOLUME	402425.828	3755084.950	46.92
LOCATION	L0000265	VOLUME	402434.417	3755085.019	46.93
LOCATION	L0000266	VOLUME	402443.007	3755085.088	46.93
LOCATION	L0000267	VOLUME	402451.597	3755085.158	46.93
LOCATION	L0000268	VOLUME	402460.186	3755085.227	46.95
LOCATION	L0000269	VOLUME	402468.476	3755087.239	46.99
LOCATION	L0000270	VOLUME	402468.705	3755095.703	47.00
LOCATION	L0000271	VOLUME	402468.765	3755104.293	47.12
LOCATION	L0000272	VOLUME	402468.825	3755112.883	47.24
LOCATION	L0000273	VOLUME	402468.885	3755121.473	47.37
LOCATION	L0000274	VOLUME	402468.945	3755130.063	47.47
LOCATION	L0000275	VOLUME	402469.005	3755138.652	47.51
LOCATION		VOLUME	402469.065	3755147.242	47.56
LOCATION		VOLUME	402469.125	3755155.832	47.61
LOCATION	L0000278	VOLUME	402469.185	3755164.422	47.59
LOCATION	L0000279	VOLUME	402469.245		47.55
LOCATION	L0000280	VOLUME	402469.305	3755181.601	47.51
LOCATION	L0000281	VOLUME	402469.365	3755190.191	47.49
LOCATION	L0000282	VOLUME	402469.425	3755198.781	47.52
LOCATION	L0000283	VOLUME	402469.485	3755207.371	47.55

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LOCATION L0000284
                        VOLUME
                                402469.545 3755215.960 47.58
                                402469.605 3755224.550 47.64
  LOCATION L0000285
                        VOLUME
  LOCATION L0000286
                        VOLUME
                                402469.665 3755233.140 47.72
  LOCATION L0000287
                        VOLUME
                                402469.724 3755241.730 47.79
  LOCATION L0000288
                        VOLUME
                                402469.784 3755250.320 47.86
                                402469.844 3755258.909 47.81
  LOCATION L0000289
                        VOLUME
  LOCATION L0000290
                        VOLUME
                                402469.904 3755267.499 47.75
  LOCATION L0000291
                        VOLUME
                                402469.964 3755276.089 47.69
  LOCATION L0000292
                        VOLUME
                                402470.024 3755284.679 47.69
  LOCATION L0000293
                        VOLUME
                                402470.084 3755293.269 47.78
  LOCATION L0000294
                        VOLUME
                                402470.144 3755301.858 47.86
                                402470.204 3755310.448 47.95
  LOCATION L0000295
                        VOLUME
  LOCATION L0000296
                        VOLUME
                                402470.264 3755319.038 47.99
  LOCATION L0000297
                                402470.324 3755327.628 48.03
                        VOLUME
  LOCATION L0000298
                        VOLUME
                                402470.384 3755336.218 48.06
  LOCATION L0000299
                        VOLUME
                                402470.444 3755344.807 48.08
  LOCATION L0000300
                        VOLUME
                                402470.504 3755353.397 48.05
  LOCATION L0000301
                        VOLUME
                                402470.564 3755361.987 48.02
                        VOLUME
                                402470.624 3755370.577 47.98
  LOCATION L0000302
  LOCATION L0000303
                        VOLUME
                                402470.684 3755379.166 48.02
  LOCATION L0000304
                        VOLUME
                                402470.744 3755387.756 48.09
  LOCATION L0000305
                        VOLUME
                                402470.804 3755396.346 48.17
  LOCATION L0000306
                        VOLUME
                                402470.864 3755404.936 48.23
                        VOLUME
                               402470.924 3755413.526 48.25
  LOCATION L0000307
  LOCATION L0000308
                        VOLUME
                                402470.984 3755422.115 48.27
  LOCATION L0000309
                       VOLUME
                               402471.044 3755430.705 48.28
  LOCATION L0000310
                        VOLUME 402471.104 3755439.295 48.32
  LOCATION L0000311
                       VOLUME 402471.164 3755447.885 48.37
** End of LINE VOLUME Source ID = SLINE2
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Southbound offsite truck traffic to Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.65E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 9
** 402197.886, 3754588.292, 44.15, 3.49, 4.00
** 402200.050, 3753897.498, 38.19, 3.49, 4.00
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** 402204.493, 3753886.760, 38.20, 3.49, 4.00
** 402457.396, 3753887.131, 42.07, 3.49, 4.00
** 402464.802, 3753883.428, 42.04, 3.49, 4.00
** 402467.394, 3753877.873, 41.76, 3.49, 4.00
** 402468.875, 3753863.803, 41.65, 3.49, 4.00
** 402469.415, 3753494.415, 38.01, 3.49, 4.00
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LOCATION	L0000312	VOLUME	402197.900	3754583.997	43.81
	L0000313	VOLUME	402197.927	3754575.407	43.71
LOCATION	L0000314	VOLUME	402197.954	3754566.817	43.63
LOCATION	L0000315	VOLUME	402197.981	3754558.227	43.54
LOCATION	L0000316	VOLUME	402198.007	3754549.637	43.46
LOCATION	L0000317	VOLUME	402198.034	3754541.047	43.36
LOCATION	L0000318	VOLUME	402198.061	3754532.457	43.22
LOCATION	L0000319	VOLUME	402198.088	3754523.867	43.08
LOCATION	L0000320	VOLUME	402198.115	3754515.277	42.93
	L0000321	VOLUME	402198.142	3754506.687	42.79
LOCATION	L0000322	VOLUME	402198.169	3754498.097	42.65
LOCATION	L0000323	VOLUME	402198.196	3754489.507	42.50
LOCATION	L0000324	VOLUME	402198.223	3754480.917	42.37
LOCATION	L0000325	VOLUME	402198.250	3754472.327	42.28
LOCATION	L0000326	VOLUME	402198.276	3754463.737	42.19
LOCATION	L0000327	VOLUME	402198.303	3754455.147	42.10
LOCATION	L0000328	VOLUME	402198.330	3754446.557	42.00
LOCATION	L0000329	VOLUME	402198.357	3754437.968	41.90
LOCATION	L0000330	VOLUME	402198.384	3754429.378	41.80
LOCATION	L0000331	VOLUME	402198.411	3754420.788	41.71
LOCATION	L0000332	VOLUME	402198.438	3754412.198	41.62
LOCATION	L0000333	VOLUME	402198.465	3754403.608	41.53
LOCATION	L0000334	VOLUME	402198.492	3754395.018	41.45
LOCATION	L0000335	VOLUME	402198.519	3754386.428	41.31
LOCATION	L0000336	VOLUME	402198.545	3754377.838	41.09
LOCATION	L0000337	VOLUME	402198.572	3754369.248	40.88
LOCATION	L0000338	VOLUME	402198.599	3754360.658	40.66
	L0000339	VOLUME	402198.626	3754352.068	40.57
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	L0000341	VOLUME	402198.680	3754334.888	40.44
	L0000342	VOLUME	402198.707	3754326.298	40.37
	L0000343	VOLUME	402198.734	3754317.708	40.27
	L0000344	VOLUME	402198.761	3754309.118	40.17
	L0000345	VOLUME	402198.788	3754300.528	40.08
	L0000346	VOLUME	402198.814	3754291.938	40.06
	L0000347	VOLUME	402198.841	3754283.348	40.09
	L0000348	VOLUME	402198.868	3754274.758	40.11
	L0000349	VOLUME	402198.895	3754266.168	40.13
	L0000350	VOLUME	402198.922	3754257.578	40.11
	L0000351	VOLUME	402198.949	3754248.988	40.09
	L0000352	VOLUME	402198.976	3754240.398	40.08
	L0000353	VOLUME	402199.003	3754231.809	40.03
	L0000354	VOLUME	402199.030	3754223.219	39.95
	L0000355	VOLUME	402199.057	3754214.629	39.87
	L0000356	VOLUME	402199.083	3754206.039	39.80
	L0000357	VOLUME	402199.110	3754197.449	39.72
	L0000358	VOLUME	402199.137	3754188.859	39.65
	L0000359	VOLUME	402199.164	3754180.269	39.58
	L0000360	VOLUME	402199.191	3754171.679	39.52
	L0000361	VOLUME	402199.218	3754163.089	39.48
LOCATION	L0000362	VOLUME	402199.245	3754154.499	39.45

LOCATION	L0000363	VOLUME	402199.272	3754145.909	39.42
LOCATION	L0000364	VOLUME	402199.299	3754137.319	39.38
LOCATION	L0000365	VOLUME	402199.326	3754128.729	39.34
LOCATION	L0000366	VOLUME	402199.352	3754120.139	39.30
LOCATION	L0000367	VOLUME	402199.379	3754111.549	39.28
LOCATION	L0000368	VOLUME	402199.406	3754102.959	39.32
LOCATION	L0000369	VOLUME	402199.433	3754094.369	39.37
LOCATION	L0000370	VOLUME	402199.460	3754085.779	39.41
LOCATION	L0000371	VOLUME	402199.487	3754077.189	39.46
LOCATION	L0000372	VOLUME	402199.514	3754068.599	39.50
LOCATION	L0000373	VOLUME	402199.541	3754060.009	39.55
LOCATION	L0000374	VOLUME	402199.568	3754051.419	39.59
LOCATION	L0000375	VOLUME	402199.595	3754042.829	39.51
LOCATION	L0000376	VOLUME	402199.621	3754034.240	39.43
LOCATION	L0000377	VOLUME	402199.648	3754025.650	39.35
LOCATION	L0000378	VOLUME	402199.675	3754017.060	39.26
LOCATION	L0000379	VOLUME	402199.702	3754008.470	39.17
LOCATION	L0000380	VOLUME	402199.729	3753999.880	39.07
LOCATION	L0000381	VOLUME	402199.756	3753991.290	38.98
LOCATION	L0000382	VOLUME	402199.783	3753982.700	38.86
LOCATION	L0000383	VOLUME	402199.810	3753974.110	38.73
LOCATION	L0000384	VOLUME	402199.837	3753965.520	38.61
LOCATION	L0000385	VOLUME	402199.864	3753956.930	38.49
LOCATION	L0000386	VOLUME	402199.890	3753948.340	38.41
LOCATION	L0000387	VOLUME	402199.917	3753939.750	38.33
LOCATION	L0000388	VOLUME	402199.944	3753931.160	38.26
LOCATION	L0000389	VOLUME	402199.971	3753922.570	38.21
	L0000390	VOLUME	402199.998	3753913.980	38.19
	L0000391	VOLUME	402200.025	3753905.390	38.16
	L0000392	VOLUME	402200.175	3753896.811	38.13
	L0000393	VOLUME	402202.290	3753888.688	38.05
	L0000394	VOLUME	402210.155	3753886.769	38.15
	L0000395	VOLUME	402218.745	3753886.781	38.34
	L0000396	VOLUME	402227.335	3753886.794	38.54
	L0000397	VOLUME	402235.925	3753886.806	38.74
	L0000398	VOLUME	402244.515	3753886.819	38.85
	L0000399	VOLUME	402253.105	3753886.831	38.97
	L0000400	VOLUME	402261.695	3753886.844	39.08
	L0000401	VOLUME	402270.285	3753886.857	39.25
	L0000402	VOLUME	402278.875	3753886.869	39.43
	L0000403	VOLUME	402287.465	3753886.882	39.61
	L0000404	VOLUME	402296.055	3753886.894	39.70
	L0000405	VOLUME	402304.645	3753886.907	39.77
	L0000406	VOLUME	402313.235	3753886.919	39.85
	L0000407	VOLUME	402321.825	3753886.932	40.05
	L0000408	VOLUME	402330.415	3753886.945	40.26
	L0000409	VOLUME	402339.005	3753886.957	40.46
	L0000410	VOLUME	402347.595	3753886.970	40.64
	L0000411	VOLUME	402356.185	3753886.982	40.82
	L0000412	VOLUME	402364.775	3753886.995	41.00
LOCATION	L0000413	VOLUME	402373.365	3753887.008	41.11

LOCATION L0000414 VOLUME 402390.545 3753887.020 41.22 LOCATION L0000415 VOLUME 402390.545 3753887.033 41.34 LOCATION L0000416 VOLUME 402390.545 3753887.033 41.34 LOCATION L0000417 VOLUME 402407.725 3753887.058 41.70 LOCATION L0000418 VOLUME 402416.315 3753887.070 41.88 LOCATION L0000419 VOLUME 402424.905 3753887.096 42.00 LOCATION L0000420 VOLUME 402424.905 3753887.096 42.00 LOCATION L0000421 VOLUME 402442.085 3753887.096 42.00 LOCATION L0000422 VOLUME 402442.085 3753887.121 42.02 LOCATION L0000422 VOLUME 402450.675 3753887.121 42.02 LOCATION L0000424 VOLUME 402450.675 3753887.121 42.02 LOCATION L0000425 VOLUME 402467.723 3753887.125 41.98 LOCATION L0000426 VOLUME 402467.73 3753864.716 41.69 LOCATION L0000427 VOLUME 402468.779 3753864.716 41.69 LOCATION L0000428 VOLUME 402468.886 3753856.331 41.67 LOCATION L0000429 VOLUME 402468.899 3753847.541 41.65 LOCATION L0000429 VOLUME 402468.911 3753838.951 41.63 LOCATION L0000431 VOLUME 402468.924 3753831.181 41.57 LOCATION L0000432 VOLUME 402468.949 3753841.771 41.55 LOCATION L0000432 VOLUME 402468.949 3753841.771 41.55 LOCATION L0000433 VOLUME 402468.949 3753871.771 41.55 LOCATION L0000434 VOLUME 402468.999 3753877.81 41.61 LOCATION L0000435 VOLUME 402468.999 3753877.411 41.51 LOCATION L0000437 VOLUME 402468.999 3753787.411 41.51 LOCATION L0000438 VOLUME 402468.999 3753787.411 41.51 LOCATION L0000438 VOLUME 402469.021 3753770.021 41.46 LOCATION L0000437 VOLUME 402469.023 375375.871 41.27 LOCATION L0000444 VOLUME 402469.037 3753778.821 41.49 LOCATION L0000444 VOLUME 402469.037 3753778.831 41.97 LOCATION L0000444 VOLUME 402469.037 3753757.231 41.40 LOCATION L0000444 VOLUME 402469.037 3753751.010 41.05 LOCATION L0000445 VOLUME 402469.037 3753761.641 41.41 LOCATION L0000445 VOLUME 402469.13 3753761.611 40.79 LOCATION L0000446 VOLUME 402469.13 3753761.511 40.79 LOCATION L0000447 VOLUME 402469.13 3753761.511 40.79 LOCATION L0000445 VOLUME 402469.250 3753667.022 40.02 LOCATION L0000455 VOLUME 402469.250 3753667.022 40.02 LOCATION L0000456 VOLUME 402469.250 3753667.022 40.02
LOCATION L0000416 VOLUME 402399.135 3753887.045 41.52 LOCATION L0000418 VOLUME 402407.725 3753887.058 41.70 VOLUME 4024107.725 3753887.058 41.70 VOLUME 402410.315 3753887.070 41.88 LOCATION L0000419 VOLUME 402424.905 3753887.083 41.94 LOCATION L0000420 VOLUME 402433.495 3753887.096 42.00 LOCATION L0000421 VOLUME 402433.495 3753887.108 42.05 LOCATION L0000422 VOLUME 402459.068 3753887.121 42.02 LOCATION L0000423 VOLUME 402459.068 3753886.295 41.98 LOCATION L0000424 VOLUME 402465.723 3753881.453 41.89 LOCATION L0000425 VOLUME 402467.879 3753864.716 41.69 LOCATION L0000427 VOLUME 402468.886 3753864.716 41.69 LOCATION L0000428 VOLUME 402468.899 3753847.541 41.65 LOCATION L0000429 VOLUME 402468.991 3753838.951 41.63 LOCATION L0000429 VOLUME 402468.991 3753838.951 41.63 LOCATION L0000431 VOLUME 402468.994 3753830.361 41.61 LOCATION L0000431 VOLUME 402468.994 37538321.771 41.59 LOCATION L0000431 VOLUME 402468.994 3753831.181 41.57 LOCATION L0000434 VOLUME 402468.994 3753831.3181 41.57 LOCATION L0000435 VOLUME 402468.997 3753787.411 41.51 LOCATION L0000437 VOLUME 402468.997 3753787.411 41.51 LOCATION L0000437 VOLUME 402468.997 3753778.821 41.49 LOCATION L0000437 VOLUME 402469.024 3753778.821 41.49 LOCATION L0000438 VOLUME 402469.024 3753775.3051 41.37 LOCATION L0000444 VOLUME 402469.043 3753775.3051 41.37 LOCATION L0000444 VOLUME 402469.043 3753775.3051 41.37 LOCATION L0000444 VOLUME 402469.043 3753775.3051 41.37 LOCATION L0000447 VOLUME 402469.043 3753761.641 41.31 LOCATION L0000448 VOLUME 402469.043 3753761.641 41.31 LOCATION L0000448 VOLUME 402469.043 3753761.651 41.37 LOCATION L0000449 VOLUME 402469.043 3753761.651 41.37 LOCATION L0000449 VOLUME 402469.132 3753767.511 40.97 LOCATION L0000445 VOLUME 402469.132 3753667.511 40.97 LOCATION L0000450 VOLUME 402469.132 3753667.511 40.97 LOCATION L0000451 VOLUM
LOCATION LO000417 VOLUME 402407.725 3753887.058 41.70 LOCATION LO000418 VOLUME 402416.315 3753887.007 41.88 LOCATION L0000419 VOLUME 402424.995 3753887.008 41.94 LOCATION L0000420 VOLUME 402424.995 3753887.008 42.00 LOCATION L0000421 VOLUME 402442.085 3753887.096 42.00 LOCATION L0000422 VOLUME 402442.085 3753887.121 42.02 LOCATION L0000423 VOLUME 402450.675 3753887.121 42.02 LOCATION L0000424 VOLUME 402450.675 3753887.121 42.02 LOCATION L0000425 VOLUME 402465.723 3753881.453 41.89 LOCATION L0000426 VOLUME 402467.879 3753864.716 41.69 LOCATION L0000427 VOLUME 402468.886 3753864.716 41.69 LOCATION L0000427 VOLUME 402468.886 3753856.131 41.67 LOCATION L0000428 VOLUME 402468.899 3753847.541 41.65 LOCATION L0000429 VOLUME 402468.991 3753838.951 41.63 LOCATION L0000430 VOLUME 402468.991 3753838.951 41.63 LOCATION L0000431 VOLUME 402468.993 3753841 41.55 LOCATION L0000432 VOLUME 402468.994 3753830.361 41.61 LOCATION L0000432 VOLUME 402468.994 3753813.14 1.57 LOCATION L0000434 VOLUME 402468.994 3753813.14 1.55 LOCATION L0000434 VOLUME 402468.994 37538796.001 41.53 LOCATION L0000437 VOLUME 402468.997 3753770.231 41.46 LOCATION L0000437 VOLUME 402468.999 3753770.231 41.46 LOCATION L0000438 VOLUME 402469.092 3753770.231 41.46 LOCATION L0000438 VOLUME 402469.012 3753770.231 41.46 LOCATION L0000437 VOLUME 402469.012 3753770.231 41.46 LOCATION L0000438 VOLUME 402469.024 3753761.641 41.41 LOCATION L0000441 VOLUME 402469.024 3753761.641 41.41 LOCATION L0000441 VOLUME 402469.037 3753731.691 41.37 LOCATION L0000444 VOLUME 402469.037 3753731.691 41.37 LOCATION L0000444 VOLUME 402469.049 3753770.101 41.09 LOCATION L0000444 VOLUME 402469.049 3753761.641 41.41 LOCATION L0000444 VOLUME 402469.049 3753761.641 41.41 LOCATION L0000444 VOLUME 402469.049 3753761.641 41.41 LOCATION L0000444 VOLUME 402469.137 3753684.331 40.87 LOCATION L0000447 VOLUME 402469.137 3753684.331 40.87 LOCATION L0000448 VOLUME 402469.137 3753667.151 40.71 LOCATION L0000445 VOLUME 402469.138 3753667.151 40.71 LOCATION L0000455 VOLUME 402469.238 3753667.991 40.55 L
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LOCATION L0000447 VOLUME 402469.137 3753684.331 40.87 LOCATION L0000448 VOLUME 402469.150 3753675.741 40.79 LOCATION L0000449 VOLUME 402469.162 3753667.151 40.71 LOCATION L0000450 VOLUME 402469.175 3753658.561 40.63 LOCATION L0000451 VOLUME 402469.188 3753649.971 40.54 LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000448 VOLUME 402469.150 3753675.741 40.79 LOCATION L0000449 VOLUME 402469.162 3753667.151 40.71 LOCATION L0000450 VOLUME 402469.175 3753658.561 40.63 LOCATION L0000451 VOLUME 402469.188 3753649.971 40.54 LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000449 VOLUME 402469.162 3753667.151 40.71 LOCATION L0000450 VOLUME 402469.175 3753658.561 40.63 LOCATION L0000451 VOLUME 402469.188 3753649.971 40.54 LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000450 VOLUME 402469.175 3753658.561 40.63 LOCATION L0000451 VOLUME 402469.188 3753649.971 40.54 LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000451 VOLUME 402469.188 3753649.971 40.54 LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000452 VOLUME 402469.200 3753641.381 40.44 LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000453 VOLUME 402469.213 3753632.791 40.35 LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000454 VOLUME 402469.225 3753624.201 40.25 LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000455 VOLUME 402469.238 3753615.611 40.14 LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000456 VOLUME 402469.250 3753607.022 40.02 LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000457 VOLUME 402469.263 3753598.432 39.90 LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000458 VOLUME 402469.276 3753589.842 39.77
LOCATION L0000459 VOLUME 402469.288 3753581.252 39.65
LOCATION L0000460 VOLUME 402469.301 3753572.662 39.52
LOCATION L0000461 VOLUME 402469.313 3753564.072 39.39
TOGRETON TOOLOGO TOTTOM 400460 206 200000 100 20
LOCATION L0000462 VOLUME 402469.326 3753555.482 39.26
LOCATION L0000462 VOLUME 402469.326 3753555.482 39.26 LOCATION L0000463 VOLUME 402469.338 3753546.892 39.13 LOCATION L0000464 VOLUME 402469.351 3753538.302 39.00

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LOCATION L0000465
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                       VOLUME 402469.376 3753521.122 38.68
  LOCATION L0000466
  LOCATION L0000467
                       VOLUME 402469.389 3753512.532 38.44
  LOCATION L0000468
                       VOLUME 402469.401 3753503.942 38.21
  LOCATION L0000469
                       VOLUME 402469.414 3753495.352 37.97
** End of LINE VOLUME Source ID = SLINE3
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC East and West along Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.25E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 11
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  LOCATION L0000471
                       VOLUME
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  LOCATION L0000472
                       VOLUME
                               400869.657 3753485.274 32.86
  LOCATION L0000473
                       VOLUME
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  LOCATION L0000474
                       VOLUME
                               400886.837 3753485.341 32.79
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                       VOLUME
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                       VOLUME
  LOCATION L0000477
                       VOLUME
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                       VOLUME
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                               400929.787 3753485.510 32.81
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                       VOLUME
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                       VOLUME
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                       VOLUME
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  LOCATION L0000485
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                               400981.326 3753485.713 32.81
                               400989.916 3753485.746 32.77
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                       VOLUME
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  LOCATION L0000488
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  LOCATION L0000489
                       VOLUME
                               401015.686 3753485.848 32.68
  LOCATION L0000490
                       VOLUME 401024.276 3753485.882 32.66
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LOCATION	L0000493	VOLUME	401050.046	3753485.983	32.70
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LOCATION	L0000495	VOLUME	401067.226	3753486.050	32.71
	L0000496	VOLUME	401075.816	3753486.084	32.72
LOCATION	L0000497	VOLUME	401084.405	3753486.118	32.69
LOCATION	L0000498	VOLUME	401092.995	3753486.152	32.64
LOCATION	L0000499	VOLUME	401101.585	3753486.186	32.60
	L0000500	VOLUME	401110.175	3753486.219	32.56
LOCATION	L0000501	VOLUME	401118.765	3753486.253	32.52
	L0000502	VOLUME	401127.355	3753486.287	32.48
	L0000503	VOLUME	401135.945	3753486.321	32.50
LOCATION	L0000504	VOLUME	401144.535	3753486.354	32.54
LOCATION	L0000505	VOLUME	401153.125	3753486.388	32.58
LOCATION	L0000506	VOLUME	401161.715	3753486.422	32.54
LOCATION	L0000507	VOLUME	401170.305	3753486.456	32.50
LOCATION	L0000508	VOLUME	401178.895	3753486.490	32.45
LOCATION	L0000509	VOLUME	401187.485	3753486.523	32.40
LOCATION	L0000510	VOLUME	401196.075	3753486.557	32.36
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LOCATION	L0000515	VOLUME	401239.024		32.31
LOCATION	L0000516	VOLUME		3753486.760	32.26
LOCATION	L0000517	VOLUME		3753486.793	32.20
	L0000518	VOLUME		3753486.827	32.25
	L0000519	VOLUME		3753486.861	32.31
	L0000520	VOLUME		3753486.895	32.37
	L0000521	VOLUME	401290.564		32.37
	L0000522	VOLUME		3753486.962	32.36
	L0000523	VOLUME		3753486.996	32.35
	L0000524	VOLUME		3753487.030	32.32
	L0000525	VOLUME		3753487.064	32.30
	L0000526	VOLUME		3753487.097	32.27
	L0000527	VOLUME	401342.103	3753487.131	32.24
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	L0000529	VOLUME	401359.283	3753487.199	32.18
	L0000530	VOLUME	401367.873	3753487.233	32.16
	L0000531	VOLUME	401376.463	3753487.266	32.13
	L0000532	VOLUME	401385.053	3753487.300	32.11
	L0000533	VOLUME	401393.643	3753487.334	32.16
	L0000534	VOLUME	401402.233	3753487.368	32.22
	L0000535	VOLUME	401410.823	3753487.401	32.27
	L0000536	VOLUME	401419.413	3753487.435	32.40
	L0000537	VOLUME	401428.003	3753487.469	32.53
	L0000538	VOLUME	401436.593	3753487.503	32.66
	L0000539	VOLUME	401445.183	3753487.537	32.82
	L0000540	VOLUME	401453.773	3753487.570	32.99
LOCATION	L0000541	VOLUME	401462.363	3753487.604	33.16

LOCATION	L0000542	VOLUME	401470.952	3753487.638	33.25
LOCATION	L0000543	VOLUME	401479.542	3753487.672	33.35
LOCATION	L0000544	VOLUME	401488.132	3753487.705	33.44
LOCATION	L0000545	VOLUME	401496.722	3753487.739	33.48
LOCATION	L0000546	VOLUME	401505.312	3753487.773	33.51
LOCATION	L0000547	VOLUME	401513.902	3753487.807	33.54
LOCATION	L0000548	VOLUME	401522.492	3753487.840	33.60
LOCATION	L0000549	VOLUME	401531.082	3753487.874	33.65
LOCATION	L0000550	VOLUME	401539.672	3753487.908	33.71
LOCATION	L0000551	VOLUME	401548.262	3753487.942	33.76
LOCATION	L0000552	VOLUME	401556.852	3753487.976	33.81
LOCATION	L0000553	VOLUME	401565.442	3753488.009	33.87
LOCATION	L0000554	VOLUME	401574.032	3753488.043	33.98
LOCATION	L0000555	VOLUME	401582.622	3753488.077	34.09
LOCATION	L0000556	VOLUME	401591.212	3753488.111	34.20
LOCATION	L0000557	VOLUME	401599.801	3753488.144	34.28
	L0000558	VOLUME	401608.391	3753488.178	34.37
	L0000559	VOLUME	401616.981	3753488.212	34.45
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	L0000561	VOLUME	401634.161	3753488.280	34.58
	L0000562	VOLUME	401642.751	3753488.313	34.64
	L0000563	VOLUME	401651.341	3753488.347	34.66
	L0000564	VOLUME	401659.931	3753488.381	34.68
	L0000565	VOLUME	401668.521	3753488.415	34.70
	L0000566	VOLUME	401677.111	3753488.448	34.68
	L0000567	VOLUME	401685.701		34.67
	L0000568	VOLUME	401694.291	3753488.516	34.66
	L0000569	VOLUME	401702.881	3753488.550	34.64
	L0000570	VOLUME	401711.471	3753488.584	34.62
	L0000571	VOLUME	401720.061	3753488.617	34.60
	L0000571	VOLUME	401728.650	3753488.651	34.64
	L0000572	VOLUME	401737.240	3753488.685	34.68
	L0000573	VOLUME	401745.830	3753488.719	34.72
	L0000571	VOLUME	401754.420	3753488.752	34.71
	L0000575	VOLUME	401763.010	3753488.786	34.70
	L0000577	VOLUME	401771.600	3753488.820	34.68
	L0000578	VOLUME	401780.190	3753488.854	
	L0000570	VOLUME	401788.780	3753488.887	34.57
	L0000575	VOLUME	401797.370	3753488.921	34.51
	L0000581	VOLUME	401805.960	3753488.955	34.41
	L0000582	VOLUME	401814.550	3753488.989	34.32
	L0000582	VOLUME	401823.140	3753489.023	34.22
	L0000584	VOLUME	401831.730	3753489.056	34.10
	L0000585	VOLUME	401840.320	3753489.090	33.97
	L0000585	VOLUME	401848.910	3753489.090	33.86
	L0000587	VOLUME	401857.499	3753489.124	33.79
	L0000588	VOLUME	401866.089	3753489.191	33.73
	L0000589	VOLUME	401874.679	3753489.191	33.64
	L0000590		401883.269	3753489.259	33.49
	L0000590 L0000591	VOLUME	401883.269	3753489.259	33.49
	L0000591 L0000592	VOLUME VOLUME	401891.859	3753489.293	33.35
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LOCATION	L0000594	VOLUME	401917.629	3753489.394	32.85
LOCATION	L0000595	VOLUME	401926.219	3753489.428	32.78
LOCATION	L0000596	VOLUME	401934.809	3753489.462	33.10
LOCATION	L0000597	VOLUME	401943.399	3753489.495	33.42
LOCATION	L0000598	VOLUME	401951.989	3753489.529	33.63
LOCATION	L0000599	VOLUME	401960.579	3753489.563	33.38
LOCATION	L0000600	VOLUME	401969.169	3753489.597	33.12
LOCATION	L0000601	VOLUME	401977.759	3753489.631	32.95
LOCATION	L0000602	VOLUME	401986.348	3753489.664	33.11
LOCATION	L0000603	VOLUME	401994.938	3753489.698	33.27
LOCATION	L0000604	VOLUME	402003.528	3753489.732	33.45
LOCATION	L0000605	VOLUME	402012.118	3753489.766	33.70
LOCATION	L0000606	VOLUME	402020.708	3753489.799	33.94
LOCATION	L0000607	VOLUME	402029.298	3753489.833	34.17
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LOCATION	L0000610	VOLUME	402055.068	3753489.934	34.73
LOCATION	L0000611	VOLUME	402063.658	3753489.968	34.58
LOCATION	L0000612	VOLUME	402072.248	3753490.002	34.42
LOCATION	L0000613	VOLUME	402080.838	3753490.036	34.42
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LOCATION	L0000618	VOLUME	402123.787	3753490.205	35.99
LOCATION	L0000619	VOLUME	402132.377	3753490.238	36.15
LOCATION	L0000620	VOLUME	402140.967	3753490.272	36.38
LOCATION	L0000621	VOLUME	402149.557	3753490.306	36.61
LOCATION	L0000622	VOLUME	402158.147	3753490.340	36.79
LOCATION	L0000623	VOLUME	402166.737	3753490.374	36.85
LOCATION	L0000624	VOLUME	402175.327	3753490.407	36.92
LOCATION	L0000625	VOLUME	402183.917	3753490.441	37.01
LOCATION	L0000626	VOLUME	402192.507	3753490.475	37.17
LOCATION	L0000627	VOLUME	402201.097	3753490.509	37.34
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LOCATION	L0000629	VOLUME	402218.277	3753490.576	37.53
LOCATION	L0000630	VOLUME	402226.867	3753490.610	37.59
LOCATION	L0000631	VOLUME	402235.457	3753490.644	37.70
LOCATION	L0000632	VOLUME	402244.046	3753490.678	37.92
LOCATION	L0000633	VOLUME	402252.636	3753490.711	38.14
LOCATION	L0000634	VOLUME	402261.226	3753490.745	38.30
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LOCATION	L0000637	VOLUME	402286.996	3753490.887	38.38
LOCATION	L0000638	VOLUME	402295.585	3753491.028	38.40
LOCATION	L0000639	VOLUME	402304.173	3753491.169	38.41
	L0000640	VOLUME	402312.762	3753491.310	38.42
LOCATION		VOLUME	402321.351	3753491.450	38.43
	L0000642	VOLUME	402329.940	3753491.591	38.43
LOCATION	L0000643	VOLUME	402338.529	3753491.732	38.44

LOCATION	L0000644	VOLUME	402347.117		38.45
LOCATION	L0000645	VOLUME	402355.699	3753491.461	38.46
LOCATION	L0000646	VOLUME	402364.281	3753491.091	38.45
LOCATION	L0000647	VOLUME	402372.863	3753490.721	38.40
LOCATION	L0000648	VOLUME	402381.445	3753490.351	38.36
LOCATION	L0000649	VOLUME	402390.027	3753489.981	38.35
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LOCATION	L0000653	VOLUME	402424.111	3753485.845	38.36
LOCATION	L0000654	VOLUME	402432.617	3753484.643	38.30
LOCATION	L0000655	VOLUME	402441.103	3753483.322	38.20
LOCATION	L0000656	VOLUME	402449.570	3753481.871	38.03
LOCATION	L0000657	VOLUME	402458.036	3753480.419	37.88
LOCATION	L0000658	VOLUME	402466.503	3753478.968	37.74
LOCATION	L0000659	VOLUME	402475.017	3753477.838	37.64
LOCATION	L0000660	VOLUME	402483.539	3753476.753	37.54
LOCATION	L0000661	VOLUME	402492.060	3753475.669	37.45
LOCATION	L0000662	VOLUME	402500.581	3753474.584	37.37
LOCATION	L0000663	VOLUME	402509.102	3753473.500	37.28
LOCATION	L0000664	VOLUME	402517.618	3753472.375	37.20
LOCATION	L0000665	VOLUME	402526.118	3753471.132	37.12
LOCATION	L0000666	VOLUME	402534.617	3753469.888	37.02
	L0000667	VOLUME	402543.117	3753468.644	36.90
	L0000668	VOLUME	402551.620	3753467.433	36.76
	L0000669	VOLUME	402560.194	3753466.911	36.64
	L0000670	VOLUME	402568.768	3753466.389	36.52
	L0000671	VOLUME	402577.342	3753465.867	36.39
	L0000672	VOLUME	402585.916	3753465.346	36.26
	L0000673	VOLUME	402594.490	3753464.824	36.11
	L0000674	VOLUME	402603.067	3753464.428	35.93
	L0000675	VOLUME	402611.657	3753464.533	35.80
	L0000676	VOLUME	402620.246	3753464.639	35.65
	L0000677	VOLUME	402628.835	3753464.744	35.47
	L0000678	VOLUME	402637.425	3753464.849	35.29
	L0000679	VOLUME	402646.014	3753464.955	35.11
	L0000680	VOLUME	402654.603	3753465.060	34.94
	L0000681	VOLUME	402663.193	3753465.166	34.76
	L0000682	VOLUME	402671.782	3753465.271	34.59
	L0000683	VOLUME	402680.372	3753465.349	34.41
	L0000684	VOLUME	402688.962	3753465.426	34.24
	L0000685	VOLUME	402697.551	3753465.502	34.04
	L0000686	VOLUME	402706.141	3753465.578	33.78
	L0000687	VOLUME	402714.730	3753465.655	33.52
	L0000688	VOLUME	402723.320	3753465.731	33.29
	L0000689	VOLUME	402731.910	3753465.807	33.12
	L0000690	VOLUME	402740.499	3753465.884	32.96
	L0000691	VOLUME	402749.089	3753465.960	32.80
	L0000691	VOLUME	402757.679	3753466.036	32.63
	L0000693	VOLUME	402766.268	3753466.113	32.46
	L0000694	VOLUME		3753466.189	32.40
LOCALION	T0000074	A OTTOLIE	102//1.030	2,33400.103	J4.J1

LOCATION	L0000695	VOLUME	402783.448	3753466.265	32.17
LOCATION	L0000696	VOLUME	402792.037	3753466.342	32.04
LOCATION	L0000697	VOLUME	402800.627	3753466.418	31.90
LOCATION	L0000698	VOLUME	402809.217	3753466.495	31.75
LOCATION	L0000699	VOLUME	402817.806	3753466.571	31.59
LOCATION	L0000700	VOLUME	402826.396	3753466.647	31.45
LOCATION	L0000701	VOLUME	402834.986	3753466.724	31.31
LOCATION	L0000702	VOLUME	402843.575	3753466.800	31.17
LOCATION	L0000703	VOLUME	402852.165	3753466.876	31.07
LOCATION	L0000704	VOLUME	402860.755	3753466.953	31.03
LOCATION	L0000705	VOLUME	402869.344	3753467.029	30.99
LOCATION	L0000706	VOLUME	402877.934	3753467.105	30.97
LOCATION	L0000707	VOLUME	402886.524	3753467.182	30.96
LOCATION	L0000708	VOLUME	402895.113	3753467.258	30.95
LOCATION	L0000709	VOLUME	402903.703	3753467.334	30.94
LOCATION	L0000710	VOLUME	402912.293	3753467.411	30.93
LOCATION	L0000711	VOLUME	402920.882	3753467.487	30.92
LOCATION	L0000712	VOLUME	402929.472	3753467.563	30.91
LOCATION	L0000713	VOLUME	402938.062	3753467.640	30.90
LOCATION	L0000714	VOLUME	402946.651	3753467.716	30.89
LOCATION	L0000715	VOLUME	402955.241	3753467.793	30.83
LOCATION	L0000716	VOLUME	402963.831	3753467.869	30.70
LOCATION	L0000717	VOLUME	402972.420	3753467.945	30.58
LOCATION	L0000718	VOLUME	402981.010	3753468.022	30.50
LOCATION	L0000719	VOLUME	402989.600	3753468.098	30.49
LOCATION	L0000720	VOLUME	402998.189	3753468.174	30.47
LOCATION	L0000721	VOLUME	403006.779	3753468.251	30.47
LOCATION	L0000722	VOLUME	403015.369	3753468.327	30.46
LOCATION	L0000723	VOLUME	403023.958	3753468.403	30.46
LOCATION	L0000724	VOLUME	403032.548	3753468.480	30.46
	L0000725	VOLUME	403041.138	3753468.556	30.46
	L0000726	VOLUME	403049.727	3753468.632	30.46
	L0000727	VOLUME	403058.317	3753468.709	30.45
	L0000728	VOLUME	403066.907	3753468.785	30.43
	L0000729	VOLUME	403075.496	3753468.861	30.42
	L0000730	VOLUME	403084.086	3753468.938	30.41
	L0000731	VOLUME	403092.676	3753469.014	30.41
	L0000732	VOLUME	403101.265	3753469.091	30.41
	L0000733	VOLUME	403109.855	3753469.167	30.41
	L0000734	VOLUME	403118.445	3753469.243	30.41
	L0000735	VOLUME	403127.034	3753469.320	30.41
	L0000736	VOLUME	403135.624	3753469.396	30.41
	L0000737	VOLUME	403144.214	3753469.472	30.40
	L0000738	VOLUME	403152.803	3753469.549	30.40
	L0000739	VOLUME	403161.393	3753469.625	30.42
	L0000740	VOLUME	403169.983	3753469.701	30.46
	L0000741	VOLUME	403178.572	3753469.778	30.50
	L0000742	VOLUME	403187.162	3753469.854	30.49
	L0000743	VOLUME	403195.751	3753469.930	30.43
	L0000744	VOLUME	403204.341	3753470.007	30.38
LOCATION	L0000745	VOLUME	403212.931	3753470.083	30.34

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LOCATION L0000746
                       VOLUME 403221.520 3753470.159 30.34
                       VOLUME 403230.110 3753470.236 30.33
  LOCATION L0000747
  LOCATION L0000748
                       VOLUME 403238.700 3753470.312 30.35
  LOCATION L0000749
                       VOLUME 403247.289 3753470.389 30.40
  LOCATION L0000750
                       VOLUME 403255.879 3753470.465 30.46
** End of LINE VOLUME Source ID = SLINE4
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC East and West along Florence Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.31E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 25
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** 402719.094, 3755509.967, 49.51, 3.49, 4.00
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  LOCATION L0002267
                       VOLUME 400847.008 3755482.255 41.80
  LOCATION L0002268
                        VOLUME 400855.598 3755482.255 41.69
                       VOLUME
  LOCATION L0002269
                                400864.188 3755482.255 41.58
  LOCATION L0002270
                       VOLUME
                                400872.778 3755482.255 41.65
  LOCATION L0002271
                       VOLUME
                                400881.368 3755482.255 41.79
  LOCATION L0002272
                        VOLUME
                               400889.958 3755482.255 41.93
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VOLUME 400898.548 3755482.255 41.99

LOCATION L0002273

LOCATION	L0002274	VOLUME	400907.138	3755482.255	42.02
LOCATION	L0002275	VOLUME	400915.728	3755482.255	42.05
LOCATION	L0002276	VOLUME	400924.318	3755482.255	42.06
LOCATION	L0002277	VOLUME	400932.908	3755482.255	42.05
LOCATION	L0002278	VOLUME	400941.498	3755482.255	42.05
LOCATION	L0002279	VOLUME	400950.088	3755482.255	42.18
LOCATION	L0002280	VOLUME	400958.678	3755482.255	42.35
LOCATION	L0002281	VOLUME	400967.268	3755482.255	42.52
LOCATION	L0002282	VOLUME	400975.858	3755482.255	42.58
LOCATION	L0002283	VOLUME	400984.448	3755482.255	42.61
LOCATION	L0002284	VOLUME	400993.038	3755482.255	42.63
LOCATION	L0002285	VOLUME	401001.628	3755482.255	42.66
LOCATION	L0002286	VOLUME	401010.218	3755482.255	42.69
	L0002287	VOLUME	401018.808	3755482.255	42.72
LOCATION	L0002288	VOLUME	401027.398	3755482.255	42.72
LOCATION	L0002289	VOLUME	401035.988	3755482.255	42.71
	L0002290	VOLUME	401044.578	3755482.255	42.70
	L0002291	VOLUME	401053.168	3755482.255	42.70
	L0002292	VOLUME	401061.758	3755482.255	42.70
	L0002293	VOLUME	401070.348	3755482.255	42.71
	L0002294	VOLUME	401078.938	3755482.255	42.74
	L0002295	VOLUME	401087.528	3755482.255	42.79
	L0002296	VOLUME	401096.118	3755482.255	42.83
	L0002297	VOLUME	401104.708	3755482.255	42.91
	L0002298	VOLUME	401113.298	3755482.255	43.01
	L0002299	VOLUME	401121.888	3755482.255	43.10
	L0002300	VOLUME	401130.478	3755482.255	43.07
	L0002301	VOLUME	401139.068	3755482.255	43.02
	L0002302	VOLUME	401147.658	3755482.255	42.97
	L0002303	VOLUME	401156.248	3755482.255	42.94
	L0002303	VOLUME	401164.838	3755482.255	42.92
	L0002301	VOLUME	401173.428	3755482.255	42.90
	L0002306	VOLUME	401182.018	3755482.255	42.92
	L0002307	VOLUME	401190.608	3755482.255	42.95
	L0002307	VOLUME	401199.198	3755482.255	42.97
	L0002309	VOLUME	401207.788	3755482.255	43.01
	L0002310	VOLUME	401216.378	3755482.255	43.04
	L0002310	VOLUME	401224.968	3755482.255	43.07
	L0002311	VOLUME	401233.558	3755482.255	43.04
	L0002312	VOLUME	401242.148	3755482.255	43.00
	L0002313	VOLUME	401250.738	3755482.255	42.95
	L0002311	VOLUME	401259.328	3755482.255	42.99
	L0002315	VOLUME	401267.918	3755482.255	43.04
	L0002316	VOLUME	401276.508	3755482.255	43.04
	L0002317	VOLUME	401285.098	3755482.255	43.14
	L0002318	VOLUME	401293.688	3755482.255	43.14
	L0002319	VOLUME	401302.278	3755482.255	43.19
	L0002320	VOLUME	401302.278	3755482.255	43.29
	L0002321 L0002322		401310.868	3755482.255	43.29
	L0002322 L0002323	VOLUME	401319.458	3755482.255	43.33
	L0002323	VOLUME		3755482.255	
LOCATION	шUUUZ3Z4	VOLUME	40T330.038	3/33402.235	13.41

LOCATION	L0002325	VOLUME	401345.228	3755482.255	43.15
LOCATION	L0002326	VOLUME	401353.818	3755482.255	43.04
LOCATION	L0002327	VOLUME	401362.408	3755482.255	43.01
LOCATION	L0002328	VOLUME	401370.998	3755482.255	42.98
LOCATION	L0002329	VOLUME	401379.588	3755482.255	42.95
LOCATION	L0002330	VOLUME	401388.178	3755482.255	42.92
LOCATION	L0002331	VOLUME	401396.768	3755482.255	42.88
LOCATION	L0002332	VOLUME	401405.358	3755482.255	42.85
LOCATION	L0002333	VOLUME	401413.948	3755482.255	42.84
LOCATION	L0002334	VOLUME	401422.538	3755482.255	42.84
LOCATION	L0002335	VOLUME	401431.128	3755482.255	42.83
LOCATION	L0002336	VOLUME	401439.718	3755482.255	42.90
LOCATION	L0002337	VOLUME	401448.308	3755482.255	42.97
LOCATION	L0002338	VOLUME	401456.898	3755482.255	43.04
LOCATION	L0002339	VOLUME	401465.466	3755482.610	42.93
LOCATION	L0002340	VOLUME	401473.989	3755483.676	42.82
LOCATION	L0002341	VOLUME	401482.513	3755484.741	42.72
LOCATION	L0002342	VOLUME	401491.037	3755485.807	42.79
LOCATION	L0002343	VOLUME	401499.560	3755486.872	42.86
LOCATION	L0002344	VOLUME	401508.084	3755487.938	42.93
LOCATION	L0002345	VOLUME	401516.608	3755489.003	42.98
LOCATION	L0002346	VOLUME	401525.192	3755489.265	43.02
LOCATION	L0002347	VOLUME	401533.779	3755489.488	43.06
LOCATION	L0002348	VOLUME	401542.366	3755489.711	43.15
LOCATION	L0002349	VOLUME	401550.953	3755489.935	43.25
LOCATION	L0002350	VOLUME	401559.540	3755490.158	43.35
LOCATION	L0002351	VOLUME	401568.127	3755490.381	43.50
LOCATION	L0002352	VOLUME	401576.714	3755490.604	43.66
LOCATION	L0002353	VOLUME	401585.301	3755490.827	43.81
LOCATION	L0002354	VOLUME	401593.889	3755491.050	43.93
	L0002355	VOLUME	401602.476	3755491.273	44.04
	L0002356	VOLUME	401611.063	3755491.496	44.16
	L0002357	VOLUME	401619.650		44.19
	L0002358	VOLUME	401628.232	3755491.467	
	L0002359	VOLUME	401636.813		
	L0002360	VOLUME	401645.393	3755490.669	
	L0002361	VOLUME	401653.974	3755490.270	44.23
	L0002362	VOLUME	401662.555	3755489.871	44.22
	L0002363	VOLUME	401671.136	3755489.472	44.39
	L0002364	VOLUME	401679.716	3755489.072	
	L0002365	VOLUME	401688.297	3755488.673	44.74
	L0002366	VOLUME	401696.878	3755488.274	
	L0002367	VOLUME	401705.459	3755487.875	
	L0002368	VOLUME	401714.039	3755487.476	45.40
	L0002369	VOLUME	401722.620	3755487.077	45.44
	L0002370	VOLUME	401731.201	3755486.678	45.48
	L0002371	VOLUME	401739.781	3755486.279	
	L0002372	VOLUME	401748.362	3755485.880	45.53
	L0002373	VOLUME	401756.943	3755485.480	45.53
	L0002374	VOLUME	401765.524	3755485.081	45.53
LOCATION	L0002375	VOLUME	401774.104	3755484.682	45.53

LOCATION	L0002376	VOLUME	401782.685	3755484.283	45.53
LOCATION	L0002377	VOLUME	401791.266	3755483.884	45.54
LOCATION	L0002378	VOLUME	401799.848	3755483.531	45.49
LOCATION	L0002379	VOLUME	401808.434	3755483.273	45.44
LOCATION	L0002380	VOLUME	401817.021	3755483.016	45.39
LOCATION	L0002381	VOLUME	401825.607	3755482.758	45.28
LOCATION	L0002382	VOLUME	401834.193	3755482.501	45.17
LOCATION	L0002383	VOLUME	401842.779	3755482.243	45.06
LOCATION	L0002384	VOLUME	401851.365	3755481.986	44.97
LOCATION	L0002385	VOLUME	401859.951	3755481.728	44.87
LOCATION	L0002386	VOLUME	401868.537	3755481.470	44.78
LOCATION	L0002387	VOLUME	401877.124	3755481.213	44.72
LOCATION	L0002388	VOLUME	401885.710	3755480.955	44.66
LOCATION	L0002389	VOLUME	401894.296	3755480.698	44.60
LOCATION	L0002390	VOLUME	401902.882	3755480.440	44.62
LOCATION	L0002391	VOLUME	401911.468	3755480.182	44.64
LOCATION	L0002392	VOLUME	401920.054	3755479.925	44.65
LOCATION	L0002393	VOLUME	401928.640	3755479.667	44.51
LOCATION	L0002394	VOLUME	401937.228	3755479.451	44.36
LOCATION	L0002395	VOLUME	401945.816	3755479.277	44.21
LOCATION	L0002396	VOLUME	401954.404	3755479.103	44.16
LOCATION	L0002397	VOLUME	401962.992	3755478.929	44.10
LOCATION	L0002398	VOLUME	401971.580	3755478.754	44.06
LOCATION	L0002399	VOLUME	401980.169	3755478.580	44.13
LOCATION	L0002400	VOLUME	401988.757	3755478.406	44.21
LOCATION	L0002401	VOLUME	401997.345	3755478.232	44.29
LOCATION	L0002402	VOLUME	402005.933	3755478.058	44.49
LOCATION	L0002403	VOLUME	402014.522	3755477.884	44.69
LOCATION	L0002404	VOLUME	402023.110	3755477.710	44.87
LOCATION	L0002405	VOLUME	402031.698	3755477.536	44.99
LOCATION	L0002406	VOLUME	402040.286	3755477.362	45.11
LOCATION	L0002407	VOLUME	402048.875	3755477.188	45.21
LOCATION	L0002408	VOLUME	402057.463	3755477.014	45.23
LOCATION	L0002409	VOLUME	402066.051	3755476.840	45.25
LOCATION	L0002410	VOLUME	402074.639		45.29
	L0002411	VOLUME	402083.228	3755476.491	45.43
	L0002412	VOLUME	402091.816	3755476.317	45.56
	L0002413	VOLUME	402100.404	3755476.143	45.70
LOCATION	L0002414	VOLUME	402108.992	3755475.969	45.79
	L0002415	VOLUME	402117.580	3755475.795	45.88
	L0002416	VOLUME	402126.169	3755475.621	45.98
	L0002417	VOLUME	402134.757	3755475.440	46.18
	L0002418	VOLUME	402143.342	3755475.155	46.37
	L0002419	VOLUME	402151.927	3755474.871	46.55
	L0002420	VOLUME	402160.513	3755474.586	46.65
	L0002421	VOLUME	402169.098	3755474.302	46.75
	L0002422	VOLUME	402177.683	3755474.017	46.87
	L0002423	VOLUME	402186.268	3755473.733	47.01
	L0002424	VOLUME	402194.854	3755473.448	47.15
	L0002425	VOLUME	402203.439	3755473.163	47.28
LOCATION	L0002426	VOLUME	402212.024	3755472.879	47.38

LOCATION	L0002427	VOLUME	402220.610	3755472.594	47.48
LOCATION	L0002428	VOLUME	402229.195	3755472.310	47.57
LOCATION	L0002429	VOLUME	402237.780	3755472.025	47.60
LOCATION	L0002430	VOLUME	402246.365	3755471.741	47.63
LOCATION	L0002431	VOLUME	402254.951	3755471.456	47.65
LOCATION	L0002432	VOLUME	402263.536	3755471.172	47.66
LOCATION	L0002433	VOLUME	402272.121	3755470.887	47.67
LOCATION	L0002434	VOLUME	402280.707	3755470.603	47.68
LOCATION	L0002435	VOLUME	402289.292	3755470.318	47.68
LOCATION	L0002436	VOLUME	402297.877	3755470.034	47.69
LOCATION	L0002437	VOLUME	402306.465	3755469.871	47.72
LOCATION	L0002438	VOLUME	402315.054	3755469.741	47.76
LOCATION	L0002439	VOLUME	402323.643	3755469.611	47.81
LOCATION	L0002440	VOLUME	402332.232	3755469.481	47.85
LOCATION	L0002441	VOLUME	402340.821	3755469.351	47.88
LOCATION	L0002442	VOLUME	402349.410	3755469.221	47.91
LOCATION	L0002443	VOLUME	402358.000	3755469.090	47.93
LOCATION	L0002444	VOLUME	402366.589	3755468.960	47.96
LOCATION	L0002445	VOLUME	402375.178	3755468.846	47.98
LOCATION	L0002446	VOLUME	402383.767	3755468.733	48.02
LOCATION	L0002447	VOLUME	402392.356	3755468.620	48.06
LOCATION	L0002448	VOLUME	402400.946	3755468.507	48.11
LOCATION	L0002449	VOLUME	402409.535	3755468.394	48.16
LOCATION	L0002450	VOLUME	402418.124	3755468.281	48.22
LOCATION	L0002451	VOLUME	402426.713	3755468.168	48.29
LOCATION	L0002452	VOLUME	402435.303	3755468.055	48.35
	L0002453	VOLUME	402443.892	3755467.942	48.41
LOCATION	L0002454	VOLUME	402452.481	3755467.807	48.47
LOCATION	L0002455	VOLUME	402461.070	3755467.669	48.51
LOCATION	L0002456	VOLUME	402469.659	3755467.530	48.51
LOCATION	L0002457	VOLUME	402478.230	3755467.610	48.52
LOCATION	L0002458	VOLUME	402486.692	3755469.088	48.54
LOCATION	L0002459	VOLUME	402495.154	3755470.565	48.60
LOCATION	L0002460	VOLUME	402503.616	3755472.043	48.68
LOCATION	L0002461	VOLUME	402512.074	3755473.542	48.77
LOCATION	L0002462	VOLUME	402520.524	3755475.089	48.83
LOCATION	L0002463	VOLUME	402528.973	3755476.636	48.88
LOCATION	L0002464	VOLUME	402537.423	3755478.184	48.93
LOCATION	L0002465	VOLUME	402545.871	3755479.735	48.96
LOCATION	L0002466	VOLUME	402554.221	3755481.754	48.95
LOCATION	L0002467	VOLUME	402562.570	3755483.772	48.92
LOCATION	L0002468	VOLUME	402570.920	3755485.791	48.90
LOCATION	L0002469	VOLUME	402579.269	3755487.809	48.90
	L0002470	VOLUME	402587.619	3755489.828	48.91
	L0002471	VOLUME	402595.991	3755491.746	48.93
	L0002472	VOLUME	402604.394	3755493.526	48.93
	L0002473	VOLUME	402612.798	3755495.307	48.92
	L0002474	VOLUME	402621.201	3755497.087	48.93
	L0002475	VOLUME	402629.605	3755498.868	48.93
	L0002476	VOLUME		3755500.648	48.94
	L0002477	VOLUME		3755502.428	49.04

LOCATION	L0002478	VOLUME	402654.848	3755503.991	49.14
	L0002479	VOLUME	402663.401	3755504.786	49.22
LOCATION	L0002480	VOLUME	402671.955	3755505.582	49.33
LOCATION	L0002481	VOLUME	402680.508	3755506.377	49.43
LOCATION	L0002482	VOLUME	402689.061	3755507.173	49.51
LOCATION	L0002483	VOLUME	402697.614	3755507.969	49.50
LOCATION	L0002484	VOLUME	402706.167	3755508.764	49.48
LOCATION	L0002485	VOLUME	402714.720	3755509.560	49.47
LOCATION	L0002486	VOLUME	402723.291	3755510.015	49.49
LOCATION	L0002487	VOLUME	402731.880	3755510.114	49.53
LOCATION	L0002488	VOLUME	402740.470	3755510.213	49.56
LOCATION	L0002489	VOLUME	402749.059	3755510.311	49.61
LOCATION	L0002490	VOLUME	402757.648	3755510.410	49.67
LOCATION	L0002491	VOLUME	402766.238	3755510.480	49.73
LOCATION	L0002492	VOLUME	402774.828	3755510.480	49.79
LOCATION	L0002493	VOLUME	402783.418	3755510.480	49.86
LOCATION	L0002494	VOLUME	402792.008	3755510.480	49.93
LOCATION	L0002495	VOLUME	402800.598	3755510.480	49.98
LOCATION	L0002496	VOLUME	402809.188	3755510.480	50.04
LOCATION	L0002497	VOLUME	402817.778	3755510.480	50.09
LOCATION	L0002498	VOLUME	402826.368	3755510.480	50.09
LOCATION	L0002499	VOLUME	402834.958	3755510.480	50.10
LOCATION	L0002500	VOLUME	402843.546	3755510.614	50.10
LOCATION	L0002501	VOLUME	402852.134	3755510.823	50.21
LOCATION	L0002502	VOLUME	402860.721	3755511.033	50.33
LOCATION	L0002503	VOLUME	402869.309	3755511.242	50.44
LOCATION	L0002504	VOLUME	402877.896	3755511.452	50.46
LOCATION	L0002505	VOLUME		3755511.661	50.47
LOCATION	L0002506	VOLUME	402895.071	3755511.870	50.49
LOCATION	L0002507	VOLUME	402903.658	3755512.108	50.50
LOCATION	L0002508	VOLUME	402912.242	3755512.411	50.51
	L0002509	VOLUME	402920.827	3755512.714	50.53
	L0002510	VOLUME	402929.412	3755513.017	50.55
	L0002511	VOLUME	402937.996	3755513.320	50.57
	L0002512	VOLUME	402946.578	3755513.676	50.59
	L0002513	VOLUME	402955.151	3755514.223	50.61
	L0002514	VOLUME	402963.723	3755514.771	50.64
	L0002515	VOLUME	402972.296	3755515.318	50.65
	L0002516	VOLUME	402980.869	3755515.865	50.68
	L0002517	VOLUME	402989.441	3755516.412	50.70
	L0002518	VOLUME	402997.959	3755517.445	50.71
	L0002519	VOLUME	403006.441	3755518.804	50.72
	L0002520	VOLUME	403014.923	3755520.164	50.74
	L0002521	VOLUME	403023.405	3755521.524	50.76
	L0002522	VOLUME	403031.886	3755522.883	50.78
	L0002523	VOLUME	403040.368	3755524.243	50.79
	L0002524	VOLUME	403048.850	3755525.603	50.80
	L0002525	VOLUME	403057.331	3755526.962	50.79
	L0002526	VOLUME	403065.737	3755528.710	50.77
	L0002527	VOLUME	403074.107	3755530.642	50.74
LOCATION	L0002528	VOLUME	403082.477	3755532.573	50.81

	LOCATION L0002529		090.847 3755		
	LOCATION L0002530	VOLUME 403	099.217 3755	36.436 51.0	1
	LOCATION L0002531	VOLUME 403	107.576 3755	38.412 51.1	3
	LOCATION L0002532	VOLUME 403	115.835 3755	40.772 51.2	2
	LOCATION L0002533	VOLUME 403	124.095 3755	43.132 51.2	7
	LOCATION L0002534	VOLUME 403	132.354 3755	45.492 51.3	1
	LOCATION L0002535	VOLUME 403	140.614 3755	47.852 51.3	8
	LOCATION L0002536	VOLUME 403	148.873 3755	550.212 51.4	5
	LOCATION L0002537	VOLUME 403	157.133 3755	552.571 51.4	9
	LOCATION L0002538	VOLUME 403	165.392 3755	54.931 51.4	8
	LOCATION L0002539	VOLUME 403	173.683 37559	557.178 51.4	3
	LOCATION L0002540	VOLUME 403	181.986 3755	559.381 51.3	б
	LOCATION L0002541	VOLUME 403	190.289 3755	61.583 51.3	0
	LOCATION L0002542	VOLUME 403	198.591 3755	63.786 51.2	б
	LOCATION L0002543	VOLUME 403	206.894 3755	65.989 51.2	5
	LOCATION L0002544	VOLUME 403	215.197 3755	68.191 51.2	1
	LOCATION L0002545	VOLUME 403	223.500 3755	70.394 51.1	0
	LOCATION L0002546	VOLUME 403	231.803 3755	72.596 50.9	0
	LOCATION L0002547		240.105 3755		
	LOCATION L0002548	VOLUME 403	248.408 3755	577.001 50.4	4
	LOCATION L0002549		256.711 3755		
	LOCATION L0002550		265.014 3755		
	LOCATION L0002551		273.317 3755		
	LOCATION L0002552		281.620 37559		
**	End of LINE VOLUME	Source ID = SLI	NE5		
* *	Source Parameters	**			
	SRCPARAM STCK1	5.05E-06	3.500 366	5.000 51.81	600 0.100
	SRCPARAM STCK2	5.05E-06		5.000 51.81	
	SRCPARAM STCK3	5.05E-06	3.500 366	5.000 51.81	600 0.100
	SRCPARAM STCK4	5.05E-06		5.000 51.81	
	SRCPARAM STCK5	5.05E-06		5.000 51.81	
**	LINE VOLUME Source				
	SRCPARAM L0002553	0.000001101	3.50	4.00	5.81
	SRCPARAM L0002554	0.0000001101	3.50	4.00	5.81
	SRCPARAM L0002555	0.0000001101	3.50	4.00	5.81
	SRCPARAM L0002556	0.0000001101		4.00	5.81
			3.50	4.00	5.81 5.81
	SRCPARAM L0002556	0.000001101	3.50 3.50		
	SRCPARAM L0002556 SRCPARAM L0002557	0.0000001101 0.0000001101	3.50 3.50 3.50	4.00	5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558	0.000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50	4.00 4.00	5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559	0.000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00	5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002562	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002561 SRCPARAM L0002563 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002565	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002567 SRCPARAM L0002567	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002566	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
	SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002567 SRCPARAM L0002568 SRCPARAM L0002568	0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101 0.0000001101	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81

SRCPARAM	L0002572	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002573	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002574	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002575	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002576	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002577	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002578	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002579	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002580	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002581	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002582	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002583	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002584	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002585	0.0000001101	3.50	4.00	5.81
	L0002586	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002587	0.000001101	3.50	4.00	5.81
	L0002588	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002589	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002590	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002591	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002592	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002593	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002594	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002595	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002596	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002597	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002598	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002599	0.000001101	3.50	4.00	5.81
${\tt SRCPARAM}$	L0002600	0.000001101	3.50	4.00	5.81
${\tt SRCPARAM}$	L0002601	0.000001101	3.50	4.00	5.81
SRCPARAM	L0002602	0.000001101	3.50	4.00	5.81
	L0002603	0.0000001101	3.50	4.00	5.81
SRCPARAM	L0002604	0.0000001101	3.50	4.00	5.81
	L0002605	0.000001101	3.50	4.00	5.81
	L0002606	0.000001101	3.50	4.00	5.81
	L0002607	0.0000001101	3.50	4.00	5.81
	L0002608	0.000001101	3.50	4.00	5.81
	L0002609	0.000001101	3.50	4.00	5.81
	L0002610	0.000001101	3.50	4.00	5.81
	L0002611	0.000001101	3.50	4.00	5.81
	L0002612	0.0000001101	3.50	4.00	5.81
	L0002613	0.000001101	3.50	4.00	5.81
	L0002614	0.000001101	3.50	4.00	5.81
	L0002615	0.000001101	3.50	4.00	5.81
	L0002616	0.0000001101	3.50	4.00	5.81
	L0002617	0.0000001101	3.50	4.00	5.81
	L0002618	0.000001101	3.50	4.00	5.81
	L0002619	0.0000001101	3.50	4.00	5.81
	L0002620	0.0000001101	3.50	4.00	5.81
SKCPARAM	L0002621	0.000001101	3.50	4.00	5.81

**	LINE VOLU	JME Source	ID	= SLINE2			
		L0000191		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000192		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000193		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000194		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000195		0.00000002322	3.49	4.00	1.62
		L0000196		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000197		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000198		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000199		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000200		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000201		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000202		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000203		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000204		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000205		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000206		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000207		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000208		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000209		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000210		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000211		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000212		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000213		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000214		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000215		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000216		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000217		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000218		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000219		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000220		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000221		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000222		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000223		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000224		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000225		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000226		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000227		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000228		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000229		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000230		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000231		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000232		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000233		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000234		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000235		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000236		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000237		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000238		0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000239		0.00000002322	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0000240		0.00000002322	3.49	4.00	1.62

CD CD A D A M	T 0000011	0 00000000000	3.49	4 00	1 ()
	L0000241	0.00000002322		4.00	1.62
	L0000242	0.00000002322	3.49	4.00	1.62
	L0000243	0.00000002322	3.49	4.00	1.62
	L0000244	0.00000002322	3.49	4.00	1.62
	L0000245	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000246	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000247	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000248	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000249	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000250	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000251	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000252	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000253	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000254	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000255	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000256	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000257	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000258	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000259	0.00000002322	3.49	4.00	1.62
	L0000260	0.00000002322	3.49	4.00	1.62
	L0000261	0.00000002322	3.49	4.00	1.62
	L0000262	0.00000002322	3.49	4.00	1.62
	L0000263	0.00000002322	3.49	4.00	1.62
	L0000264	0.00000002322	3.49	4.00	1.62
	L0000265	0.00000002322	3.49	4.00	1.62
	L0000266	0.00000002322	3.49	4.00	1.62
	L0000267	0.00000002322	3.49	4.00	1.62
	L0000267	0.00000002322	3.49	4.00	1.62
	L0000269	0.00000002322	3.49	4.00	1.62
	L0000270	0.00000002322	3.49	4.00	1.62
	L0000270	0.00000002322	3.49	4.00	1.62
	L0000271	0.00000002322	3.49	4.00	1.62
	L0000272	0.00000002322	3.49	4.00	1.62
	L0000273	0.00000002322	3.49	4.00	1.62
	L0000274	0.00000002322	3.49	4.00	1.62
	L0000275	0.00000002322	3.49	4.00	1.62
	L0000276	0.00000002322	3.49		1.62
				4.00	
	L0000278	0.00000002322	3.49	4.00	1.62
	L0000279	0.00000002322	3.49	4.00	1.62
	L0000280	0.00000002322	3.49	4.00	1.62
	L0000281	0.00000002322	3.49	4.00	1.62
	L0000282	0.00000002322	3.49	4.00	1.62
	L0000283	0.00000002322	3.49	4.00	1.62
	L0000284	0.00000002322	3.49	4.00	1.62
	L0000285	0.00000002322	3.49	4.00	1.62
	L0000286	0.00000002322	3.49	4.00	1.62
	L0000287	0.00000002322	3.49	4.00	1.62
	L0000288	0.00000002322	3.49	4.00	1.62
	L0000289	0.00000002322	3.49	4.00	1.62
	L0000290	0.00000002322	3.49	4.00	1.62
SRCPARAM	L0000291	0.00000002322	3.49	4.00	1.62

	SRCPARAM	L0000292	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000293	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000294	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000295	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000296	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000297	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000298	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000299	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000300	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000301	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000302	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000303	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000304	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000305	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000306	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000307	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000308	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000309	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000310	0.00000002322	3.49	4.00	1.62
	SRCPARAM	L0000311	0.00000002322	3.49	4.00	1.62
* *						
* *	LINE VOLU	JME Source ID				
	SRCPARAM	L0000312	0.0000000231	3.49 3.49	4.00	1.62
	SRCPARAM	L0000313	0.0000000231	3.49	4.00	1.62
		L0000314	0.0000000231	3.49	4.00	1.62
		L0000315		3.49	4.00	1.62
	SRCPARAM	L0000316		3.49	4.00	1.62
	SRCPARAM	L0000317	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000318	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000319		3.49	4.00	1.62
		L0000320	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000321	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000322		3.49	4.00	1.62
		L0000323		3.49	4.00	1.62
	SRCPARAM	L0000324		3.49	4.00	1.62
	SRCPARAM	L0000325		3.49	4.00	1.62
	SRCPARAM		0.0000000231	3.49	4.00	1.62
		L0000327		3.49	4.00	1.62
		L0000328	0.0000000231	3.49	4.00	1.62
		L0000329		3.49	4.00	1.62
		L0000330	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000331		3.49	4.00	1.62
		L0000332		3.49	4.00	1.62
	SRCPARAM		0.0000000231	3.49	4.00	1.62
		L0000334		3.49	4.00	1.62
	SRCPARAM	L0000335	0.0000000231	3.49	4.00	1.62
		L0000336		3.49	4.00	1.62
		L0000337	0.0000000231	3.49	4.00	1.62
		L0000338		3.49	4.00	1.62
		L0000339		3.49	4.00	1.62
	SRCPARAM	L0000340	0.0000000231	3.49	4.00	1.62

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	L0000341	0.0000000231	3.49	4.00	1.62
	L0000342	0.0000000231	3.49	4.00	1.62
	L0000343	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000344	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000345	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000346	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000347	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000348	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000349	0.0000000231	3.49	4.00	1.62
	L0000350	0.0000000231	3.49	4.00	1.62
	L0000351	0.0000000231	3.49	4.00	1.62
	L0000352	0.0000000231	3.49	4.00	1.62
	L0000352	0.0000000231	3.49	4.00	1.62
	L0000355	0.0000000231	3.49	4.00	1.62
	L0000354	0.0000000231	3.49	4.00	1.62
		0.0000000231	3.49	4.00	1.62
	L0000356				
	L0000357	0.0000000231	3.49	4.00	1.62
	L0000358	0.0000000231	3.49	4.00	1.62
	L0000359	0.0000000231	3.49	4.00	1.62
	L0000360	0.0000000231	3.49	4.00	1.62
	L0000361	0.0000000231	3.49	4.00	1.62
	L0000362	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000363	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000364	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000365	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000366	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000367	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000368	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000369	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000370	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000371	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000372	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000373	0.0000000231	3.49	4.00	1.62
	L0000374	0.0000000231	3.49	4.00	1.62
	L0000375	0.0000000231	3.49	4.00	1.62
	L0000376	0.0000000231	3.49	4.00	1.62
	L0000377	0.0000000231	3.49	4.00	1.62
	L0000378	0.0000000231	3.49	4.00	1.62
	L0000379	0.0000000231	3.49	4.00	1.62
	L0000379	0.0000000231	3.49	4.00	1.62
	L0000381	0.0000000231	3.49	4.00	1.62
	L0000381	0.0000000231	3.49	4.00	1.62
		0.0000000231	3.49	4.00	1.62
	L0000383		3.49		
	L0000384	0.0000000231		4.00	1.62
	L0000385	0.0000000231	3.49	4.00	1.62
	L0000386	0.0000000231	3.49	4.00	1.62
	L0000387	0.0000000231	3.49	4.00	1.62
	L0000388	0.0000000231	3.49	4.00	1.62
	L0000389	0.0000000231	3.49	4.00	1.62
	L0000390	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000391	0.0000000231	3.49	4.00	1.62

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SRCPARAM		0.000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000395	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000396	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000397	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000398	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000399	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000400	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000401	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000402	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000403	0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
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SRCPARAM		0.0000000231	3.49	4.00	1.62
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SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
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SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
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SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000426	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000427	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000428	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000429	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000430	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000431	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000432	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000433	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000434	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000435	0.0000000231	3.49	4.00	1.62
SRCPARAM	L0000436	0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
SRCPARAM		0.0000000231	3.49	4.00	1.62
DICCI MICHI		0.0000000231	J. IJ	1.00	1.02

	SRCPARAM	L0000443	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000444	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000445	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000446	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000447	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000448	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000449	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000450	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000451	0.0000000231	3.49	4.00	1.62
		L0000452		3.49	4.00	1.62
	SRCPARAM	L0000453	0.0000000231	3.49	4.00	1.62
	SRCPARAM	L0000454	0.0000000231	3.49	4.00	1.62
		L0000455		3.49	4.00	1.62
		L0000456		3.49	4.00	1.62
		L0000457		3.49	4.00	1.62
		L0000458	0.0000000231	3.49	4.00	1.62
		L0000459		3.49	4.00	1.62
		L0000460	0.0000000231	3.49	4.00	1.62
		L0000461		3.49	4.00	1.62
		L0000462		3.49	4.00	1.62
		L0000463		3.49	4.00	1.62
		L0000464		3.49	4.00	1.62
		L0000465		3.49	4.00	1.62
		L0000466		3.49	4.00	1.62
		L0000467	0.0000000231	3.49	4.00	1.62
		L0000468		3.49	4.00	1.62
		L0000469		3.49	4.00	1.62
* *						
* *	LINE VOLU	JME Source ID	= SLINE4			
	SRCPARAM	L0000470	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000471	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000472	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000473	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000474	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000475	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000476	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000477	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000478	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000479	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000480	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000481	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000482	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000483	0.0000001157	3.49	4.00	1.62
	SRCPARAM	L0000484	0.0000001157	3.49	4.00	1.62
		L0000485	0.00000001157	3.49	4.00	1.62
		L0000486	0.00000001157	3.49	4.00	1.62
		L0000487	0.00000001157	3.49	4.00	1.62
		L0000488	0.00000001157	3.49	4.00	1.62
		L0000489	0.00000001157	3.49	4.00	1.62
		L0000490	0.00000001157	3.49	4.00	1.62
		L0000491				
		L0000491	0.0000001157	3.49	4.00	1.62

SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000495	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000496	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000497	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000498	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000499	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000500	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000501	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000502	0.0000001157	3.49	4.00	1.62
	L0000503	0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
			3.49		1.62
SRCPARAM		0.00000001157		4.00	
	L0000511	0.00000001157	3.49	4.00	1.62
	L0000512	0.00000001157	3.49	4.00	1.62
	L0000513	0.00000001157	3.49	4.00	1.62
	L0000514	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000518	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000520	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000521	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000522	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000523	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000524	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000525	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000526	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000528	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
	L0000531	0.00000001157	3.49	4.00	1.62
	L0000532	0.00000001157	3.49	4.00	1.62
	L0000533	0.00000001157	3.49	4.00	1.62
	L0000533	0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
	L0000536	0.00000001157	3.49	4.00	1.62
			3.49		1.62
SRCPARAM		0.00000001157		4.00	
	L0000539	0.00000001157	3.49	4.00	1.62
	L0000540	0.00000001157	3.49	4.00	1.62
	L0000541	0.00000001157	3.49	4.00	1.62
SRCPARAM	ь0000542	0.0000001157	3.49	4.00	1.62

SRCPARAM	L0000543	0.0000001157	3.49	4.00	1.62
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	L0000554	0.00000001157	3.49	4.00	1.62
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	L0000562	0.00000001157	3.49	4.00	1.62
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SRCPARAM	L0000570	0.00000001157 0.00000001157	3.49	4.00	1.62
			3.49		1.62
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	L0000572	0.00000001157	3.49		1.62
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	L0000577	0.00000001157	3.49	4.00	1.62
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	L0000579	0.00000001157	3.49	4.00	1.62
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	L0000592	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000593	0.0000001157	3.49	4.00	1.62

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SRCPARAM	L0000598	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000600	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000601	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000602	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000603	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000604	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000623	0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM	L0000625	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000628	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000629	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000630	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000631	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000632	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000634	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000635	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0000636	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0000637	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000638	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000645	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0000648	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000649	0.0000001157	3.49	4.00	1.62
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	L0000664	0.00000001157	3.49	4.00	1.62
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	L0000667	0.00000001157	3.49	4.00	1.62
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	L0000674	0.00000001157	3.49	4.00	1.62
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SRCPARAM		0.00000001157	3.49	4.00	1.62
DICT MICHI	-0000000	0.0000001137	J. 17	1.00	 02

SRCPARAM	L0000696	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000697	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000698	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000699	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0000700	0.0000001157	3.49	4.00	1.62
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SRCPARAM		0.00000001157	3.49	4.00	1.62
			3.49	4.00	
SRCPARAM SRCPARAM		0.00000001157 0.00000001157	3.49	4.00	1.62 1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
		0.00000001157	3.49		
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM				4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM	LUUUU / 46	0.0000001157	3.49	4.00	1.62

**	SRCPARAM SRCPARAM	L0000747 L0000748 L0000749 L0000750		0.00000001157 0.00000001157 0.00000001157 0.00000001157		4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62
**	SRCPARAM LINE VOLU SRCPARAM	L0000750 JME Source L0002267 L0002268 L0002270 L0002271 L0002272 L0002273 L0002274 L0002275 L0002276 L0002277 L0002277 L0002278 L0002280 L0002281 L0002281 L0002282 L0002283 L0002283 L0002284 L0002285 L0002286 L0002287 L0002287	ID	0.0000001157	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00	1.62
	SRCPARAM SRCPARAM	L0002289 L0002291 L0002292 L0002293 L0002294 L0002295 L0002296 L0002297 L0002298 L0002300 L0002301 L0002302 L0002303 L0002304 L0002305 L0002307 L0002308 L0002309 L0002309 L0002310 L0002311		0.00000001157 0.00000001157	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62

SRCPARAM	L0002312	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002313	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002314	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002315	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002316	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002317	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002318	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002319	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002320	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002321	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002322	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002323	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0002325	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002326	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002327	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002328	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0002330	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002331	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002332	0.0000001157	3.49	4.00	1.62
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SRCPARAM	L0002334	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002335	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002336	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002338	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002339	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002340	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002341	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002342	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002343	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002344	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002345	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002346	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002347	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002348	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002349	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002350	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002351	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002352	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002353	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002354	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002355	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002356	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002357	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002358	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002359	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002360	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002361	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002362	0.0000001157	3.49	4.00	1.62

SRCPARAM	L0002363	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002364	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002365	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002366	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002367	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002368	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002369	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002370	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002371	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002372	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002373	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002374	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002375	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002376	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002377	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002378	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002379	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002380	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002381	0.00000001157	3.49	4.00	1.62
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SRCPARAM		0.0000001157	3.49	4.00	1.62
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SRCPARAM		0.0000001157	3.49	4.00	1.62
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SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002392	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002394	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002395	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002396	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002397	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002398	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002399	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002400	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002401	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002402	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002403	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002404	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002405	0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62
SRCPARAM		0.00000001157	3.49	4.00	1.62

SRCPARAM	L0002414	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002415	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002416	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002417	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002418	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002419	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002420	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002421	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002422	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002423	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002424	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002425	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002426	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002427	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002428	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002429	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002430	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002431	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002432	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002433	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002434	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002435	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002436	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002437	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002438	0.0000001157	3.49	4.00	1.62
SRCPARAM		0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002440	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002441	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002442	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002443	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002444	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002445	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002446	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002447	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002448	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002449	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002450	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002451	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002452	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002453	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002454	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002455	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002456	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002457	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002458	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002459	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002460	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002461	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002462	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002463	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002464	0.0000001157	3.49	4.00	1.62

SRCPARAM	L0002465	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002466	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002467	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002468	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002469	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002470	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002471	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002472	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002473	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002474	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002475	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002476	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002477	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002478	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002479	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002480	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002481	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002482	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002483	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002484	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002485	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002486	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002487	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002488	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002489	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002490	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002491	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002492	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002493	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002494	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002495	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002496	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002497	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002498	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002499	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002500	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002501	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002502	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002503	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002504	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002505	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002506	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002507	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002508	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002509	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002510	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002511	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002512	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002513	0.00000001157	3.49	4.00	1.62
SRCPARAM	L0002514	0.0000001157	3.49	4.00	1.62
SRCPARAM	L0002515	0.00000001157	3.49	4.00	1.62

SRCPARAM	L0002516		0.0000001	157	3.49	4.00	1.62	
${\tt SRCPARAM}$	L0002517		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002518		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002519		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002520		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002521		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002522		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002523		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002524		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002525		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002526		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002527		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002528		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002529		0.0000001	157	3.49	4.00	1.62	
SRCPARAM	L0002530		0.0000001	157	3.49	4.00	1.62	
	L0002531		0.00000001		3.49	4.00	1.62	
	L0002532		0.00000001		3.49	4.00	1.62	
	L0002533		0.00000001		3.49	4.00	1.62	
	L0002534		0.00000001		3.49	4.00	1.62	
	L0002535		0.00000001		3.49	4.00	1.62	
	L0002536		0.00000001		3.49	4.00	1.62	
	L0002537		0.00000001		3.49	4.00	1.62	
					3.49	4.00	1.62	
	L0002539		0.00000001	157	3.49	4.00	1.62	
	L0002540		0.00000001		3.49	4.00	1.62	
	L0002541		0.00000001		3.49	4.00	1.62	
					3.49	4.00	1.62	
SPCDARAM	T.0002512		0.00000001	157	3.49	4.00	1.62	
	L0002515		0.00000001		3.49	4.00	1.62	
CDCDADAM	1.0002511		0.00000001	157	3.49	4.00	1.62	
					3.49	4.00	1.62	
CDCDADAM	T 0002540		0.00000001	157	3.49	4.00	1.62	
CDCDADAM	T 0002547		0.00000001	157	3.49	4.00	1.62	
CDCDADAM	T 0002546		0.00000001	157		4.00	1.62	
CDCDADAM	T 0002549		0.00000001	157	3.49 3.49	4.00	1.62	
CDCDADAM	T 0002550		0.00000001	157	3.49	4.00	1.62	
CDCDADAM	10002551		0.00000001	157	3.49	4.00	1.62	
SRCPARAM	L0002552		0.00000001 0.00000001 0.00000001 0.00000001 0.00000001	157	3.49	4.00	1.62	
								· -
Building	Downwash	**						
BUILDHGT			0.00	12.50	12.50	12.50	12.50	12.50
BUILDHGT			12.50	12.50		0.00	0.00	0.00
BUILDHGI	OTCKI		0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT BUILDHGT	SICKI CTCV1		0.00	12.50	0.00	0.00	0.00	0.00
			0.00		0.00			
BUILDHGT				0.00		0.00	0.00	0.00
BUILDHGT	SICKI		0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK?		0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT			0.00	0.00	0.00	12.50	12.50	12.50
BUILDHGT			12.50	12.50	12.50	12.50	0.00	0.00
BUILDHGT			0.00	0.00	0.00	0.00	0.00	0.00
דפטחחדו	DICKZ		0.00	0.00	0.00	0.00	0.00	0.00

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BUILDHGT		0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	12.50	12.50	0.00	0.00
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BOILDINGI	SICKT	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDWID	STCK1	0.00	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	225.24	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BOILDWID	SICKI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	98.52	132.31	162.67
BUILDWID	STCK2	188.09	207.79	221.18	227.85	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	221.18	227.85	0.00	0.00
BUILDWID	ሪጥርዪን	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
DOTINMIN	SICKS	100.09	207.79	221.18	441.05	220.19	222.91
BUILDWID	STCK4	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK4	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK4	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK4	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91

BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK5	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK5	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK5	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK5	188.09	207.79	221.18	227.85	228.19	222.91
BUILDLEN	STCK1	0.00	132.31	162.67	188.09	207.79	221.18
BUILDLEN	STCK1	227.85	228.19	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	132.31	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK 2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	159.70	130.15	0.00	0.00
BUILDLEN	STCK3	98.52	132.31	162.67	188.09	207.79	221.18
${\tt BUILDLEN}$	STCK3	227.85	228.19	222.91	226.99	225.24	217.23
${\tt BUILDLEN}$		203.78	184.54	159.70	130.15	98.27	63.96
${\tt BUILDLEN}$	STCK3	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN	STCK3	227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK3	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK4	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK4	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK4	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	CTCV E	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BOILDHEN	SICKS	203.70	101.51	133.70	130.13	90.27	03.90
XBADJ	STCK1	0.00	-156.00	-189.70	-217.63	-238.96	-253.02
XBADJ	STCK1	-259.39	-257.88	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	23.68	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

XBADJ	STCK2	0.00	0.00	0.00	-254.78	-254.48	-247.04
XBADJ	STCK2	-232.08	-210.08	-181.69	-147.78	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	21.99	17.63	0.00	0.00
XBADJ	STCK3	-67.48	-78.44	-87.03	-92.97	-96.08	-96.28
XBADJ	STCK3	-93.55	-87.98	-80.20	-78.77	-75.70	-70.92
XBADJ	STCK3	-63.98	-55.10	-44.54	-32.63	-20.80	-8.89
XBADJ	STCK3	-31.04	-53.87	-75.65	-95.12	-111.71	-124.90
XBADJ	STCK3	-134.30	-140.22	-142.71	-148.22	-149.54	-146.31
XBADJ	STCK3	-139.80	-129.44	-115.16	-97.52	-77.47	-55.07
ABADU	SICKS	-139.00	-129.44	-115.16	-97.52	-//.4/	-55.07
XBADJ	STCK4	-73.41	-89.99	-103.83	-114.53	-121.74	-125.25
XBADJ	STCK4	-124.95	-120.86	-113.57	-111.61	-107.01	-99.75
XBADJ	STCK4	-89.45	-76.44	-61.10	-43.91	-26.45	-8.75
XBADJ	STCK4	-25.11	-42.32	-58.84	-73.56	-86.06	-95.93
XBADJ	STCK4	-102.89	-107.33	-109.34	-115.38	-118.23	-117.48
XBADJ	STCK4	-114.33	-107.33	-98.59	-86.24	-71.81	-55.21
ABADU	SICK4	-114.33	-106.10	-90.59	-00.24	-/1.01	-55.21
XBADJ	STCK5	-78.38	-99.78	-118.14	-132.92	-143.66	-150.03
XBADJ	STCK5	-151.85	-149.05	-142.19	-139.79	-133.90	-124.53
XBADJ	STCK5	-111.38	-94.84	-75.41	-53.70	-31.42	-8.75
XBADJ	STCK5	-20.14	-32.54	-44.53	-55.17	-64.13	-71.15
XBADJ	STCK5	-76.00	-79.15	-80.72	-87.20	-91.33	-92.70
XBADJ	STCK5	-92.40	-89.70	-84.28	-76.45	-66.84	-55.21
ADADU	SICKS	-92.40	-69.70	-04.20	-70.45	-00.04	-55.21
YBADJ	STCK1	0.00	114.50	97.95	77.85	55.18	30.83
YBADJ	STCK1	5.47	-19.79	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	-114.50	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
IDADO	DICKI	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	13.12	-11.99	-36.44
YBADJ	STCK2	-59.79	-81.32	-100.38	-116.39	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	100.38	116.39	0.00	0.00
IDADO	DICKZ	0.00	0.00	100.50	110.55	0.00	0.00
YBADJ	STCK3	-34.73	-36.92	-37.70	-37.91	-37.17	-35.31
YBADJ	STCK3	-32.44	-28.34	-23.09	-18.22	-12.29	-5.69
YBADJ	STCK3	1.08	7.81	14.31	20.38	26.12	31.26
YBADJ	STCK3	34.73	36.92	37.70	37.91	37.17	35.31
YBADJ	STCK3	32.44	28.34	23.09	18.22	12.29	5.69
YBADJ	STCK3	-1.08	-7.81	-14.31	-20.38	-26.12	-31.25
	510113	1.00		11.51	20.50	20.12	31.23
YBADJ	STCK4	-1.89	-5.61	-8.87	-12.44	-15.83	-18.74
YBADJ	STCK4	-21.16	-22.68	-23.23	-24.15	-23.83	-22.50
YBADJ	STCK4	-20.48	-17.84	-14.66	-11.03	-6.77	-2.11
	-						

```
STCK4
                      1.89
                             5.61
                                    8.87
                                            12.44
                                                           18.74
  YBADJ
                                                    15.83
  YBADJ
         STCK4
                      21.16
                              22.68
                                     23.23
                                            24.15
                                                    23.83
                                                           22.50
  YBADJ
         STCK4
                      20.48 17.84 14.66
                                            11.03
                                                     6.77
                                                            2.12
                                             9.49
                                                     2.57
  YBADJ
         STCK5
                     26.30
                             21.28
                                    15.92
                                                           -4.43
  YBADJ
         STCK5
                     -11.37 -17.71
                                   -23.23
                                           -29.12
                                                   -33.62
                                                          -36.81
  YBADJ
         STCK5
                     -38.88
                            -39.76
                                    -39.44
                                           -37.92
                                                   -34.95
                                                          -30.73
  YBADJ
         STCK5
                     -26.30 -21.28 -15.92
                                            -9.49
                                                   -2.57
                                                           4.43
  YBADJ
         STCK5
                     11.37 17.71 23.23
                                            29.12
                                                    33.62
                                                           36.81
  YBADJ
                     38.88 39.76 39.44 37.92
         STCK5
                                                    34.95
                                                           30.73
  URBANSRC ALL
  SRCGROUP ALL
SO FINISHED
**********
** AERMOD Receptor Pathway
**********
* *
RE STARTING
  INCLUDED "Greenstone OY.rou"
RE FINISHED
**********
** AERMOD Meteorology Pathway
***********
ME STARTING
  SURFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC"
  PROFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL"
  SURFDATA 3166 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 58.0 METERS
ME FINISHED
**********
** AERMOD Output Pathway
***********
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE PERIOD ALL "Greenstone OY.AD\PE00GALL.PLT" 31
  SUMMFILE "Greenstone OY.sum"
OU FINISHED
 *** Message Summary For AERMOD Model Setup ***
```

```
----- Summary of Total Messages -----
A Total of
                   0 Fatal Error Message(s)
A Total of
                   7 Warning Message(s)
A Total of
                   0 Informational Message(s)
  ****** FATAL ERROR MESSAGES ******
            *** NONE ***
  ****** WARNING MESSAGES ******
SO W320
         1097
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
SO W320
         1098
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1099
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1100
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1101
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
ME W186
         2229
                   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
                                                                               0.50
ME W187
         2229
                   MEOPEN: ADJ U* Option for Stable Low Winds used in AERMET
**********
*** SETUP Finishes Successfully ***
*********
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                                         01/20/22
                                                                                               +++
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                                                                                                         PAGE 1
*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ U*
                                             MODEL SETUP OPTIONS SUMMARY
**Model Is Setup For Calculation of Average CONCentration Values.
 -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F
**Model Uses URBAN Dispersion Algorithm for the SBL for 920 Source(s),
 Urban Population = 9818605.0; Urban Roughness Length = 1.000 m
**Model Uses Regulatory DEFAULT Options:
       1. Stack-tip Downwash.
       2. Model Accounts for ELEVated Terrain Effects.
       3. Use Calms Processing Routine.
       4. Use Missing Data Processing Routine.
```

```
5. No Exponential Decay.
       6. Urban Roughness Length of 1.0 Meter Assumed.
**Other Options Specified:
       ADJ_U* - Use ADJ_U* option for SBL in AERMET
       TEMP_Sub - Meteorological data includes TEMP substitutions
**Model Assumes No FLAGPOLE Receptor Heights.
**The User Specified a Pollutant Type of: DPM
**Model Calculates PERIOD Averages Only
**This Run Includes:
                      920 Source(s);
                                         1 Source Group(s); and
                                                                   449 Receptor(s)
             with:
                       5 POINT(s), including
                       0 POINTCAP(s) and
                                             0 POINTHOR(s)
              and:
                      915 VOLUME source(s)
              and:
                       0 AREA type source(s)
              and:
                       0 LINE source(s)
              and:
                       0 RLINE/RLINEXT source(s)
              and:
                       0 OPENPIT source(s)
              and:
                       0 BUOYANT LINE source(s) with a total of
                                                                 0 line(s)
**Model Set To Continue RUNning After the Setup Testing.
**The AERMET Input Meteorological Data Version Date: 16216
**Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
        Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                           m for Missing Hours
                                                           b for Both Calm and Missing Hours
**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00; Decay Coef. = 0.000
                                                                                             ; Rot. Angle =
               Emission Units = GRAMS/SEC
                                                                     ; Emission Rate Unit Factor = 0.10000E+07
               Output Units = MICROGRAMS/M**3
**Approximate Storage Requirements of Model =
                                              5.2 MB of RAM.
**Input Runstream File:
                              aermod.inp
**Output Print File:
                              aermod.out
**Detailed Error/Message File: Greenstone OY.err
**File for Summary of Results: Greenstone OY.sum
```

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	E X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.50500E-05	402181.3	3754671.5	44.8	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK2	0	0.50500E-05	402180.4	3754589.0	44.0	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK3	0	0.50500E-05	402012.5	3754650.4	44.3	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK4	0	0.50500E-05	402045.8	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK5	0	0.50500E-05	402074.4	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
*** AERMOD -	VERSION	21112 ***	*** C:\La	ikes\AERMOI	View\Gre	eenstone	OY\Green:	stone OY.i	sc		***		01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471	Greenston	ne DPM Con	nc OY 202	2				***		14:34:40
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	<u>C</u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002553	0	0.11010E-06	402179.9	3754671.9	44.8	3.50	4.00	5.81	YES	
L0002554	0	0.11010E-06	402171.3	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002555	0	0.11010E-06	402162.7	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002556	0	0.11010E-06	402154.1	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002557	0	0.11010E-06	402145.5	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002558	0	0.11010E-06	402137.0	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002559	0	0.11010E-06	402128.4	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002560	0	0.11010E-06	402119.8	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002561	0	0.11010E-06	402111.2	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002562	0	0.11010E-06	402102.6	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002563	0	0.11010E-06	402094.0	3754672.0	44.5	3.50	4.00	5.81	YES	
L0002564	0	0.11010E-06	402085.4	3754672.0	44.5	3.50	4.00	5.81	YES	
L0002565	0	0.11010E-06	402076.8	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002566	0	0.11010E-06	402068.2	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002567	0	0.11010E-06	402059.6	3754672.1	44.6	3.50	4.00	5.81	YES	
L0002568	0	0.11010E-06	402051.0	3754672.1	44.5	3.50	4.00	5.81	YES	
L0002569	0	0.11010E-06	402042.5	3754672.1	44.5	3.50	4.00	5.81	YES	
L0002570	0	0.11010E-06	402033.9	3754672.1	44.4	3.50	4.00	5.81	YES	
L0002571	0	0.11010E-06	402025.3	3754672.1	44.4	3.50	4.00	5.81	YES	
L0002572	0	0.11010E-06	402016.7	3754672.1	44.3	3.50	4.00	5.81	YES	

L0002573	0	0.11010E-06	402008.1 3754672.1	44.2	3.50	4.00	5.81	YES	
L0002574	0	0.11010E-06	401999.5 3754672.1	44.2	3.50	4.00	5.81	YES	
L0002575	0	0.11010E-06	401990.9 3754672.1	44.1	3.50	4.00	5.81	YES	
L0002576	0	0.11010E-06	401982.3 3754672.1	44.0	3.50	4.00	5.81	YES	
L0002577	0	0.11010E-06	401973.7 3754672.1	44.0	3.50	4.00	5.81	YES	
L0002578	0	0.11010E-06	401965.1 3754672.2	43.9	3.50	4.00	5.81	YES	
L0002579	0	0.11010E-06	401956.5 3754672.2	43.8	3.50	4.00	5.81	YES	
L0002580	0	0.11010E-06	401948.0 3754672.2	43.7	3.50	4.00	5.81	YES	
L0002581	0	0.11010E-06	401939.4 3754672.2	43.7	3.50	4.00	5.81	YES	
L0002582	0	0.11010E-06	401931.9 3754669.8	43.5	3.50	4.00	5.81	YES	
L0002583	0	0.11010E-06	401927.6 3754662.6	43.4	3.50	4.00	5.81	YES	
L0002584	0	0.11010E-06	401925.5 3754654.2	43.3	3.50	4.00	5.81	YES	
L0002585	0	0.11010E-06	401925.3 3754645.7	43.3	3.50	4.00	5.81	YES	
L0002586	0	0.11010E-06	401925.0 3754637.1	43.2	3.50	4.00	5.81	YES	
L0002587	0	0.11010E-06	401924.8 3754628.5	43.2	3.50	4.00	5.81	YES	
L0002588	0	0.11010E-06	401925.0 3754619.9	43.3	3.50	4.00	5.81	YES	
L0002589	0	0.11010E-06	401925.3 3754611.3	43.3	3.50	4.00	5.81	YES	
L0002590	0	0.11010E-06	401925.6 3754602.7	43.2	3.50	4.00	5.81	YES	
L0002591	0	0.11010E-06	401926.2 3754594.3	43.2	3.50	4.00	5.81	YES	
L0002592	0	0.11010E-06	401932.2 3754588.5	43.4	3.50	4.00	5.81	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	<u>c</u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002593	0	0.11010E-06	401940.4	3754586.6	43.5	3.50	4.00	5.81	YES	
L0002594	0	0.11010E-06	401949.0		43.6	3.50	4.00	5.81	YES	
L0002595	0	0.11010E-06	401957.6	3754586.7	43.6	3.50	4.00	5.81	YES	
L0002596	0	0.11010E-06	401966.2	3754586.8	43.6	3.50	4.00	5.81	YES	
L0002597	0	0.11010E-06	401974.8	3754586.8	43.7	3.50	4.00	5.81	YES	
L0002598	0	0.11010E-06	401983.3	3754586.9	43.7	3.50	4.00	5.81	YES	
L0002599	0	0.11010E-06	401991.9	3754586.9	43.7	3.50	4.00	5.81	YES	
L0002600	0	0.11010E-06	402000.5	3754586.9	43.8	3.50	4.00	5.81	YES	
L0002601	0	0.11010E-06	402009.1	3754587.0	43.8	3.50	4.00	5.81	YES	
L0002602	0	0.11010E-06	402017.7	3754587.0	43.9	3.50	4.00	5.81	YES	
L0002603	0	0.11010E-06	402026.3	3754587.1	43.9	3.50	4.00	5.81	YES	
L0002604	0	0.11010E-06	402034.9	3754587.1	44.0	3.50	4.00	5.81	YES	
L0002605	0	0.11010E-06	402043.5	3754587.2	44.0	3.50	4.00	5.81	YES	
L0002606	0	0.11010E-06	402052.1	3754587.2	44.0	3.50	4.00	5.81	YES	
L0002607	0	0.11010E-06	402060.7	3754587.3	44.0	3.50	4.00	5.81	YES	
L0002608	0	0.11010E-06	402069.3	3754587.3	44.0	3.50	4.00	5.81	YES	
L0002609	0	0.11010E-06	402077.8	3754587.4	44.1	3.50	4.00	5.81	YES	

L0002610	0	0.11010E-06	402086.4 3754587.4	44.1	3.50	4.00	5.81	YES
L0002611	0	0.11010E-06	402095.0 3754587.5	44.1	3.50	4.00	5.81	YES
L0002612	0	0.11010E-06	402103.6 3754587.5	44.1	3.50	4.00	5.81	YES
L0002613	0	0.11010E-06	402112.2 3754587.5	44.1	3.50	4.00	5.81	YES
L0002614	0	0.11010E-06	402120.8 3754587.6	44.1	3.50	4.00	5.81	YES
L0002615	0	0.11010E-06	402129.4 3754587.6	44.2	3.50	4.00	5.81	YES
L0002616	0	0.11010E-06	402138.0 3754587.7	44.2	3.50	4.00	5.81	YES
L0002617	0	0.11010E-06	402146.6 3754587.7	44.2	3.50	4.00	5.81	YES
L0002618	0	0.11010E-06	402155.2 3754587.8	44.2	3.50	4.00	5.81	YES
L0002619	0	0.11010E-06	402163.8 3754587.8	44.3	3.50	4.00	5.81	YES
L0002620	0	0.11010E-06	402172.3 3754587.9	44.2	3.50	4.00	5.81	YES
L0002621	0	0.11010E-06	402180.9 3754587.9	44.0	3.50	4.00	5.81	YES
L0000191	0	0.23220E-07	402196.6 3754675.4	44.7	3.49	4.00	1.62	YES
L0000192	0	0.23220E-07	402196.9 3754683.9	44.8	3.49	4.00	1.62	YES
L0000193	0	0.23220E-07	402197.2 3754692.5	44.9	3.49	4.00	1.62	YES
L0000194	0	0.23220E-07	402197.6 3754701.1	44.9	3.49	4.00	1.62	YES
L0000195	0	0.23220E-07	402197.9 3754709.7	44.9	3.49	4.00	1.62	YES
L0000196	0	0.23220E-07	402198.2 3754718.3	45.0	3.49	4.00	1.62	YES
L0000197	0	0.23220E-07	402198.6 3754726.9	45.0	3.49	4.00	1.62	YES
L0000198	0	0.23220E-07	402199.2 3754735.4	45.1	3.49	4.00	1.62	YES
L0000199	0	0.23220E-07	402199.8 3754744.0	45.1	3.49	4.00	1.62	YES
L0000200	0	0.23220E-07	402200.4 3754752.6	45.2	3.49	4.00	1.62	YES
L0000201	0	0.23220E-07	402201.0 3754761.1	45.3	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATH	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000202	0	0.23220E-07	402201.6	3754769.7	45.3	3.49	4.00	1.62	YES	
L0000203	0	0.23220E-07	402202.2	3754778.3	45.4	3.49	4.00	1.62	YES	
L0000204	0	0.23220E-07	402202.3	3754786.9	45.4	3.49	4.00	1.62	YES	
L0000205	0	0.23220E-07	402202.3	3754795.5	45.5	3.49	4.00	1.62	YES	
L0000206	0	0.23220E-07	402202.2	3754804.0	45.5	3.49	4.00	1.62	YES	
L0000207	0	0.23220E-07	402202.2	3754812.6	45.6	3.49	4.00	1.62	YES	
L0000208	0	0.23220E-07	402202.1	3754821.2	45.6	3.49	4.00	1.62	YES	
L0000209	0	0.23220E-07	402202.1	3754829.8	45.6	3.49	4.00	1.62	YES	
L0000210	0	0.23220E-07	402202.0	3754838.4	45.6	3.49	4.00	1.62	YES	
L0000211	0	0.23220E-07	402202.0	3754847.0	45.7	3.49	4.00	1.62	YES	
L0000212	0	0.23220E-07	402201.9	3754855.6	45.7	3.49	4.00	1.62	YES	
L0000213	0	0.23220E-07	402201.9	3754864.2	45.8	3.49	4.00	1.62	YES	
L0000214	0	0.23220E-07	402201.8	3754872.8	45.9	3.49	4.00	1.62	YES	
L0000215	0	0.23220E-07	402201.8	3754881.3	46.0	3.49	4.00	1.62	YES	

L0000216	0	0.23220E-07	402201.8 3754889.9	46.0	3.49	4.00	1.62	YES
L0000217	0	0.23220E-07	402201.7 3754898.5	46.0	3.49	4.00	1.62	YES
L0000218	0	0.23220E-07	402201.7 3754907.1	46.1	3.49	4.00	1.62	YES
L0000219	0	0.23220E-07	402201.8 3754915.7	46.1	3.49	4.00	1.62	YES
L0000220	0	0.23220E-07	402202.0 3754924.3	46.2	3.49	4.00	1.62	YES
L0000221	0	0.23220E-07	402202.1 3754932.9	46.2	3.49	4.00	1.62	YES
L0000222	0	0.23220E-07	402202.2 3754941.5	46.3	3.49	4.00	1.62	YES
L0000223	0	0.23220E-07	402202.3 3754950.1	46.3	3.49	4.00	1.62	YES
L0000224	0	0.23220E-07	402202.5 3754958.7	46.3	3.49	4.00	1.62	YES
L0000225	0	0.23220E-07	402202.6 3754967.2	46.4	3.49	4.00	1.62	YES
L0000226	0	0.23220E-07	402202.7 3754975.8	46.4	3.49	4.00	1.62	YES
L0000227	0	0.23220E-07	402202.8 3754984.4	46.4	3.49	4.00	1.62	YES
L0000228	0	0.23220E-07	402203.0 3754993.0	46.4	3.49	4.00	1.62	YES
L0000229	0	0.23220E-07	402203.1 3755001.6	46.5	3.49	4.00	1.62	YES
L0000230	0	0.23220E-07	402203.2 3755010.2	46.5	3.49	4.00	1.62	YES
L0000231	0	0.23220E-07	402203.2 3755018.8	46.4	3.49	4.00	1.62	YES
L0000232	0	0.23220E-07	402203.2 3755027.4	46.4	3.49	4.00	1.62	YES
L0000233	0	0.23220E-07	402203.2 3755036.0	46.3	3.49	4.00	1.62	YES
L0000234	0	0.23220E-07	402203.2 3755044.5	46.2	3.49	4.00	1.62	YES
L0000235	0	0.23220E-07	402203.2 3755053.1	46.1	3.49	4.00	1.62	YES
L0000236	0	0.23220E-07	402203.2 3755061.7	45.9	3.49	4.00	1.62	YES
L0000237	0	0.23220E-07	402203.2 3755070.3	45.8	3.49	4.00	1.62	YES
L0000238	0	0.23220E-07	402205.1 3755078.3	45.8	3.49	4.00	1.62	YES
L0000239	0	0.23220E-07	402211.1 3755083.2	45.9	3.49	4.00	1.62	YES
L0000240	0	0.23220E-07	402219.7 3755083.3	46.2	3.49	4.00	1.62	YES
L0000241	0	0.23220E-07	402228.3 3755083.4	46.4	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0000242	0	0.23220E-07	402236.9	3755083.4	46.5	3.49	4.00	1.62	YES	
L0000243	0	0.23220E-07	402245.4	3755083.5	46.6	3.49	4.00	1.62	YES	
L0000244	0	0.23220E-07	402254.0	3755083.6	46.6	3.49	4.00	1.62	YES	
L0000245	0	0.23220E-07	402262.6	3755083.6	46.7	3.49	4.00	1.62	YES	
L0000246	0	0.23220E-07	402271.2	3755083.7	46.7	3.49	4.00	1.62	YES	
L0000247	0	0.23220E-07	402279.8	3755083.8	46.7	3.49	4.00	1.62	YES	
L0000248	0	0.23220E-07	402288.4	3755083.8	46.7	3.49	4.00	1.62	YES	
L0000249	0	0.23220E-07	402297.0	3755083.9	46.7	3.49	4.00	1.62	YES	
L0000250	0	0.23220E-07	402305.6	3755084.0	46.7	3.49	4.00	1.62	YES	
L0000251	0	0.23220E-07	402314.2	3755084.0	46.7	3.49	4.00	1.62	YES	
L0000252	0	0.23220E-07	402322.8	3755084.1	46.7	3.49	4.00	1.62	YES	

L0000253	0	0.23220E-07	402331.3 3755084.2	46.6	3.49	4.00	1.62	YES	
L0000254	0	0.23220E-07	402339.9 3755084.3	46.6	3.49	4.00	1.62	YES	
L0000255	0	0.23220E-07	402348.5 3755084.3	46.6	3.49	4.00	1.62	YES	
L0000256	0	0.23220E-07	402357.1 3755084.4	46.6	3.49	4.00	1.62	YES	
L0000257	0	0.23220E-07	402365.7 3755084.5	46.7	3.49	4.00	1.62	YES	
L0000258	0	0.23220E-07	402374.3 3755084.5	46.8	3.49	4.00	1.62	YES	
L0000259	0	0.23220E-07	402382.9 3755084.6	46.8	3.49	4.00	1.62	YES	
L0000260	0	0.23220E-07	402391.5 3755084.7	46.8	3.49	4.00	1.62	YES	
L0000261	0	0.23220E-07	402400.1 3755084.7	46.9	3.49	4.00	1.62	YES	
L0000262	0	0.23220E-07	402408.6 3755084.8	46.9	3.49	4.00	1.62	YES	
L0000263	0	0.23220E-07	402417.2 3755084.9	46.9	3.49	4.00	1.62	YES	
L0000264	0	0.23220E-07	402425.8 3755084.9	46.9	3.49	4.00	1.62	YES	
L0000265	0	0.23220E-07	402434.4 3755085.0	46.9	3.49	4.00	1.62	YES	
L0000266	0	0.23220E-07	402443.0 3755085.1	46.9	3.49	4.00	1.62	YES	
L0000267	0	0.23220E-07	402451.6 3755085.2	46.9	3.49	4.00	1.62	YES	
L0000268	0	0.23220E-07	402460.2 3755085.2	46.9	3.49	4.00	1.62	YES	
L0000269	0	0.23220E-07	402468.5 3755087.2	47.0	3.49	4.00	1.62	YES	
L0000270	0	0.23220E-07	402468.7 3755095.7	47.0	3.49	4.00	1.62	YES	
L0000271	0	0.23220E-07	402468.8 3755104.3	47.1	3.49	4.00	1.62	YES	
L0000272	0	0.23220E-07	402468.8 3755112.9	47.2	3.49	4.00	1.62	YES	
L0000273	0	0.23220E-07	402468.9 3755121.5	47.4	3.49	4.00	1.62	YES	
L0000274	0	0.23220E-07	402468.9 3755130.1	47.5	3.49	4.00	1.62	YES	
L0000275	0	0.23220E-07	402469.0 3755138.7	47.5	3.49	4.00	1.62	YES	
L0000276	0	0.23220E-07	402469.1 3755147.2	47.6	3.49	4.00	1.62	YES	
L0000277	0	0.23220E-07	402469.1 3755155.8	47.6	3.49	4.00	1.62	YES	
L0000278	0	0.23220E-07	402469.2 3755164.4	47.6	3.49	4.00	1.62	YES	
L0000279	0	0.23220E-07	402469.2 3755173.0	47.5	3.49	4.00	1.62	YES	
L0000280	0	0.23220E-07	402469.3 3755181.6	47.5	3.49	4.00	1.62	YES	
L0000281	0	0.23220E-07	402469.4 3755190.2	47.5	3.49	4.00	1.62	YES	
*** AERMOD -	VED C T ON	т Э111Э ***	*** C:\Lakes\AERMOD	Wiew\ Gree	angtone O	/\Creenst	one OV is	7	
AERMOD -	A PIVO TOW	. 21112	C. (Lakes (AERMOD	ATCM/GTGG	TID COILE OF	/Greensc	JIIC 01.150	-	

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0000282	0	0.23220E-07	402469.4	3755198.8	47.5	3.49	4.00	1.62	YES		
L0000283	0	0.23220E-07	402469.5	3755207.4	47.5	3.49	4.00	1.62	YES		
L0000284	0	0.23220E-07	402469.5	3755216.0	47.6	3.49	4.00	1.62	YES		
L0000285	0	0.23220E-07	402469.6	3755224.5	47.6	3.49	4.00	1.62	YES		
L0000286	0	0.23220E-07	402469.7	3755233.1	47.7	3.49	4.00	1.62	YES		
L0000287	0	0.23220E-07	402469.7	3755241.7	47.8	3.49	4.00	1.62	YES		
L0000288	0	0.23220E-07	402469.8	3755250.3	47.9	3.49	4.00	1.62	YES		
L0000289	0	0.23220E-07	402469.8	3755258.9	47.8	3.49	4.00	1.62	YES		

L0000290	0	0.23220E-07		3755267.5	47.8	3.49	4.00	1.62	YES
L0000291	0	0.23220E-07		3755276.1	47.7	3.49	4.00	1.62	YES
L0000292	0	0.23220E-07		3755284.7	47.7	3.49	4.00	1.62	YES
L0000293	0	0.23220E-07		3755293.3	47.8	3.49	4.00	1.62	YES
L0000294	0	0.23220E-07		3755301.9	47.9	3.49	4.00	1.62	YES
L0000295	0	0.23220E-07	402470.2	3755310.4	47.9	3.49	4.00	1.62	YES
L0000296	0	0.23220E-07	402470.3	3755319.0	48.0	3.49	4.00	1.62	YES
L0000297	0	0.23220E-07	402470.3	3755327.6	48.0	3.49	4.00	1.62	YES
L0000298	0	0.23220E-07	402470.4	3755336.2	48.1	3.49	4.00	1.62	YES
L0000299	0	0.23220E-07	402470.4	3755344.8	48.1	3.49	4.00	1.62	YES
L0000300	0	0.23220E-07	402470.5	3755353.4	48.0	3.49	4.00	1.62	YES
L0000301	0	0.23220E-07	402470.6	3755362.0	48.0	3.49	4.00	1.62	YES
L0000302	0	0.23220E-07	402470.6	3755370.6	48.0	3.49	4.00	1.62	YES
L0000303	0	0.23220E-07	402470.7	3755379.2	48.0	3.49	4.00	1.62	YES
L0000304	0	0.23220E-07	402470.7	3755387.8	48.1	3.49	4.00	1.62	YES
L0000305	0	0.23220E-07	402470.8	3755396.3	48.2	3.49	4.00	1.62	YES
L0000306	0	0.23220E-07	402470.9	3755404.9	48.2	3.49	4.00	1.62	YES
L0000307	0	0.23220E-07	402470.9	3755413.5	48.2	3.49	4.00	1.62	YES
L0000308	0	0.23220E-07	402471.0	3755422.1	48.3	3.49	4.00	1.62	YES
L0000309	0	0.23220E-07	402471.0	3755430.7	48.3	3.49	4.00	1.62	YES
L0000310	0	0.23220E-07	402471.1	3755439.3	48.3	3.49	4.00	1.62	YES
L0000311	0	0.23220E-07	402471.2	3755447.9	48.4	3.49	4.00	1.62	YES
L0000312	0	0.23100E-07	402197.9	3754584.0	43.8	3.49	4.00	1.62	YES
L0000313	0	0.23100E-07	402197.9	3754575.4	43.7	3.49	4.00	1.62	YES
L0000314	0	0.23100E-07	402198.0	3754566.8	43.6	3.49	4.00	1.62	YES
L0000315	0	0.23100E-07	402198.0	3754558.2	43.5	3.49	4.00	1.62	YES
L0000316	0	0.23100E-07	402198.0	3754549.6	43.5	3.49	4.00	1.62	YES
L0000317	0	0.23100E-07	402198.0	3754541.0	43.4	3.49	4.00	1.62	YES
L0000318	0	0.23100E-07	402198.1	3754532.5	43.2	3.49	4.00	1.62	YES
L0000319	0	0.23100E-07	402198.1	3754523.9	43.1	3.49	4.00	1.62	YES
L0000320	0	0.23100E-07	402198.1	3754515.3	42.9	3.49	4.00	1.62	YES
L0000321	0	0.23100E-07	402198.1	3754506.7	42.8	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	_
L0000322	0	0.23100E-07	402198.2	3754498.1	42.6	3.49	4.00	1.62	YES		
L0000323	0	0.23100E-07	402198.2	3754489.5	42.5	3.49	4.00	1.62	YES		
L0000324	0	0.23100E-07	402198.2	3754480.9	42.4	3.49	4.00	1.62	YES		
L0000325	0	0.23100E-07	402198.2	3754472.3	42.3	3.49	4.00	1.62	YES		
L0000326	0	0.23100E-07	402198.3	3754463.7	42.2	3.49	4.00	1.62	YES		

L0000327	0	0.23100E-07		3754455.1	42.1	3.49	4.00	1.62	YES
L0000328	0	0.23100E-07		3754446.6	42.0	3.49	4.00	1.62	YES
L0000329	0	0.23100E-07		3754438.0	41.9	3.49	4.00	1.62	YES
L0000330	0	0.23100E-07	402198.4	3754429.4	41.8	3.49	4.00	1.62	YES
L0000331	0	0.23100E-07	402198.4	3754420.8	41.7	3.49	4.00	1.62	YES
L0000332	0	0.23100E-07	402198.4	3754412.2	41.6	3.49	4.00	1.62	YES
L0000333	0	0.23100E-07	402198.5	3754403.6	41.5	3.49	4.00	1.62	YES
L0000334	0	0.23100E-07	402198.5	3754395.0	41.4	3.49	4.00	1.62	YES
L0000335	0	0.23100E-07	402198.5	3754386.4	41.3	3.49	4.00	1.62	YES
L0000336	0	0.23100E-07	402198.5	3754377.8	41.1	3.49	4.00	1.62	YES
L0000337	0	0.23100E-07	402198.6	3754369.2	40.9	3.49	4.00	1.62	YES
L0000338	0	0.23100E-07	402198.6	3754360.7	40.7	3.49	4.00	1.62	YES
L0000339	0	0.23100E-07	402198.6	3754352.1	40.6	3.49	4.00	1.62	YES
L0000340	0	0.23100E-07	402198.7	3754343.5	40.5	3.49	4.00	1.62	YES
L0000341	0	0.23100E-07	402198.7	3754334.9	40.4	3.49	4.00	1.62	YES
L0000342	0	0.23100E-07	402198.7	3754326.3	40.4	3.49	4.00	1.62	YES
L0000343	0	0.23100E-07	402198.7	3754317.7	40.3	3.49	4.00	1.62	YES
L0000344	0	0.23100E-07	402198.8	3754309.1	40.2	3.49	4.00	1.62	YES
L0000345	0	0.23100E-07	402198.8	3754300.5	40.1	3.49	4.00	1.62	YES
L0000346	0	0.23100E-07	402198.8	3754291.9	40.1	3.49	4.00	1.62	YES
L0000347	0	0.23100E-07	402198.8	3754283.3	40.1	3.49	4.00	1.62	YES
L0000348	0	0.23100E-07	402198.9	3754274.8	40.1	3.49	4.00	1.62	YES
L0000349	0	0.23100E-07	402198.9	3754266.2	40.1	3.49	4.00	1.62	YES
L0000350	0	0.23100E-07	402198.9	3754257.6	40.1	3.49	4.00	1.62	YES
L0000351	0	0.23100E-07		3754249.0	40.1	3.49	4.00	1.62	YES
L0000352	0	0.23100E-07		3754240.4	40.1	3.49	4.00	1.62	YES
L0000353	0	0.23100E-07	402199.0	3754231.8	40.0	3.49	4.00	1.62	YES
L0000354	0	0.23100E-07		3754223.2	39.9	3.49	4.00	1.62	YES
L0000355	0	0.23100E-07	402199.1	3754214.6	39.9	3.49	4.00	1.62	YES
L0000356	0	0.23100E-07		3754206.0	39.8	3.49	4.00	1.62	YES
L0000357	0	0.23100E-07		3754197.4	39.7	3.49	4.00	1.62	YES
L0000358	0	0.23100E-07	402199.1	3754188.9	39.6	3.49	4.00	1.62	YES
L0000359	0	0.23100E-07		3754180.3	39.6	3.49	4.00	1.62	YES
L0000360	0	0.23100E-07		3754171.7	39.5	3.49	4.00	1.62	YES
L0000361	0	0.23100E-07		3754163.1	39.5	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATI	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0000362	0	0.23100E-07	402199.2	3754154.5	39.4	3.49	4.00	1.62	YES		
L0000363	0	0.23100E-07	402199.3	3754145.9	39.4	3.49	4.00	1.62	YES		

L0000364	0	0.23100E-07	402199.3 3754137.3	39.4	3.49	4.00	1.62	YES		
L0000365	0	0.23100E-07	402199.3 3754128.7	39.3	3.49	4.00	1.62	YES		
L0000366	0	0.23100E-07	402199.4 3754120.1	39.3	3.49	4.00	1.62	YES		
L0000367	0	0.23100E-07	402199.4 3754111.5	39.3	3.49	4.00	1.62	YES		
L0000368	0	0.23100E-07	402199.4 3754103.0	39.3	3.49	4.00	1.62	YES		
L0000369	0	0.23100E-07	402199.4 3754094.4	39.4	3.49	4.00	1.62	YES		
L0000370	0	0.23100E-07	402199.5 3754085.8	39.4	3.49	4.00	1.62	YES		
L0000371	0	0.23100E-07	402199.5 3754077.2	39.5	3.49	4.00	1.62	YES		
L0000372	0	0.23100E-07	402199.5 3754068.6	39.5	3.49	4.00	1.62	YES		
L0000373	0	0.23100E-07	402199.5 3754060.0	39.5	3.49	4.00	1.62	YES		
L0000374	0	0.23100E-07	402199.6 3754051.4	39.6	3.49	4.00	1.62	YES		
L0000375	0	0.23100E-07	402199.6 3754042.8	39.5	3.49	4.00	1.62	YES		
L0000376	0	0.23100E-07	402199.6 3754034.2	39.4	3.49	4.00	1.62	YES		
L0000377	0	0.23100E-07	402199.6 3754025.6	39.3	3.49	4.00	1.62	YES		
L0000378	0		402199.7 3754017.1	39.3	3.49	4.00	1.62	YES		
L0000379	0		402199.7 3754008.5	39.2	3.49	4.00	1.62	YES		
L0000380	0		402199.7 3753999.9	39.1	3.49	4.00	1.62	YES		
L0000381	0		402199.8 3753991.3	39.0	3.49	4.00	1.62	YES		
L0000382	0		402199.8 3753982.7	38.9	3.49	4.00	1.62	YES		
L0000383	0		402199.8 3753974.1	38.7	3.49	4.00	1.62	YES		
L0000384	0		402199.8 3753965.5	38.6	3.49	4.00	1.62	YES		
L0000385	0		402199.9 3753956.9	38.5	3.49	4.00	1.62	YES		
L0000386	0		402199.9 3753948.3	38.4	3.49	4.00	1.62	YES		
L0000387	0		402199.9 3753939.8	38.3	3.49	4.00	1.62	YES		
L0000387	0		402199.9 3753931.2	38.3	3.49	4.00	1.62	YES		
L0000389	0		402200.0 3753922.6	38.2	3.49	4.00	1.62	YES		
L0000309	0		402200.0 3753914.0	38.2	3.49	4.00	1.62	YES		
L0000390	0		402200.0 3753905.4	38.2	3.49	4.00	1.62	YES		
L0000391	0	0.23100E-07		38.1	3.49	4.00	1.62	YES		
L0000392	0		402202.3 3753888.7	38.0	3.49	4.00	1.62	YES		
L0000393	0		402210.2 3753886.8	38.1	3.49	4.00	1.62	YES		
L0000394	0		402210.2 3733886.8	38.3	3.49	4.00	1.62	YES		
L0000393	0		402227.3 3753886.8	38.5	3.49	4.00	1.62	YES		
L0000390	0		402235.9 3753886.8	38.7	3.49	4.00	1.62	YES		
L0000397	0		402244.5 3753886.8	38.8	3.49	4.00	1.62	YES		
L0000398	0		402253.1 3753886.8	39.0	3.49	4.00	1.62	YES		
L0000399	0	0.23100E-07 0.23100E-07			3.49	4.00				
				39.1			1.62	YES		
L0000401	0	0.23100E-07	402270.3 3753886.9	39.2	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	J 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 01	Y\Greensto	one OY.iso	C	***	01/20/22
*** AERMET -			*** 19471 Greenstone						***	14:34:40
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	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION R	ATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VA	λRY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	

L0000402	0	0.23100E-07	402278.9 3753886.9	39.4	3.49	4.00	1.62	YES
L0000403	0	0.23100E-07	402287.5 3753886.9	39.6	3.49	4.00	1.62	YES
L0000404	0	0.23100E-07	402296.1 3753886.9	39.7	3.49	4.00	1.62	YES
L0000405	0	0.23100E-07	402304.6 3753886.9	39.8	3.49	4.00	1.62	YES
L0000406	0	0.23100E-07	402313.2 3753886.9	39.8	3.49	4.00	1.62	YES
L0000407	0	0.23100E-07	402321.8 3753886.9	40.0	3.49	4.00	1.62	YES
L0000408	0	0.23100E-07	402330.4 3753886.9	40.3	3.49	4.00	1.62	YES
L0000409	0	0.23100E-07	402339.0 3753887.0	40.5	3.49	4.00	1.62	YES
L0000410	0	0.23100E-07	402347.6 3753887.0	40.6	3.49	4.00	1.62	YES
L0000411	0	0.23100E-07	402356.2 3753887.0	40.8	3.49	4.00	1.62	YES
L0000412	0	0.23100E-07	402364.8 3753887.0	41.0	3.49	4.00	1.62	YES
L0000413	0	0.23100E-07	402373.4 3753887.0	41.1	3.49	4.00	1.62	YES
L0000414	0	0.23100E-07	402382.0 3753887.0	41.2	3.49	4.00	1.62	YES
L0000415	0	0.23100E-07	402390.5 3753887.0	41.3	3.49	4.00	1.62	YES
L0000416	0	0.23100E-07	402399.1 3753887.0	41.5	3.49	4.00	1.62	YES
L0000417	0	0.23100E-07	402407.7 3753887.1	41.7	3.49	4.00	1.62	YES
L0000418	0	0.23100E-07	402416.3 3753887.1	41.9	3.49	4.00	1.62	YES
L0000419	0	0.23100E-07	402424.9 3753887.1	41.9	3.49	4.00	1.62	YES
L0000420	0	0.23100E-07	402433.5 3753887.1	42.0	3.49	4.00	1.62	YES
L0000421	0	0.23100E-07	402442.1 3753887.1	42.0	3.49	4.00	1.62	YES
L0000422	0	0.23100E-07	402450.7 3753887.1	42.0	3.49	4.00	1.62	YES
L0000423	0	0.23100E-07	402459.1 3753886.3	42.0	3.49	4.00	1.62	YES
L0000424	0	0.23100E-07	402465.7 3753881.5	41.9	3.49	4.00	1.62	YES
L0000425	0	0.23100E-07	402467.9 3753873.3	41.8	3.49	4.00	1.62	YES
L0000426	0	0.23100E-07	402468.8 3753864.7	41.7	3.49	4.00	1.62	YES
L0000427	0	0.23100E-07	402468.9 3753856.1	41.7	3.49	4.00	1.62	YES
L0000428	0	0.23100E-07	402468.9 3753847.5	41.6	3.49	4.00	1.62	YES
L0000429	0	0.23100E-07	402468.9 3753839.0	41.6	3.49	4.00	1.62	YES
L0000430	0	0.23100E-07	402468.9 3753830.4	41.6	3.49	4.00	1.62	YES
L0000431	0	0.23100E-07	402468.9 3753821.8	41.6	3.49	4.00	1.62	YES
L0000432	0	0.23100E-07	402468.9 3753813.2	41.6	3.49	4.00	1.62	YES
L0000433	0	0.23100E-07	402469.0 3753804.6	41.6	3.49	4.00	1.62	YES
L0000434	0	0.23100E-07	402469.0 3753796.0	41.5	3.49	4.00	1.62	YES
L0000435	0	0.23100E-07	402469.0 3753787.4	41.5	3.49	4.00	1.62	YES
L0000436	0	0.23100E-07	402469.0 3753778.8	41.5	3.49	4.00	1.62	YES
L0000437	0	0.23100E-07	402469.0 3753770.2	41.5	3.49	4.00	1.62	YES
L0000438	0	0.23100E-07	402469.0 3753761.6	41.4	3.49	4.00	1.62	YES
L0000439	0	0.23100E-07	402469.0 3753753.1	41.4	3.49	4.00	1.62	YES
L0000440	0	0.23100E-07	402469.0 3753744.5	41.3	3.49	4.00	1.62	YES
L0000441	0	0.23100E-07	402469.1 3753735.9	41.3	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

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SOURCE ID	PART. CATS.	(GRAMS/SEC)		Y (METERS)	ELEV.	HEIGHT	SY (METERS)	SZ (METERS)	SOURCE	SCALAR VARY BY	
- 0000440	0	0 00100= 05	100160 1	200000	41 0	2 40	4 00	1 60			
L0000442		0.23100E-07			41.2	3.49	4.00	1.62	YES		
L0000443		0.23100E-07			41.1	3.49	4.00	1.62	YES		
L0000444	0	0.23100E-07			41.1	3.49	4.00	1.62	YES		
L0000445	0	0.23100E-07			41.0	3.49	4.00	1.62	YES		
L0000446	0	0.23100E-07			40.9	3.49	4.00	1.62	YES		
L0000447	0	0.23100E-07			40.9	3.49	4.00	1.62	YES		
L0000448	0	0.23100E-07			40.8	3.49	4.00	1.62	YES		
L0000449	0	0.23100E-07			40.7	3.49	4.00	1.62	YES		
L0000450	0	0.23100E-07			40.6	3.49	4.00	1.62	YES		
L0000451	0	0.23100E-07			40.5	3.49	4.00	1.62	YES		
L0000452	0	0.23100E-07			40.4	3.49	4.00	1.62	YES		
L0000453	0	0.23100E-07			40.3	3.49	4.00	1.62	YES		
L0000454	0	0.23100E-07			40.2	3.49	4.00	1.62	YES		
L0000455	0	0.23100E-07			40.1	3.49	4.00	1.62	YES		
L0000456	0	0.23100E-07			40.0	3.49	4.00	1.62	YES		
L0000457	0	0.23100E-07			39.9	3.49	4.00	1.62	YES		
L0000458	0	0.23100E-07			39.8	3.49	4.00	1.62	YES		
L0000459	0	0.23100E-07			39.6	3.49	4.00	1.62	YES		
L0000460	0	0.23100E-07	402469.3	3753572.7	39.5	3.49	4.00	1.62	YES		
L0000461	0	0.23100E-07			39.4	3.49	4.00	1.62	YES		
L0000462	0	0.23100E-07	402469.3	3753555.5	39.3	3.49	4.00	1.62	YES		
L0000463	0	0.23100E-07	402469.3	3753546.9	39.1	3.49	4.00	1.62	YES		
L0000464	0	0.23100E-07	402469.4	3753538.3	39.0	3.49	4.00	1.62	YES		
L0000465	0	0.23100E-07	402469.4	3753529.7	38.9	3.49	4.00	1.62	YES		
L0000466	0	0.23100E-07	402469.4	3753521.1	38.7	3.49	4.00	1.62	YES		
L0000467	0	0.23100E-07	402469.4	3753512.5	38.4	3.49	4.00	1.62	YES		
L0000468	0	0.23100E-07	402469.4	3753503.9	38.2	3.49	4.00	1.62	YES		
L0000469	0	0.23100E-07	402469.4	3753495.4	38.0	3.49	4.00	1.62	YES		
L0000470	0	0.11570E-07	400852.5	3753485.2	32.9	3.49	4.00	1.62	YES		
L0000471	0	0.11570E-07	400861.1	3753485.2	32.9	3.49	4.00	1.62	YES		
L0000472	0	0.11570E-07	400869.7	3753485.3	32.9	3.49	4.00	1.62	YES		
L0000473	0	0.11570E-07	400878.2	3753485.3	32.8	3.49	4.00	1.62	YES		
L0000474	0	0.11570E-07	400886.8	3753485.3	32.8	3.49	4.00	1.62	YES		
L0000475	0	0.11570E-07	400895.4	3753485.4	32.8	3.49	4.00	1.62	YES		
L0000476	0	0.11570E-07	400904.0	3753485.4	32.8	3.49	4.00	1.62	YES		
L0000477	0	0.11570E-07	400912.6	3753485.4	32.8	3.49	4.00	1.62	YES		
L0000478	0	0.11570E-07	400921.2	3753485.5	32.8	3.49	4.00	1.62	YES		
L0000479	0	0.11570E-07	400929.8	3753485.5	32.8	3.49	4.00	1.62	YES		
L0000480	0	0.11570E-07	400938.4	3753485.5	32.8	3.49	4.00	1.62	YES		
L0000481	0	0.11570E-07	400947.0	3753485.6	32.8	3.49	4.00	1.62	YES		
*** AERMOD -	VERSTON	21112 ***	*** C:\Ta	kes\AERM∩r	View\Gr	eenstone (OY\Greenst	one OV is	C	***	01/20/22
*** AERMET -									-	***	14:34:40
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*** MODELODES	. Do	CONC.	TT.TV IID	דרוע זועם.	*						

*** VOLUME SOURCE DATA ***

BASE RELEASE INIT. INIT. URBAN EMISSION RATE

NUMBER EMISSION RATE

LOCO0482 0 0.115708-07 400955.6 3753485.6 32.8 3.49 4.00 1.62 YES 1.0000483 0 0.115708-07 400954.1 3753485.6 32.8 3.49 4.00 1.62 YES 1.0000484 0 0.115708-07 400954.1 3753485.6 32.8 3.49 4.00 1.62 YES 1.0000486 0 0.115708-07 400954.3 3753485.7 32.8 3.49 4.00 1.62 YES 1.0000486 0 0.115708-07 400981.3 3753485.7 32.8 3.49 4.00 1.62 YES 1.0000486 0 0.115708-07 400981.3 3753485.7 32.8 3.49 4.00 1.62 YES 1.0000486 0 0.115708-07 400981.3 3753485.8 32.7 3.49 4.00 1.62 YES 1.0000487 0 0.115708-07 400981.3 3753485.8 32.7 3.49 4.00 1.62 YES 1.0000489 0 0.115708-07 400981.3 3753485.8 32.7 3.49 4.00 1.62 YES 1.0000489 0 0.115708-07 400981.3 3753485.8 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 400049.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40003.2 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40032.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40032.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40032.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753485.9 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000490 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000500 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000500 0 0.115708-07 40050.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000500 0 0.115708-07 400504.3 3753486.0 32.7 3.49 4.00 1.62 YES 1.0000500 0 0.115708-07 400504.3 3753486.3 32.5 3.49 4.	SOURCE		(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ		SCALAR VARY	
L0000482										BOORCE		
L0000483												
L0000483												
L0000485	L0000482	0	0.11570E-07	400955.6	3753485.6	32.8	3.49	4.00	1.62	YES		
L0000486	L0000483	0	0.11570E-07	400964.1	3753485.6	32.8	3.49	4.00	1.62	YES		
L0000486	L0000484	0	0.11570E-07	400972.7	3753485.7	32.8	3.49	4.00	1.62	YES		
L0000487	L0000485	0	0.11570E-07	400981.3	3753485.7	32.8	3.49	4.00	1.62	YES		
L0000489	L0000486	0	0.11570E-07	400989.9	3753485.7	32.8	3.49	4.00	1.62	YES		
L0000489	L0000487	0	0.11570E-07	400998.5	3753485.8	32.7	3.49	4.00	1.62	YES		
L0000490	L0000488	0	0.11570E-07	401007.1	3753485.8	32.7	3.49	4.00	1.62	YES		
L0000492	L0000489	0	0.11570E-07	401015.7	3753485.8	32.7	3.49	4.00	1.62	YES		
L0000492	L0000490	0	0.11570E-07	401024.3	3753485.9	32.7	3.49	4.00	1.62	YES		
L0000493	L0000491	0	0.11570E-07	401032.9	3753485.9	32.7	3.49	4.00	1.62	YES		
L0000494	L0000492	0	0.11570E-07	401041.5	3753485.9	32.7	3.49	4.00	1.62	YES		
L0000495	L0000493	0	0.11570E-07	401050.0	3753486.0	32.7	3.49	4.00	1.62	YES		
L0000496	L0000494	0	0.11570E-07	401058.6	3753486.0	32.7	3.49	4.00	1.62	YES		
L0000497	L0000495	0	0.11570E-07	401067.2	3753486.0	32.7	3.49	4.00	1.62	YES		
L0000498	L0000496	0	0.11570E-07	401075.8	3753486.1	32.7	3.49	4.00	1.62	YES		
L0000499	L0000497	0	0.11570E-07	401084.4	3753486.1	32.7	3.49	4.00	1.62	YES		
L0000500	L0000498	0	0.11570E-07	401093.0	3753486.2	32.6	3.49	4.00	1.62	YES		
L0000501	L0000499	0	0.11570E-07	401101.6	3753486.2	32.6	3.49	4.00	1.62	YES		
L0000502	L0000500	0	0.11570E-07	401110.2	3753486.2	32.6	3.49	4.00	1.62	YES		
L0000503	L0000501	0	0.11570E-07	401118.8	3753486.3	32.5	3.49	4.00	1.62	YES		
L0000504	L0000502	0	0.11570E-07	401127.4	3753486.3	32.5	3.49	4.00	1.62	YES		
L0000505	L0000503	0	0.11570E-07	401135.9	3753486.3	32.5	3.49	4.00	1.62	YES		
L0000505	L0000504	0	0.11570E-07	401144.5	3753486.4	32.5	3.49	4.00	1.62	YES		
L0000507	L0000505	0				32.6	3.49	4.00	1.62	YES		
L0000508	L0000506	0	0.11570E-07	401161.7	3753486.4	32.5	3.49	4.00	1.62	YES		
L0000509	L0000507	0	0.11570E-07	401170.3	3753486.5	32.5	3.49	4.00	1.62	YES		
L0000510	L0000508	0	0.11570E-07	401178.9	3753486.5	32.4	3.49	4.00	1.62	YES		
L0000511	L0000509	0	0.11570E-07	401187.5	3753486.5	32.4	3.49	4.00	1.62	YES		
L0000512	L0000510	0	0.11570E-07	401196.1	3753486.6	32.4	3.49	4.00	1.62	YES		
L0000513	L0000511	0	0.11570E-07	401204.7	3753486.6	32.3	3.49	4.00	1.62	YES		
L0000514	L0000512	0	0.11570E-07	401213.3	3753486.6	32.3	3.49	4.00	1.62	YES		
L0000515	L0000513	0	0.11570E-07	401221.8	3753486.7	32.3	3.49	4.00	1.62	YES		
L0000516	L0000514	0	0.11570E-07	401230.4	3753486.7	32.4	3.49	4.00	1.62	YES		
L0000517	L0000515	0	0.11570E-07	401239.0	3753486.7	32.3	3.49	4.00	1.62	YES		
L0000518	L0000516	0	0.11570E-07	401247.6	3753486.8	32.3	3.49	4.00	1.62	YES		
L0000519	L0000517	0	0.11570E-07	401256.2	3753486.8	32.2	3.49	4.00	1.62	YES		
L0000520	L0000518	0	0.11570E-07	401264.8	3753486.8	32.2	3.49	4.00	1.62	YES		
L0000521 0 0.11570E-07 401290.6 3753486.9 32.4 3.49 4.00 1.62 YES *** AERMOD - VERSION 21112 ***	L0000519	0	0.11570E-07	401273.4	3753486.9	32.3	3.49	4.00	1.62	YES		
*** AERMOD - VERSION 21112 ***	L0000520	0	0.11570E-07	401282.0	3753486.9	32.4	3.49	4.00	1.62	YES		
*** AERMET - VERSION 16216 ***	L0000521	0	0.11570E-07	401290.6	3753486.9	32.4	3.49	4.00	1.62	YES		
*** AERMET - VERSION 16216 ***			04440			! \		\				0.1.00.4
ABRIEL VERGION 10210 19171 GLECHSCORE DIM CORE OF 2022									tone OY.is	C		
PAGE 13	*** AERMET -	VERSION	T02T0 ***	^** 19471	Greenston	ie DPM Coi	nc OY 2022	4			***	
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GOVEDGE		EMISSION RAT		77	BASE	RELEASE	INIT.	INIT.		EMISSION RATE
SOURCE		(GRAMS/SEC)		Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)		(METERS)	(METERS)		BY
L0000522	0	0.11570E-07	401299.2	3753487.0	32.4	3.49	4.00	1.62	YES	
L0000523	0	0.11570E-07			32.3	3.49	4.00	1.62	YES	
L0000524	0	0.11570E-07			32.3	3.49	4.00	1.62	YES	
L0000525	0	0.11570E-07			32.3	3.49	4.00	1.62	YES	
L0000526	0	0.11570E-07			32.3	3.49	4.00	1.62	YES	
L0000527	0	0.11570E-07	401342.1	3753487.1	32.2	3.49	4.00	1.62	YES	
L0000528	0	0.11570E-07	401350.7	3753487.2	32.2	3.49	4.00	1.62	YES	
L0000529	0	0.11570E-07	401359.3	3753487.2	32.2	3.49	4.00	1.62	YES	
L0000530	0	0.11570E-07	401367.9	3753487.2	32.2	3.49	4.00	1.62	YES	
L0000531	0	0.11570E-07	401376.5	3753487.3	32.1	3.49	4.00	1.62	YES	
L0000532	0	0.11570E-07	401385.1	3753487.3	32.1	3.49	4.00	1.62	YES	
L0000533	0	0.11570E-07	401393.6	3753487.3	32.2	3.49	4.00	1.62	YES	
L0000534	0	0.11570E-07	401402.2	3753487.4	32.2	3.49	4.00	1.62	YES	
L0000535	0	0.11570E-07	401410.8	3753487.4	32.3	3.49	4.00	1.62	YES	
L0000536	0	0.11570E-07	401419.4	3753487.4	32.4	3.49	4.00	1.62	YES	
L0000537	0	0.11570E-07	401428.0	3753487.5	32.5	3.49	4.00	1.62	YES	
L0000538	0	0.11570E-07	401436.6	3753487.5	32.7	3.49	4.00	1.62	YES	
L0000539	0	0.11570E-07	401445.2	3753487.5	32.8	3.49	4.00	1.62	YES	
L0000540	0	0.11570E-07	401453.8	3753487.6	33.0	3.49	4.00	1.62	YES	
L0000541	0	0.11570E-07	401462.4	3753487.6	33.2	3.49	4.00	1.62	YES	
L0000542	0	0.11570E-07	401471.0	3753487.6	33.2	3.49	4.00	1.62	YES	
L0000543	0	0.11570E-07	401479.5	3753487.7	33.3	3.49	4.00	1.62	YES	
L0000544	0	0.11570E-07	401488.1	3753487.7	33.4	3.49	4.00	1.62	YES	
L0000545	0	0.11570E-07			33.5	3.49	4.00	1.62	YES	
L0000546	0	0.11570E-07			33.5	3.49	4.00	1.62	YES	
L0000547	0	0.11570E-07	401513.9	3753487.8	33.5	3.49	4.00	1.62	YES	
L0000548	0	0.11570E-07			33.6	3.49	4.00	1.62	YES	
L0000549	0	0.11570E-07			33.6	3.49	4.00	1.62	YES	
L0000550	0	0.11570E-07			33.7	3.49	4.00	1.62	YES	
L0000551	0	0.11570E-07			33.8	3.49	4.00	1.62	YES	
L0000552	0	0.11570E-07			33.8	3.49	4.00	1.62	YES	
L0000553	0	0.11570E-07			33.9	3.49	4.00	1.62	YES	
L0000554	0	0.11570E-07			34.0	3.49	4.00	1.62	YES	
L0000555	0	0.11570E-07			34.1	3.49	4.00	1.62	YES	
L0000556	0	0.11570E-07			34.2	3.49	4.00	1.62	YES	
L0000557	0	0.11570E-07			34.3	3.49	4.00	1.62	YES	
L0000558	0	0.11570E-07			34.4	3.49	4.00	1.62	YES	
L0000559	0	0.11570E-07			34.4	3.49	4.00	1.62	YES	
L0000560	0	0.11570E-07			34.5	3.49	4.00	1.62	YES	
L0000561	0	0.11570E-07	401634.2	3753488.3	34.6	3.49	4.00	1.62	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE		EMISSION RATE (GRAMS/SEC)		v	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ		EMISSION RATE SCALAR VARY
ID	CATS.	(GICAPID/DEC)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BOOKCE	BY
										BY
L0000562 L0000563 L0000564 L0000565	0	0.11570E-07					4.00	1.62	YES	
L0000563	0	0.11570E-07					4.00	1.62	YES	
L0000564	0	0.11570E-07					4.00	1.62	YES	
L0000565	0	0.11570E-07					4.00	1.62	YES	
	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000567	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000568	0	0.11570E-07					4.00	1.62	YES	
L0000569	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000570	0	0.11570E-07					4.00	1.62	YES	
L0000571	0	0.11570E-07					4.00	1.62	YES	
L0000572	0	0.11570E-07					4.00	1.62	YES	
L0000573	0	0.11570E-07					4.00	1.62	YES	
L0000574	0	0.11570E-07					4.00	1.62	YES	
L0000575	0	0.11570E-07					4.00	1.62	YES	
L0000576	0	0.11570E-07					4.00	1.62	YES	
L0000577	0	0.11570E-07					4.00	1.62	YES	
L0000578	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000579	0	0.11570E-07					4.00	1.62	YES	
L0000580	0	0.11570E-07					4.00	1.62	YES	
L0000581	0	0.11570E-07					4.00	1.62	YES	
L0000582	0	0.11570E-07					4.00	1.62	YES	
L0000583	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000584	0	0.11570E-07					4.00	1.62	YES	
L0000585	0	0.11570E-07					4.00	1.62	YES	
L0000586	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000587	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000588	0	0.11570E-07					4.00	1.62	YES	
L0000589	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000590	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000591	0	0.11570E-07					4.00	1.62	YES	
L0000592	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000593	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000594	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000595	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000596	0	0.11570E-07					4.00	1.62	YES	
L0000597	0 0 0	0.11570E-07					4.00	1.62	YES	
L0000598	U	0.11570E-07					4.00	1.62	YES	
L0000599	0	0.11570E-07	401960.6	3753489.6	33.4	3.49	4.00	1.62	YES	

L0000600	0	0.11570E-07	401969.2 3753489.6	33.1	3.49	4.00	1.62	YES
L0000601	0	0.11570E-07	401977.8 3753489.6	32.9	3.49	4.00	1.62	YES

*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	, , ,	X	(METERS)	BASE ELEV. (METERS)		INIT. SY (METERS)	INIT. SZ (METERS)	SOURCE	EMISSION RATE SCALAR VARY BY
	0	0.11570E-07	401986.3	3753489.7	33.1	3.49	4.00	1.62	YES	
L0000603	0	0.11570E-07	401994.9	3753489.7	33.3	3.49	4.00	1.62	YES	
L0000604	0	0.11570E-07					4.00	1.62	YES	
L0000605	0	0.11570E-07	402012.1	3753489.8	33.7	3.49	4.00	1.62	YES	
L0000606	0	0.11570E-07			33.9	3.49	4.00	1.62	YES	
L0000607	0	0.11570E-07	402029.3	3753489.8	34.2	3.49	4.00	1.62	YES	
L0000608	0	0.11570E-07	402037.9	3753489.9	34.4	3.49	4.00	1.62	YES	
L0000609	0	0.11570E-07	402046.5	3753489.9		3.49	4.00	1.62	YES	
L0000610	0	0.11570E-07	402055.1	3753489.9	34.7	3.49	4.00	1.62	YES	
L0000611	0	0.11570E-07	402063.7	3753490.0	34.6	3.49	4.00	1.62	YES	
L0000612	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000613	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000614	0	0.11570E-07	402089.4	3753490.1	34.9	3.49	4.00	1.62	YES	
L0000615	0	0.11570E-07	402098.0	3753490.1	35.3	3.49	4.00	1.62	YES	
L0000616	0	0.11570E-07	402106.6	3753490.1	35.7	3.49	4.00	1.62	YES	
L0000617	0	0.11570E-07	402115.2	3753490.2	35.9	3.49	4.00	1.62	YES	
L0000618	0	0.11570E-07	402123.8	3753490.2	36.0	3.49	4.00	1.62	YES	
L0000619	0	0.11570E-07	402132.4	3753490.2	36.1	3.49	4.00	1.62	YES	
L0000620	0	0.11570E-07	402141.0	3753490.3	36.4	3.49	4.00	1.62	YES	
L0000621	0	0.11570E-07	402149.6	3753490.3	36.6	3.49	4.00	1.62	YES	
L0000622	0	0.11570E-07	402158.1	3753490.3	36.8	3.49	4.00	1.62	YES	
L0000623	0	0.11570E-07	402166.7	3753490.4	36.8	3.49	4.00	1.62	YES	
L0000624	0	0.11570E-07	402175.3	3753490.4	36.9	3.49	4.00	1.62	YES	
L0000625	0	0.11570E-07	402183.9	3753490.4	37.0	3.49	4.00	1.62	YES	
L0000626	0	0.11570E-07	402192.5	3753490.5	37.2	3.49	4.00	1.62	YES	
L0000627	0	0.11570E-07	402201.1	3753490.5	37.3	3.49	4.00	1.62	YES	
L0000628	0	0.11570E-07	402209.7	3753490.5	37.5	3.49	4.00	1.62	YES	
L0000629	0	0.11570E-07	402218.3	3753490.6	37.5	3.49	4.00	1.62	YES	
L0000630	0	0.11570E-07	402226.9	3753490.6	37.6	3.49	4.00	1.62	YES	
L0000631	0	0.11570E-07	402235.5	3753490.6	37.7	3.49	4.00	1.62	YES	
L0000632	0	0.11570E-07	402244.0	3753490.7	37.9	3.49	4.00	1.62	YES	
L0000633	0	0.11570E-07	402252.6	3753490.7	38.1	3.49	4.00	1.62	YES	
L0000634	0	0.11570E-07	402261.2	3753490.7	38.3	3.49	4.00	1.62	YES	
L0000635	0	0.11570E-07	402269.8	3753490.8	38.3	3.49	4.00	1.62	YES	
L0000636	0	0.11570E-07	402278.4	3753490.8	38.4	3.49	4.00	1.62	YES	

L0000637	0	0.11570E-07	402287.0 3753490.9	38.4	3.49	4.00	1.62	YES		
L0000638	0	0.11570E-07	402295.6 3753491.0	38.4	3.49	4.00	1.62	YES		
L0000639	0	0.11570E-07	402304.2 3753491.2	38.4	3.49	4.00	1.62	YES		
L0000640	0	0.11570E-07	402312.8 3753491.3	38.4	3.49	4.00	1.62	YES		
L0000641	0	0.11570E-07	402321.4 3753491.4	38.4	3.49	4.00	1.62	YES		
*** AERMOD	- VERSION	N 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone ON	/\Greenst	one OY.is	C	***	01/20/22
*** AERMET	- VERSION	I 16216 ***	*** 19471 Greenstone	DPM Con	c OY 2022				***	14:34:40
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	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
											-
L0000642	0	0.11570E-07				3.49	4.00	1.62	YES		
L0000643	0	0.11570E-07				3.49	4.00	1.62	YES		
L0000644	0	0.11570E-07			38.4	3.49	4.00	1.62	YES		
L0000645	0	0.11570E-07				3.49	4.00	1.62	YES		
L0000646	0	0.11570E-07				3.49	4.00	1.62	YES		
L0000647	0			3753490.7		3.49	4.00	1.62	YES		
L0000648	0			3753490.4		3.49	4.00	1.62	YES		
L0000649	0			3753490.0	38.3	3.49	4.00	1.62	YES		
L0000650	0			3753489.5	38.4	3.49	4.00	1.62	YES		
L0000651	0	0.11570E-07	402407.1	3753488.2	38.4	3.49	4.00	1.62	YES		
L0000652	0			3753487.0		3.49	4.00	1.62	YES		
L0000653	0	0.11570E-07	402424.1	3753485.8	38.4	3.49	4.00	1.62	YES		
L0000654	0	0.11570E-07	402432.6	3753484.6	38.3	3.49	4.00	1.62	YES		
L0000655	0	0.11570E-07				3.49	4.00	1.62	YES		
L0000656	0	0.11570E-07	402449.6	3753481.9	38.0	3.49	4.00	1.62	YES		
L0000657	0	0.11570E-07	402458.0	3753480.4	37.9	3.49	4.00	1.62	YES		
L0000658	0	0.11570E-07	402466.5	3753479.0	37.7	3.49	4.00	1.62	YES		
L0000659	0	0.11570E-07	402475.0	3753477.8	37.6	3.49	4.00	1.62	YES		
L0000660	0	0.11570E-07	402483.5	3753476.8	37.5	3.49	4.00	1.62	YES		
L0000661	0	0.11570E-07	402492.1	3753475.7	37.4	3.49	4.00	1.62	YES		
L0000662	0	0.11570E-07	402500.6	3753474.6	37.4	3.49	4.00	1.62	YES		
L0000663	0	0.11570E-07	402509.1	3753473.5	37.3	3.49	4.00	1.62	YES		
L0000664	0	0.11570E-07	402517.6	3753472.4	37.2	3.49	4.00	1.62	YES		
L0000665	0	0.11570E-07	402526.1	3753471.1	37.1	3.49	4.00	1.62	YES		
L0000666	0	0.11570E-07	402534.6	3753469.9	37.0	3.49	4.00	1.62	YES		
L0000667	0	0.11570E-07	402543.1	3753468.6	36.9	3.49	4.00	1.62	YES		
L0000668	0	0.11570E-07	402551.6	3753467.4	36.8	3.49	4.00	1.62	YES		
L0000669	0	0.11570E-07	402560.2	3753466.9	36.6	3.49	4.00	1.62	YES		
L0000670	0	0.11570E-07	402568.8	3753466.4	36.5	3.49	4.00	1.62	YES		
L0000671	0	0.11570E-07	402577.3	3753465.9	36.4	3.49	4.00	1.62	YES		
L0000672	0	0.11570E-07	402585.9	3753465.3	36.3	3.49	4.00	1.62	YES		
L0000673	0	0.11570E-07	402594.5	3753464.8	36.1	3.49	4.00	1.62	YES		

L0000674	0	0.11570E-07	402603.1 3753464.4	35.9	3.49	4.00	1.62	YES		
L0000675	0	0.11570E-07	402611.7 3753464.5	35.8	3.49	4.00	1.62	YES		
L0000676	0	0.11570E-07	402620.2 3753464.6	35.6	3.49	4.00	1.62	YES		
L0000677	0	0.11570E-07	402628.8 3753464.7	35.5	3.49	4.00	1.62	YES		
L0000678	0	0.11570E-07	402637.4 3753464.8	35.3	3.49	4.00	1.62	YES		
L0000679	0	0.11570E-07	402646.0 3753465.0	35.1	3.49	4.00	1.62	YES		
L0000680	0	0.11570E-07	402654.6 3753465.1	34.9	3.49	4.00	1.62	YES		
L0000681	0	0.11570E-07	402663.2 3753465.2	34.8	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone ON	/\Greensto	ne OY.iso	2	***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Cond	C OY 2022				***	14:34:40
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	NUMBER	EMISSION RATE	<u> </u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
- 0000600	0	0 115505 05	400681 0	2552465	24.6	2 40	4 00	1 60		
L0000682	0	0.11570E-07				3.49	4.00	1.62	YES	
	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000684	0	0.11570E-07			34.2	3.49	4.00	1.62	YES	
L0000685	0	0.11570E-07			34.0	3.49	4.00	1.62	YES	
L0000686	0	0.11570E-07			33.8	3.49	4.00	1.62	YES	
L0000687	0	0.11570E-07			33.5	3.49	4.00	1.62	YES	
L0000688	0	0.11570E-07			33.3	3.49	4.00	1.62	YES	
L0000689	0			3753465.8	33.1	3.49	4.00	1.62	YES	
L0000690	0	0.11570E-07			33.0	3.49	4.00	1.62	YES	
L0000691	0	0.11570E-07			32.8	3.49	4.00	1.62	YES	
L0000692	0	0.11570E-07	402757.7	3753466.0	32.6	3.49	4.00	1.62	YES	
L0000693	0	0.11570E-07	402766.3	3753466.1	32.5	3.49	4.00	1.62	YES	
L0000694	0	0.11570E-07	402774.9	3753466.2	32.3	3.49	4.00	1.62	YES	
L0000695	0	0.11570E-07	402783.4	3753466.3	32.2	3.49	4.00	1.62	YES	
L0000696	0	0.11570E-07	402792.0	3753466.3	32.0	3.49	4.00	1.62	YES	
L0000697	0	0.11570E-07	402800.6	3753466.4	31.9	3.49	4.00	1.62	YES	
L0000698	0	0.11570E-07	402809.2	3753466.5	31.8	3.49	4.00	1.62	YES	
L0000699	0	0.11570E-07	402817.8	3753466.6	31.6	3.49	4.00	1.62	YES	
L0000700	0	0.11570E-07	402826.4	3753466.6	31.4	3.49	4.00	1.62	YES	
L0000701	0	0.11570E-07	402835.0	3753466.7	31.3	3.49	4.00	1.62	YES	
L0000702	0	0.11570E-07	402843.6	3753466.8	31.2	3.49	4.00	1.62	YES	
L0000703	0	0.11570E-07	402852.2	3753466.9	31.1	3.49	4.00	1.62	YES	
L0000704	0	0.11570E-07	402860.8	3753467.0	31.0	3.49	4.00	1.62	YES	
L0000705	0	0.11570E-07		3753467.0	31.0	3.49	4.00	1.62	YES	
L0000706	0	0.11570E-07			31.0	3.49	4.00	1.62	YES	
L0000707	0	0.11570E-07			31.0	3.49	4.00	1.62	YES	
L0000707	0	0.11570E-07			30.9	3.49	4.00	1.62	YES	
	0	0.11570E-07			30.9	3.49	4.00	1.62	YES	
	0	0.11570E-07			30.9	3.49	4.00	1.62	YES	

L0000711	0	0.11570E-07	402920.9 3753467.5	30.9	3.49	4.00	1.62	YES		
L0000712	0	0.11570E-07	402929.5 3753467.6	30.9	3.49	4.00	1.62	YES		
L0000713	0	0.11570E-07	402938.1 3753467.6	30.9	3.49	4.00	1.62	YES		
L0000714	0	0.11570E-07	402946.7 3753467.7	30.9	3.49	4.00	1.62	YES		
L0000715	0	0.11570E-07	402955.2 3753467.8	30.8	3.49	4.00	1.62	YES		
L0000716	0	0.11570E-07	402963.8 3753467.9	30.7	3.49	4.00	1.62	YES		
L0000717	0	0.11570E-07	402972.4 3753467.9	30.6	3.49	4.00	1.62	YES		
L0000718	0	0.11570E-07	402981.0 3753468.0	30.5	3.49	4.00	1.62	YES		
L0000719	0	0.11570E-07	402989.6 3753468.1	30.5	3.49	4.00	1.62	YES		
L0000720	0	0.11570E-07	402998.2 3753468.2	30.5	3.49	4.00	1.62	YES		
L0000721	0	0.11570E-07	403006.8 3753468.3	30.5	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	eenstone O	Y\Greenst	one OY.is	2	***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Cor	nc OY 2022				***	14:34:40

*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RATE]		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
	_									
L0000722	0	0.11570E-07				3.49	4.00	1.62	YES	
L0000723	0	0.11570E-07			30.5	3.49	4.00	1.62	YES	
L0000724	0	0.11570E-07			30.5	3.49	4.00	1.62	YES	
L0000725	0	0.11570E-07		3753468.6	30.5	3.49	4.00	1.62	YES	
L0000726	0	0.11570E-07			30.5	3.49	4.00	1.62	YES	
L0000727	0	0.11570E-07			30.4	3.49	4.00	1.62	YES	
L0000728	0	0.11570E-07			30.4	3.49	4.00	1.62	YES	
L0000729	0	0.11570E-07			30.4	3.49	4.00	1.62	YES	
L0000730	0	0.11570E-07	403084.1	3753468.9	30.4	3.49	4.00	1.62	YES	
L0000731	0	0.11570E-07	403092.7	3753469.0	30.4	3.49	4.00	1.62	YES	
L0000732	0	0.11570E-07	403101.3	3753469.1	30.4	3.49	4.00	1.62	YES	
L0000733	0	0.11570E-07	403109.9	3753469.2	30.4	3.49	4.00	1.62	YES	
L0000734	0	0.11570E-07	403118.4	3753469.2	30.4	3.49	4.00	1.62	YES	
L0000735	0	0.11570E-07	403127.0	3753469.3	30.4	3.49	4.00	1.62	YES	
L0000736	0	0.11570E-07	403135.6	3753469.4	30.4	3.49	4.00	1.62	YES	
L0000737	0	0.11570E-07	403144.2	3753469.5	30.4	3.49	4.00	1.62	YES	
L0000738	0	0.11570E-07	403152.8	3753469.5	30.4	3.49	4.00	1.62	YES	
L0000739	0	0.11570E-07	403161.4	3753469.6	30.4	3.49	4.00	1.62	YES	
L0000740	0	0.11570E-07	403170.0	3753469.7	30.5	3.49	4.00	1.62	YES	
L0000741	0	0.11570E-07	403178.6	3753469.8	30.5	3.49	4.00	1.62	YES	
L0000742	0	0.11570E-07	403187.2	3753469.9	30.5	3.49	4.00	1.62	YES	
L0000743	0	0.11570E-07	403195.8	3753469.9	30.4	3.49	4.00	1.62	YES	
L0000744	0	0.11570E-07			30.4	3.49	4.00	1.62	YES	
L0000745	0			3753470.1	30.3	3.49	4.00	1.62	YES	
L0000746	0			3753470.2	30.3	3.49	4.00	1.62	YES	
L0000747	0	0.11570E-07			30.3	3.49	4.00	1.62	YES	

L0000748	0	0.11570E-07	403238.7 3753470.3	30.4	3.49	4.00	1.62	YES		
L0000749	0	0.11570E-07	403247.3 3753470.4	30.4	3.49	4.00	1.62	YES		
L0000750	0	0.11570E-07	403255.9 3753470.5	30.5	3.49	4.00	1.62	YES		
L0002267	0	0.11570E-07	400847.0 3755482.3	41.8	3.49	4.00	1.62	YES		
L0002268	0	0.11570E-07	400855.6 3755482.3	41.7	3.49	4.00	1.62	YES		
L0002269	0	0.11570E-07	400864.2 3755482.3	41.6	3.49	4.00	1.62	YES		
L0002270	0	0.11570E-07	400872.8 3755482.3	41.6	3.49	4.00	1.62	YES		
L0002271	0	0.11570E-07	400881.4 3755482.3	41.8	3.49	4.00	1.62	YES		
L0002272	0	0.11570E-07	400890.0 3755482.3	41.9	3.49	4.00	1.62	YES		
L0002273	0	0.11570E-07	400898.5 3755482.3	42.0	3.49	4.00	1.62	YES		
L0002274	0	0.11570E-07	400907.1 3755482.3	42.0	3.49	4.00	1.62	YES		
L0002275	0	0.11570E-07	400915.7 3755482.3	42.0	3.49	4.00	1.62	YES		
L0002276	0	0.11570E-07	400924.3 3755482.3	42.1	3.49	4.00	1.62	YES		
L0002277	0	0.11570E-07	400932.9 3755482.3	42.0	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone O	Y\Greensto	one OY.iso		***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c OY 2022				***	14:34:40
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	NUMBER	EMISSION RAT	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002278	0	0.11570E-07	400941.5	3755482.3	42.0	3.49	4.00	1.62	YES	
L0002279	0	0.11570E-07	400950.1	3755482.3	42.2	3.49	4.00	1.62	YES	
L0002280	0	0.11570E-07	400958.7	3755482.3	42.3	3.49	4.00	1.62	YES	
L0002281	0	0.11570E-07	400967.3	3755482.3	42.5	3.49	4.00	1.62	YES	
L0002282	0	0.11570E-07	400975.9	3755482.3	42.6	3.49	4.00	1.62	YES	
L0002283	0	0.11570E-07	400984.4	3755482.3	42.6	3.49	4.00	1.62	YES	
L0002284	0	0.11570E-07	400993.0	3755482.3	42.6	3.49	4.00	1.62	YES	
L0002285	0	0.11570E-07	401001.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002286	0	0.11570E-07	401010.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002287	0	0.11570E-07	401018.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002288	0	0.11570E-07	401027.4	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002289	0	0.11570E-07	401036.0	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002290	0	0.11570E-07	401044.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002291	0	0.11570E-07	401053.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002292	0	0.11570E-07	401061.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002293	0	0.11570E-07	401070.3	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002294	0	0.11570E-07	401078.9	3755482.3	42.7	3.49	4.00	1.62	YES	
L0002295	0	0.11570E-07	401087.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002296	0	0.11570E-07	401096.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002297	0	0.11570E-07	401104.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0002298	0	0.11570E-07	401113.3	3755482.3	43.0	3.49	4.00	1.62	YES	
L0002299	0	0.11570E-07	401121.9	3755482.3	43.1	3.49	4.00	1.62	YES	
L0002300	0	0.11570E-07	401130.5	3755482.3	43.1	3.49	4.00	1.62	YES	

L0002301	0	0.11570E-07	401139.1 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002302	0	0.11570E-07	401147.7 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002303	0	0.11570E-07	401156.2 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002304	0	0.11570E-07	401164.8 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002305	0	0.11570E-07	401173.4 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002306	0	0.11570E-07	401182.0 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002307	0	0.11570E-07	401190.6 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002308	0	0.11570E-07	401199.2 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002309	0	0.11570E-07	401207.8 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002310	0	0.11570E-07	401216.4 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002311	0	0.11570E-07	401225.0 3	3755482.3	43.1	3.49	4.00	1.62	YES
L0002312	0	0.11570E-07	401233.6 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002313	0	0.11570E-07	401242.1 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002314	0	0.11570E-07	401250.7 3	3755482.3	42.9	3.49	4.00	1.62	YES
L0002315	0	0.11570E-07	401259.3 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002316	0	0.11570E-07	401267.9 3	3755482.3	43.0	3.49	4.00	1.62	YES
L0002317	0	0.11570E-07	401276.5 3	3755482.3	43.1	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	Ξ.		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002318	0	0.11570E-07	401285.1	3755482.3	43.1	3.49	4.00	1.62	YES	
L0002319	0	0.11570E-07		3755482.3	43.2	3.49	4.00	1.62	YES	
L0002320	0	0.11570E-07		3755482.3	43.2	3.49	4.00	1.62	YES	
L0002321	0	0.11570E-07		3755482.3	43.3	3.49	4.00	1.62	YES	
L0002322	0	0.11570E-07		3755482.3	43.3	3.49	4.00	1.62	YES	
L0002323	0	0.11570E-07		3755482.3	43.4	3.49	4.00	1.62	YES	
L0002324	0	0.11570E-07	401336.6	3755482.3	43.3	3.49	4.00	1.62	YES	
L0002325	0	0.11570E-07	401345.2	3755482.3	43.1	3.49	4.00	1.62	YES	
L0002326	0	0.11570E-07	401353.8	3755482.3	43.0	3.49	4.00	1.62	YES	
L0002327	0	0.11570E-07	401362.4	3755482.3	43.0	3.49	4.00	1.62	YES	
L0002328	0	0.11570E-07	401371.0	3755482.3	43.0	3.49	4.00	1.62	YES	
L0002329	0	0.11570E-07	401379.6	3755482.3	42.9	3.49	4.00	1.62	YES	
L0002330	0	0.11570E-07	401388.2	3755482.3	42.9	3.49	4.00	1.62	YES	
L0002331	0	0.11570E-07	401396.8	3755482.3	42.9	3.49	4.00	1.62	YES	
L0002332	0	0.11570E-07	401405.4	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002333	0	0.11570E-07	401413.9	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002334	0	0.11570E-07	401422.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002335	0	0.11570E-07	401431.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0002336	0	0.11570E-07	401439.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0002337	0	0.11570E-07	401448.3	3755482.3	43.0	3.49	4.00	1.62	YES	

L0002338	0	0.11570E-07	401456.9 3755482.3	43.0	3.49	4.00	1.62	YES	
L0002339	0	0.11570E-07	401465.5 3755482.6	42.9	3.49	4.00	1.62	YES	
L0002340	0	0.11570E-07	401474.0 3755483.7	42.8	3.49	4.00	1.62	YES	
L0002341	0	0.11570E-07	401482.5 3755484.7	42.7	3.49	4.00	1.62	YES	
L0002342	0	0.11570E-07	401491.0 3755485.8	42.8	3.49	4.00	1.62	YES	
L0002343	0	0.11570E-07	401499.6 3755486.9	42.9	3.49	4.00	1.62	YES	
L0002344	0	0.11570E-07	401508.1 3755487.9	42.9	3.49	4.00	1.62	YES	
L0002345	0	0.11570E-07	401516.6 3755489.0	43.0	3.49	4.00	1.62	YES	
L0002346	0	0.11570E-07	401525.2 3755489.3	43.0	3.49	4.00	1.62	YES	
L0002347	0	0.11570E-07	401533.8 3755489.5	43.1	3.49	4.00	1.62	YES	
L0002348	0	0.11570E-07	401542.4 3755489.7	43.1	3.49	4.00	1.62	YES	
L0002349	0	0.11570E-07	401551.0 3755489.9	43.2	3.49	4.00	1.62	YES	
L0002350	0	0.11570E-07	401559.5 3755490.2	43.3	3.49	4.00	1.62	YES	
L0002351	0	0.11570E-07	401568.1 3755490.4	43.5	3.49	4.00	1.62	YES	
L0002352	0	0.11570E-07	401576.7 3755490.6	43.7	3.49	4.00	1.62	YES	
L0002353	0	0.11570E-07	401585.3 3755490.8	43.8	3.49	4.00	1.62	YES	
L0002354	0	0.11570E-07	401593.9 3755491.0	43.9	3.49	4.00	1.62	YES	
L0002355	0	0.11570E-07	401602.5 3755491.3	44.0	3.49	4.00	1.62	YES	
L0002356	0	0.11570E-07	401611.1 3755491.5	44.2	3.49	4.00	1.62	YES	
L0002357	0	0.11570E-07	401619.6 3755491.7	44.2	3.49	4.00	1.62	YES	
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gree	nstone O	Y\Greensto	one OY.iso	2	***

*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RATE	<u>c</u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
	:									
L0002358	0	0.11570E-07	401628.2	3755491.5	44.2	3.49	4.00	1.62	YES	
L0002359	0	0.11570E-07		3755491.1	44.2	3.49	4.00	1.62	YES	
L0002360	0	0.11570E-07		3755490.7	44.2	3.49	4.00	1.62	YES	
L0002361	0	0.11570E-07		3755490.3	44.2	3.49	4.00	1.62	YES	
L0002362	0	0.11570E-07		3755489.9	44.2	3.49	4.00	1.62	YES	
L0002363	0	0.11570E-07		3755489.5	44.4	3.49	4.00	1.62	YES	
L0002364	0	0.11570E-07		3755489.1	44.6	3.49	4.00	1.62	YES	
L0002365	0	0.11570E-07	401688.3	3755488.7	44.7	3.49	4.00	1.62	YES	
L0002366	0	0.11570E-07		3755488.3	44.9	3.49	4.00	1.62	YES	
L0002367	0	0.11570E-07	401705.5	3755487.9	45.2	3.49	4.00	1.62	YES	
L0002368	0	0.11570E-07	401714.0	3755487.5	45.4	3.49	4.00	1.62	YES	
L0002369	0	0.11570E-07	401722.6	3755487.1	45.4	3.49	4.00	1.62	YES	
L0002370	0	0.11570E-07	401731.2	3755486.7	45.5	3.49	4.00	1.62	YES	
L0002371	0	0.11570E-07	401739.8	3755486.3	45.5	3.49	4.00	1.62	YES	
L0002372	0	0.11570E-07	401748.4	3755485.9	45.5	3.49	4.00	1.62	YES	
L0002373	0	0.11570E-07	401756.9	3755485.5	45.5	3.49	4.00	1.62	YES	
L0002374	0	0.11570E-07	401765.5	3755485.1	45.5	3.49	4.00	1.62	YES	

L0002376	L0002375	0	0.11570E-07	401774.1 3755484.7	45.5	3.49	4.00	1.62	YES
L0002378	L0002376	0	0.11570E-07	401782.7 3755484.3	45.5	3.49	4.00	1.62	YES
L0002379	L0002377	0	0.11570E-07	401791.3 3755483.9	45.5	3.49	4.00	1.62	YES
L0002380	L0002378	0	0.11570E-07	401799.8 3755483.5	45.5	3.49	4.00	1.62	YES
L0002381	L0002379	0	0.11570E-07	401808.4 3755483.3	45.4	3.49	4.00	1.62	YES
L0002382	L0002380	0	0.11570E-07	401817.0 3755483.0	45.4	3.49	4.00	1.62	YES
L0002383	L0002381	0	0.11570E-07	401825.6 3755482.8	45.3	3.49	4.00	1.62	YES
L0002384	L0002382	0	0.11570E-07	401834.2 3755482.5	45.2	3.49	4.00	1.62	YES
L0002385	L0002383	0	0.11570E-07	401842.8 3755482.2	45.1	3.49	4.00	1.62	YES
L0002386	L0002384	0	0.11570E-07	401851.4 3755482.0	45.0	3.49	4.00	1.62	YES
L0002387	L0002385	0	0.11570E-07	401860.0 3755481.7	44.9	3.49	4.00	1.62	YES
L0002388	L0002386	0	0.11570E-07	401868.5 3755481.5	44.8	3.49	4.00	1.62	YES
L0002389 0 0.11570E-07 401894.3 3755480.7 44.6 3.49 4.00 1.62 YES L0002390 0 0.11570E-07 401902.9 3755480.4 44.6 3.49 4.00 1.62 YES L0002391 0 0.11570E-07 401911.5 3755480.2 44.6 3.49 4.00 1.62 YES L0002392 0 0.11570E-07 401920.1 3755479.9 44.6 3.49 4.00 1.62 YES L0002393 0 0.11570E-07 401928.6 3755479.7 44.5 3.49 4.00 1.62 YES L0002394 0 0.11570E-07 401937.2 3755479.5 44.4 3.49 4.00 1.62 YES L0002395 0 0.11570E-07 401945.8 3755479.3 44.2 3.49 4.00 1.62 YES L0002396 0 0.11570E-07 401954.4 3755479.1 44.2 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES	L0002387	0	0.11570E-07	401877.1 3755481.2	44.7	3.49	4.00	1.62	YES
L0002390 0 0.11570E-07 401902.9 3755480.4 44.6 3.49 4.00 1.62 YES L0002391 0 0.11570E-07 401911.5 3755480.2 44.6 3.49 4.00 1.62 YES L0002392 0 0.11570E-07 401920.1 3755479.9 44.6 3.49 4.00 1.62 YES L0002393 0 0.11570E-07 401928.6 3755479.7 44.5 3.49 4.00 1.62 YES L0002394 0 0.11570E-07 401937.2 3755479.5 44.4 3.49 4.00 1.62 YES L0002395 0 0.11570E-07 401945.8 3755479.3 44.2 3.49 4.00 1.62 YES L0002396 0 0.11570E-07 401954.4 3755479.1 44.2 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES	L0002388	0	0.11570E-07	401885.7 3755481.0	44.7	3.49	4.00	1.62	YES
L0002391 0 0.11570E-07 401911.5 3755480.2 44.6 3.49 4.00 1.62 YES L0002392 0 0.11570E-07 401920.1 3755479.9 44.6 3.49 4.00 1.62 YES L0002393 0 0.11570E-07 401928.6 3755479.7 44.5 3.49 4.00 1.62 YES L0002394 0 0.11570E-07 401937.2 3755479.5 44.4 3.49 4.00 1.62 YES L0002395 0 0.11570E-07 401945.8 3755479.3 44.2 3.49 4.00 1.62 YES L0002396 0 0.11570E-07 401954.4 3755479.1 44.2 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES	L0002389	0	0.11570E-07	401894.3 3755480.7	44.6	3.49	4.00	1.62	YES
L0002392	L0002390	0	0.11570E-07	401902.9 3755480.4	44.6	3.49	4.00	1.62	YES
L0002393	L0002391	0	0.11570E-07	401911.5 3755480.2	44.6	3.49	4.00	1.62	YES
L0002394 0 0.11570E-07 401937.2 3755479.5 44.4 3.49 4.00 1.62 YES L0002395 0 0.11570E-07 401945.8 3755479.3 44.2 3.49 4.00 1.62 YES L0002396 0 0.11570E-07 401954.4 3755479.1 44.2 3.49 4.00 1.62 YES L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES	L0002392	0	0.11570E-07	401920.1 3755479.9	44.6	3.49	4.00	1.62	YES
L0002395	L0002393	0	0.11570E-07	401928.6 3755479.7	44.5	3.49	4.00	1.62	YES
L0002396	L0002394	0	0.11570E-07	401937.2 3755479.5	44.4	3.49	4.00	1.62	YES
L0002397 0 0.11570E-07 401963.0 3755478.9 44.1 3.49 4.00 1.62 YES	L0002395	0	0.11570E-07	401945.8 3755479.3	44.2	3.49	4.00	1.62	YES
	L0002396	0	0.11570E-07	401954.4 3755479.1	44.2	3.49	4.00	1.62	YES
	L0002397	0	0.11570E-07	401963.0 3755478.9	44.1	3.49	4.00	1.62	YES
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*** AERMET - VERSION 16216 ***	*** AERMET - V	ERSION	16216 ***	*** 19471 Greenstone	DPM Conc	OY 2022			

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002398	0	0.11570E-07	401971.6	3755478.8	44.1	3.49	4.00	1.62	YES	
L0002399	0	0.11570E-07	401980.2	3755478.6	44.1	3.49	4.00	1.62	YES	
L0002400	0	0.11570E-07	401988.8	3755478.4	44.2	3.49	4.00	1.62	YES	
L0002401	0	0.11570E-07	401997.3	3755478.2	44.3	3.49	4.00	1.62	YES	
L0002402	0	0.11570E-07	402005.9	3755478.1	44.5	3.49	4.00	1.62	YES	
L0002403	0	0.11570E-07	402014.5	3755477.9	44.7	3.49	4.00	1.62	YES	
L0002404	0	0.11570E-07	402023.1	3755477.7	44.9	3.49	4.00	1.62	YES	
L0002405	0	0.11570E-07	402031.7	3755477.5	45.0	3.49	4.00	1.62	YES	
L0002406	0	0.11570E-07	402040.3	3755477.4	45.1	3.49	4.00	1.62	YES	
L0002407	0	0.11570E-07	402048.9	3755477.2	45.2	3.49	4.00	1.62	YES	
L0002408	0	0.11570E-07	402057.5	3755477.0	45.2	3.49	4.00	1.62	YES	
L0002409	0	0.11570E-07	402066.1	3755476.8	45.2	3.49	4.00	1.62	YES	
L0002410	0	0.11570E-07	402074.6	3755476.7	45.3	3.49	4.00	1.62	YES	
L0002411	0	0.11570E-07	402083.2	3755476.5	45.4	3.49	4.00	1.62	YES	

L0002412	0	0.11570E-07	402091.8 3755476.3	45.6	3.49	4.00	1.62	YES
L0002413	0	0.11570E-07	402100.4 3755476.1	45.7	3.49	4.00	1.62	YES
L0002414 (0	0.11570E-07	402109.0 3755476.0	45.8	3.49	4.00	1.62	YES
L0002415	0	0.11570E-07	402117.6 3755475.8	45.9	3.49	4.00	1.62	YES
L0002416	0	0.11570E-07	402126.2 3755475.6	46.0	3.49	4.00	1.62	YES
L0002417	0	0.11570E-07	402134.8 3755475.4	46.2	3.49	4.00	1.62	YES
L0002418	0	0.11570E-07	402143.3 3755475.2	46.4	3.49	4.00	1.62	YES
L0002419 (0	0.11570E-07	402151.9 3755474.9	46.5	3.49	4.00	1.62	YES
L0002420	0	0.11570E-07	402160.5 3755474.6	46.6	3.49	4.00	1.62	YES
L0002421	0	0.11570E-07	402169.1 3755474.3	46.8	3.49	4.00	1.62	YES
L0002422	0	0.11570E-07	402177.7 3755474.0	46.9	3.49	4.00	1.62	YES
L0002423	0	0.11570E-07	402186.3 3755473.7	47.0	3.49	4.00	1.62	YES
L0002424	0	0.11570E-07	402194.9 3755473.4	47.1	3.49	4.00	1.62	YES
L0002425	0	0.11570E-07	402203.4 3755473.2	47.3	3.49	4.00	1.62	YES
L0002426	0	0.11570E-07	402212.0 3755472.9	47.4	3.49	4.00	1.62	YES
L0002427	0	0.11570E-07	402220.6 3755472.6	47.5	3.49	4.00	1.62	YES
L0002428	0	0.11570E-07	402229.2 3755472.3	47.6	3.49	4.00	1.62	YES
L0002429	0	0.11570E-07	402237.8 3755472.0	47.6	3.49	4.00	1.62	YES
L0002430	0	0.11570E-07	402246.4 3755471.7	47.6	3.49	4.00	1.62	YES
L0002431	0	0.11570E-07	402255.0 3755471.5	47.6	3.49	4.00	1.62	YES
L0002432	0	0.11570E-07	402263.5 3755471.2	47.7	3.49	4.00	1.62	YES
L0002433	0	0.11570E-07	402272.1 3755470.9	47.7	3.49	4.00	1.62	YES
L0002434	0	0.11570E-07	402280.7 3755470.6	47.7	3.49	4.00	1.62	YES
L0002435	0	0.11570E-07	402289.3 3755470.3	47.7	3.49	4.00	1.62	YES
L0002436	0	0.11570E-07	402297.9 3755470.0	47.7	3.49	4.00	1.62	YES
L0002437	0	0.11570E-07	402306.5 3755469.9	47.7	3.49	4.00	1.62	YES
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*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002438	0	0.11570E-07	402315.1	3755469.7	47.8	3.49	4.00	1.62	YES	
L0002439	0	0.11570E-07	402323.6	3755469.6	47.8	3.49	4.00	1.62	YES	
L0002440	0	0.11570E-07	402332.2	3755469.5	47.8	3.49	4.00	1.62	YES	
L0002441	0	0.11570E-07	402340.8	3755469.4	47.9	3.49	4.00	1.62	YES	
L0002442	0	0.11570E-07	402349.4	3755469.2	47.9	3.49	4.00	1.62	YES	
L0002443	0	0.11570E-07	402358.0	3755469.1	47.9	3.49	4.00	1.62	YES	
L0002444	0	0.11570E-07	402366.6	3755469.0	48.0	3.49	4.00	1.62	YES	
L0002445	0	0.11570E-07	402375.2	3755468.8	48.0	3.49	4.00	1.62	YES	
L0002446	0	0.11570E-07	402383.8	3755468.7	48.0	3.49	4.00	1.62	YES	
L0002447	0	0.11570E-07	402392.4	3755468.6	48.1	3.49	4.00	1.62	YES	
L0002448	0	0.11570E-07	402400.9	3755468.5	48.1	3.49	4.00	1.62	YES	

L0002449	0	0.11570E-07	402409.5 3755468.4	48.2	3.49	4.00	1.62	YES	
L0002450	0	0.11570E-07	402418.1 3755468.3	48.2	3.49	4.00	1.62	YES	
L0002451	0	0.11570E-07	402426.7 3755468.2	48.3	3.49	4.00	1.62	YES	
L0002452	0	0.11570E-07	402435.3 3755468.1	48.3	3.49	4.00	1.62	YES	
L0002453	0	0.11570E-07	402443.9 3755467.9	48.4	3.49	4.00	1.62	YES	
L0002454	0	0.11570E-07	402452.5 3755467.8	48.5	3.49	4.00	1.62	YES	
L0002455	0	0.11570E-07	402461.1 3755467.7	48.5	3.49	4.00	1.62	YES	
L0002456	0	0.11570E-07	402469.7 3755467.5	48.5	3.49	4.00	1.62	YES	
L0002457	0	0.11570E-07	402478.2 3755467.6	48.5	3.49	4.00	1.62	YES	
L0002458	0	0.11570E-07	402486.7 3755469.1	48.5	3.49	4.00	1.62	YES	
L0002459	0	0.11570E-07	402495.2 3755470.6	48.6	3.49	4.00	1.62	YES	
L0002460	0	0.11570E-07	402503.6 3755472.0	48.7	3.49	4.00	1.62	YES	
L0002461	0	0.11570E-07	402512.1 3755473.5	48.8	3.49	4.00	1.62	YES	
L0002462	0	0.11570E-07	402520.5 3755475.1	48.8	3.49	4.00	1.62	YES	
L0002463	0	0.11570E-07	402529.0 3755476.6	48.9	3.49	4.00	1.62	YES	
L0002464	0	0.11570E-07	402537.4 3755478.2	48.9	3.49	4.00	1.62	YES	
L0002465	0	0.11570E-07	402545.9 3755479.7	49.0	3.49	4.00	1.62	YES	
L0002466	0	0.11570E-07	402554.2 3755481.8	48.9	3.49	4.00	1.62	YES	
L0002467	0	0.11570E-07	402562.6 3755483.8	48.9	3.49	4.00	1.62	YES	
L0002468	0	0.11570E-07	402570.9 3755485.8	48.9	3.49	4.00	1.62	YES	
L0002469	0	0.11570E-07	402579.3 3755487.8	48.9	3.49	4.00	1.62	YES	
L0002470	0	0.11570E-07	402587.6 3755489.8	48.9	3.49	4.00	1.62	YES	
L0002471	0	0.11570E-07	402596.0 3755491.7	48.9	3.49	4.00	1.62	YES	
L0002472	0	0.11570E-07	402604.4 3755493.5	48.9	3.49	4.00	1.62	YES	
L0002473	0	0.11570E-07	402612.8 3755495.3	48.9	3.49	4.00	1.62	YES	
L0002474	0	0.11570E-07	402621.2 3755497.1	48.9	3.49	4.00	1.62	YES	
L0002475	0	0.11570E-07	402629.6 3755498.9	48.9	3.49	4.00	1.62	YES	
L0002476	0	0.11570E-07	402638.0 3755500.6	48.9	3.49	4.00	1.62	YES	
L0002477	0	0.11570E-07	402646.4 3755502.4	49.0	3.49	4.00	1.62	YES	
		1 21112 ***	*** C:\Lakes\AERMOD						

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	_
L0002478	0	0.11570E-07	402654.8	3755504.0	49.1	3.49	4.00	1.62	YES		
L0002479	0	0.11570E-07	402663.4	3755504.8	49.2	3.49	4.00	1.62	YES		
L0002480	0	0.11570E-07	402672.0	3755505.6	49.3	3.49	4.00	1.62	YES		
L0002481	0	0.11570E-07	402680.5	3755506.4	49.4	3.49	4.00	1.62	YES		
L0002482	0	0.11570E-07	402689.1	3755507.2	49.5	3.49	4.00	1.62	YES		
L0002483	0	0.11570E-07	402697.6	3755508.0	49.5	3.49	4.00	1.62	YES		
L0002484	0	0.11570E-07	402706.2	3755508.8	49.5	3.49	4.00	1.62	YES		
L0002485	0	0.11570E-07	402714.7	3755509.6	49.5	3.49	4.00	1.62	YES		

L0002486	0	0.11570E-07	402723.3 3755510.0	49.5	3.49	4.00	1.62	YES	
L0002487	0	0.11570E-07	402731.9 3755510.1	49.5	3.49	4.00	1.62	YES	
L0002488	0	0.11570E-07	402740.5 3755510.2	49.6	3.49	4.00	1.62	YES	
L0002489	0	0.11570E-07	402749.1 3755510.3	49.6	3.49	4.00	1.62	YES	
L0002490	0	0.11570E-07	402757.6 3755510.4	49.7	3.49	4.00	1.62	YES	
L0002491	0	0.11570E-07	402766.2 3755510.5	49.7	3.49	4.00	1.62	YES	
L0002492	0	0.11570E-07	402774.8 3755510.5	49.8	3.49	4.00	1.62	YES	
L0002493	0	0.11570E-07	402783.4 3755510.5	49.9	3.49	4.00	1.62	YES	
L0002494	0	0.11570E-07	402792.0 3755510.5	49.9	3.49	4.00	1.62	YES	
L0002495	0	0.11570E-07	402800.6 3755510.5	50.0	3.49	4.00	1.62	YES	
L0002496	0	0.11570E-07	402809.2 3755510.5	50.0	3.49	4.00	1.62	YES	
L0002497	0	0.11570E-07	402817.8 3755510.5	50.1	3.49	4.00	1.62	YES	
L0002498	0	0.11570E-07	402826.4 3755510.5	50.1	3.49	4.00	1.62	YES	
L0002499	0	0.11570E-07	402835.0 3755510.5	50.1	3.49	4.00	1.62	YES	
L0002500	0	0.11570E-07	402843.5 3755510.6	50.1	3.49	4.00	1.62	YES	
L0002501	0	0.11570E-07	402852.1 3755510.8	50.2	3.49	4.00	1.62	YES	
L0002502	0	0.11570E-07	402860.7 3755511.0	50.3	3.49	4.00	1.62	YES	
L0002503	0	0.11570E-07	402869.3 3755511.2	50.4	3.49	4.00	1.62	YES	
L0002504	0	0.11570E-07	402877.9 3755511.5	50.5	3.49	4.00	1.62	YES	
L0002505	0	0.11570E-07	402886.5 3755511.7	50.5	3.49	4.00	1.62	YES	
L0002506	0	0.11570E-07	402895.1 3755511.9	50.5	3.49	4.00	1.62	YES	
L0002507	0	0.11570E-07	402903.7 3755512.1	50.5	3.49	4.00	1.62	YES	
L0002508	0	0.11570E-07	402912.2 3755512.4	50.5	3.49	4.00	1.62	YES	
L0002509	0	0.11570E-07	402920.8 3755512.7	50.5	3.49	4.00	1.62	YES	
L0002510	0	0.11570E-07	402929.4 3755513.0	50.5	3.49	4.00	1.62	YES	
L0002511	0	0.11570E-07	402938.0 3755513.3	50.6	3.49	4.00	1.62	YES	
L0002512	0	0.11570E-07	402946.6 3755513.7	50.6	3.49	4.00	1.62	YES	
L0002513	0	0.11570E-07	402955.2 3755514.2	50.6	3.49	4.00	1.62	YES	
L0002514	0	0.11570E-07	402963.7 3755514.8	50.6	3.49	4.00	1.62	YES	
L0002515	0	0.11570E-07	402972.3 3755515.3	50.6	3.49	4.00	1.62	YES	
L0002516	0	0.11570E-07	402980.9 3755515.9	50.7	3.49	4.00	1.62	YES	
L0002517	0	0.11570E-07	402989.4 3755516.4	50.7	3.49	4.00	1.62	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0002518	0	0.11570E-07	402998.0	3755517.4	50.7	3.49	4.00	1.62	YES		
L0002519	0	0.11570E-07	403006.4	3755518.8	50.7	3.49	4.00	1.62	YES		
L0002520	0	0.11570E-07	403014.9	3755520.2	50.7	3.49	4.00	1.62	YES		
L0002521	0	0.11570E-07	403023.4	3755521.5	50.8	3.49	4.00	1.62	YES		
L0002522	0	0.11570E-07	403031.9	3755522.9	50.8	3.49	4.00	1.62	YES		

L0002523	0	0.11570E-07	403040.4 3755524	1.2 50.8	3.49	4.00	1.62	YES		
L0002524	0	0.11570E-07	403048.8 3755525	5.6 50.8	3.49	4.00	1.62	YES		
L0002525	0	0.11570E-07	403057.3 3755527	7.0 50.8	3.49	4.00	1.62	YES		
L0002526	0	0.11570E-07	403065.7 3755528	3.7 50.8	3.49	4.00	1.62	YES		
L0002527	0	0.11570E-07	403074.1 3755530	0.6 50.7	3.49	4.00	1.62	YES		
L0002528	0	0.11570E-07	403082.5 3755532	2.6 50.8	3.49	4.00	1.62	YES		
L0002529	0	0.11570E-07	403090.8 3755534	1.5 50.9	3.49	4.00	1.62	YES		
L0002530	0	0.11570E-07	403099.2 3755536		3.49	4.00	1.62	YES		
L0002531	0		403107.6 3755538		3.49	4.00	1.62	YES		
L0002532	0	0.11570E-07	403115.8 3755540		3.49	4.00	1.62	YES		
L0002533	0		403124.1 3755543		3.49	4.00	1.62	YES		
L0002534	0	0.11570E-07	403132.4 3755545		3.49	4.00	1.62	YES		
L0002535	0		403140.6 3755547		3.49	4.00	1.62	YES		
L0002536	0	0.11570E-07			3.49	4.00	1.62	YES		
L0002537	0		403157.1 3755552		3.49	4.00	1.62	YES		
L0002538	0		403165.4 3755554		3.49	4.00	1.62	YES		
L0002539	0	0.11570E-07			3.49	4.00	1.62	YES		
L0002540	0		403182.0 3755559		3.49	4.00	1.62	YES		
L0002541	0	0.11570E-07	403190.3 3755561		3.49	4.00	1.62	YES		
L0002542	0		403198.6 3755563		3.49	4.00	1.62	YES		
L0002543	0	0.11570E-07	403206.9 3755566		3.49	4.00	1.62	YES		
L0002544	0		403215.2 3755568		3.49	4.00	1.62	YES		
L0002545	0	0.11570E-07	403223.5 3755570		3.49	4.00	1.62	YES		
L0002546	0		403231.8 3755572		3.49	4.00	1.62	YES		
L0002547	0	0.11570E-07	403240.1 3755574		3.49	4.00	1.62	YES		
L0002548	0		403248.4 3755577		3.49	4.00	1.62	YES		
L0002549	0 0		403256.7 3755579		3.49	4.00	1.62	YES YES		
L0002550 L0002551	0	0.11570E-07 0.11570E-07	403265.0 3755581 403273.3 3755583		3.49 3.49	4.00	1.62 1.62	YES		
L0002551	0	0.11570E-07 0.11570E-07	403281.6 3755585		3.49	4.00	1.62	YES		
L0002552	U	0.113/0E-0/	403201.0 3733303	19.9	3.49	4.00	1.02	IES		
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*** MODELOPTs:
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*** AERMET - VERSION 16216 ***
                                  *** 19471 Greenstone DPM Conc OY 2022
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*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ_U*
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*** MODELOPTs:
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*** AERMET - VERSION 16216 ***
                                   *** 19471 Greenstone DPM Conc OY 2022
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*** MODELOPTs:
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*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ_U*
                                         *** SOURCE IDS DEFINED AS URBAN SOURCES ***
URBAN ID
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                                                         SOURCE IDs
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*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE	ID: ST	CK1									
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.5,	225.2,	132.3,	-156.0,	114.5,
3	12.5,	217.2,	162.7,	-189.7,	98.0,	4	12.5,	203.8,	188.1,	-217.6,	77.8,
5	12.5,	184.5,	207.8,	-239.0,	55.2,	6	12.5,	159.7,	221.2,	-253.0,	30.8,
7	12.5,	130.2,	227.9,	-259.4,	5.5,	8	12.5,	98.3,	228.2,	-257.9,	-19.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.5,	225.2,	132.3,	23.7,	-114.5,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,

35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,
CUIDUE	ID: ST	יכעט									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	0.0,		0.0,	0.0,	0.0,	2	0.0,		0.0,	0.0,	0.0,
3	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
5	0.0,		0.0,	0.0,	0.0,	6	0.0,		0.0,	0.0,	0.0,
7	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.5,	98.5,		-254.8,	13.1,
11	12.5,	132.3,		-254.5,	-12.0,	12	12.5,	162.7,		-234.0,	-36.4,
13	12.5,	188.1,		-232.1,	-59.8,	14	12.5,	207.8,		-210.1,	-81.3,
15	12.5,	221.2,		-232.1,		16	12.5,	207.8,		-147.8,	
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,		0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
25 27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29			0.0,	0.0,	0.0,				0.0,	0.0,	0.0,
31	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	30 32	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
33	12.5,	221.2,	159.7,	22.0,	100.4,	34	12.5,		130.2,	17.6,	116.4,
35 35	0.0,	0.0,	0.0,	0.0,	0.0,	3 4 36	0.0,			0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
SOURCE	ID: ST	ירא3									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,	227.0,		-67.5,	-34.7,	2	12.5,	225.2,		-78.4,	-36.9,
3	12.5,	217.2,	162.7,	-87.0,	-37.7,	4	12.5,	203.8,	188.1,		-37.9,
5	12.5,	184.5,	207.8,	-96.1,	-37.2,	6	12.5,	159.7,	221.2,		-35.3,
7	12.5,	130.2,	227.9,	-93.5,	-32.4,	8	12.5,	98.3,	228.2,		-28.3,
9	12.5,	64.0,	222.9,	-80.2,	-23.1,	10	12.5,	98.5,	227.0,		-18.2,
11	12.5,	132.3,	225.2,		-12.3,	12	12.5,	162.7,	217.2,		-5.7,
13	12.5,	188.1,	203.8,	,	1.1,	14	12.5,	207.8,	184.5,	,	7.8,
15	12.5,	221.2,		-44.5,	14.3,	16	12.5,		130.2,		20.4,
17	12.5,	228.2,	98.3,	-20.8,	26.1,	18	12.5,		64.0,		31.3,
19	12.5,			-31.0,	34.7,	20	12.5,	225.2,	132.3,		36.9,
21	12.5,	217.2,	162.7,	-75.6,	37.7,	22	12.5,	203.8,	188.1,		37.9,
23	12.5,	184.5,		-111.7,	37.2,	24	12.5,	159.7,		-124.9,	35.3,
25	12.5,	130.2,		-134.3,	32.4,	26	12.5,	98.3,		-140.2,	28.3,
27	12.5,	64.0,		-142.7,	23.1,	28	12.5,	98.5,		-148.2,	18.2,
29	12.5,	132.3,		-149.5,	12.3,	30	12.5,	162.7,		-146.3,	5.7,
31	12.5,	188.1,		-139.8,	-1.1,	32	12.5,		184.5,		-7.8,
33	12.5,			-115.2,	-14.3,	34	12.5,			-97.5,	-20.4,
35	12.5,			-77.5,	-26.1,	36	12.5,			-55.1,	-31.2,
55	-2.5,	220.2,	,,,,	, , ,	20.1,	33	12.5,	222.7,	01.0,	33.1,	51.21
SOURCE	ID: ST	CK4									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,		98.5,		-1.9,	2	12.5,			-90.0,	-5.6,
3		217.2,			-8.9,	4	12.5,			-114.5,	-12.4,
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                                             12.5, 222.9, 64.0, -55.2,
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                                                                                           * * *
14:34:40
                                                                                                     PAGE 39
*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ U*
                                   *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
SOURCE ID: STCK5
IFV
      BH
             BW
                    BL
                          XADJ
                                 YADJ
                                         TFV
                                               BH
                                                      BW
                                                            BL
                                                                  XADJ
                                                                         YADJ
     12.5, 227.0,
                  98.5, -78.4,
                                          2
                                              12.5, 225.2, 132.3, -99.8,
                                                                         21.3,
                                 26.3,
     12.5, 217.2, 162.7, -118.1,
                                15.9,
                                          4
                                              12.5, 203.8, 188.1, -132.9,
                                                                          9.5,
                                              12.5, 159.7, 221.2, -150.0,
     12.5, 184.5, 207.8, -143.7,
                                2.6,
                                          6
                                                                         -4.4,
     12.5, 130.2, 227.9, -151.9, -11.4,
                                          8
                                              12.5, 98.3, 228.2, -149.1, -17.7,
  9
     12.5, 64.0, 222.9, -142.2, -23.2,
                                         10
                                             12.5, 98.5, 227.0, -139.8, -29.1,
 11
     12.5, 132.3, 225.2, -133.9, -33.6,
                                         12
                                             12.5, 162.7, 217.2, -124.5,
                                                                        -36.8,
     12.5, 188.1, 203.8, -111.4, -38.9,
                                         14
                                             12.5, 207.8, 184.5, -94.8, -39.8,
 13
 15
     12.5, 221.2, 159.7, -75.4, -39.4,
                                         16
                                             12.5, 227.9, 130.2, -53.7, -37.9,
 17
     12.5, 228.2, 98.3, -31.4, -34.9,
                                         18
                                              12.5, 222.9, 64.0, -8.8, -30.7,
     12.5, 227.0, 98.5, -20.1, -26.3,
                                          20
                                              12.5, 225.2, 132.3, -32.5, -21.3,
 19
 21
     12.5, 217.2, 162.7, -44.5, -15.9,
                                          22
                                              12.5, 203.8, 188.1, -55.2,
                                                                         -9.5,
 23
     12.5, 184.5, 207.8, -64.1,
                                -2.6,
                                          24
                                              12.5, 159.7, 221.2, -71.1,
     12.5, 130.2, 227.9, -76.0,
                                          26
                                              12.5, 98.3, 228.2, -79.1,
                                11.4,
                                                                         17.7.
     12.5, 64.0, 222.9, -80.7,
                                             12.5, 98.5, 227.0, -87.2,
 27
                                 23.2,
                                          28
                                                                         29.1,
 29
     12.5, 132.3, 225.2, -91.3,
                                 33.6,
                                          30
                                              12.5, 162.7, 217.2, -92.7,
                                                                         36.8,
 31
     12.5, 188.1, 203.8, -92.4,
                                 38.9,
                                         32
                                             12.5, 207.8, 184.5, -89.7,
                                                                         39.8,
     12.5, 221.2, 159.7, -84.3,
                                 39.4,
                                          34
                                             12.5, 227.9, 130.2, -76.5,
                                                                         37.9,
    12.5, 228.2, 98.3, -66.8,
                                 34.9,
                                          36 12.5, 222.9, 64.0, -55.2,
                                                                         30.7,
                                                                                           ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                                     01/20/22
                                                                                            ***
14:34:40
                                                                                                     PAGE 40
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6 12.5, 159.7, 221.2, -125.2, -18.7,

12.5, 184.5, 207.8, -121.7, -15.8,

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID *** (METERS)

400817.6, 400942.7, 401067.7, 401192.8, 401317.8, 401442.9, 401567.9, 401693.0, 401818.0, 401943.1, 402068.1, 402193.2, 402318.2, 402443.3, 402568.3, 402693.4, 402818.4, 402943.5, 403068.5, 403193.6, 403318.6.

*** Y-COORDINATES OF GRID *** (METERS)

3753433.1, 3753541.7, 3753650.4, 3753759.0, 3753867.7, 3753976.3, 3754084.9, 3754193.6, 3754302.2, 3754410.9, 3754519.5, 3754628.1, 3754736.8, 3754845.4, 3754954.1, 3755062.7, 3755171.3, 3755280.0, 3755388.6, 3755497.3, 3755605.9,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	43.50
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40
3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20

3753650.38 3753541.74	33.30 33.30	33.20 33.40	33.00 33.00	32.70 32.50	33.10 32.50	33.40 33.40	35.30 34.20		36.40 35.30
3753433.10 *** AERMOD - VERSION	32.80 21112 ***	32.60 *** C:\Lakes\	32.60 AERMOD View\G	32.40 Greenstone OY	32.60 Greenstone OY	33.30 .isc	34.10	34.30 01/20/22	34.40
*** AERMET - VERSION	16216 ***	*** 19471 Gre	enstone DPM C	Conc OY 2022			***	14:34:40 PAGE 42	

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90
3755497.26	41.20	44.50	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	41.00	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	42.20	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	34.30
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
*** AERMOD -	VERSION 21112 *	** *** C:\L	akes\AERMOD V	iew\Greenston	e OY\Greensto	one OY.isc		*** 01	/20/22
*** AERMET -		,	,	DPM Conc OY 2			:34:40		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

PAGE 43

3755605.90	51.00	51.50	49.30
	!		
3755497.26	50.80	53.00	50.90
3755388.62	50.50	52.10	53.70
3755279.98	50.00	51.40	52.90
3755171.34	49.90	51.10	52.30
3755062.70	49.70	51.00	52.60
3754954.06	50.10	51.30	52.70
3754845.42	50.20	51.00	51.80
3754736.78	50.00	51.00	51.50
3754628.14	49.40	50.10	49.00
3754519.50	48.30	49.40	49.70
3754410.86	47.70	49.30	48.50
3754302.22	47.10	48.30	48.20
3754193.58	47.20	46.80	47.90
3754084.94	45.80	46.10	46.50
3753976.30	45.40	45.00	44.20
3753867.66	44.50	43.40	40.00
3753759.02	42.60	39.70	37.90
3753650.38	37.40	35.20	35.40
3753541.74	32.10	32.70	32.40
3753433.10	30.20	30.00	30.30
3.33133.10	30.20	30.00	30.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	46.70
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40

3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20
3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753541.74	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
*** AERMOD - VI *** AERMET - VI	ERSION 21112 *** ERSION 16216 ***			w\Greenstone M Conc OY 202		e OY.isc	***	01/2	20/22 84:40

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90
3755497.26	47.00	48.20	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	49.10	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	49.10	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	39.00
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
*** 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	ERSION 21112 *	** *** @•\ T	olog\AEDMOD N	iew\Greenston	o OV\ Croonato	no OV iga		*** 01	/20/22
AEKMOD - V	TUSTON ZIIIZ "	C. /L	ares (Atrinod A	TEM /GT GGIIR COII	e or /greensto	me Oi.ISC		0.1	/ 40 / 44

*** 01/20/22 *** 14:34:40 PAGE 46

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD X-COORD (METERS)								
(METERS)	403068.53	403193.58	403318.63					
3755605.90	I .	51.50	49.30					
3755497.26	50.80	53.00	50.90					
3755388.62	50.50	52.10	53.70					
3755279.98	50.00	51.40	52.90					
3755171.34	49.90	51.10	52.30					
3755062.70	49.70	51.00	52.60					
3754954.06	50.10	51.30	52.70					
3754845.42	50.20	51.00	51.80					
3754736.78	50.00	51.00	51.50					
3754628.14	49.40	50.10	49.00					
3754519.50	48.30	49.40	49.70					
3754410.86	47.70	49.30	48.50					
3754302.22	47.10	48.30	48.20					
3754193.58	47.20	46.80	47.90					
3754084.94	45.80	46.10	46.50					
3753976.30	45.40	45.00	44.20					
3753867.66	44.50	43.40	40.00					
3753759.02	42.60	39.70	37.90					
3753650.38	37.40	35.20	35.40					
3753541.74	32.10	32.70	32.40					
3753433.10	30.20	30.00	30.30					
			Lakes\AERMOD	View\Green	stone OY\Greenstone OY.isc		***	01/20/22
*** AERMET -	VERSION 16216 *	** *** 194	71 Greenston	e DPM Conc	OY 2022		***	14:34:40
								PAGE 47
*** MODELOPT	s: RegDFAULT	CONC ELEV U	URBAN ADJ_U	*				
					AN RECEPTORS ***			
			(X-COORD, Y		EV, ZHILL, ZFLAG)			
				(METER	S)			
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			0.01				0.01
	.3, 3754416.6,				(401540.9, 3754478.1,		•	
		41.4,	41.4,	0.0);	(401600.9, 3754832.1,			0.0);
(402492	.6, 3754624.0, .6, 3753865.1,	46.8,	46.8,	0.0);	(402490.3, 3754733.3,	47.6,	47.6, 50.9,	0.0);
(402487	.6, 3753865.1,	42.2,	42.2,	0.0);	(403257.8, 3755558.4,	50.9,	50.9,	0.0);
444 3ED340D	TED CTON 01110 +		- 1\ 7 EDMOD	77 \ C	077) G		***	01 /00 /00
					stone OY\Greenstone OY.isc		***	01/20/22
^ * AERMET -	VERSION 16216 *	*** 194	/1 Greenston	e DPM Conc	UY ZUZZ		* * *	14:34:40
*** MODELOPE	a. Doenmaiii m	COMO DI DI	יי דמי זוגממוי	*				PAGE 48
*** MODELOPT	s: RegDFAULT	CONC ELEV (JKBAN ADJ_U	•				
						_		

^{*} SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED * LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - - DISTANCE
ID XR (METERS) YR (METERS) (METERS)

402193.2 L0000198 3754736.8 -2.45 L0000211 402193.2 3754845.4 0.36 L0000319 402193.2 3754519.5 -2.03 402193.2 -2.10 L0000320 3754519.5 L0000332 402193.2 3754410.9 -3.17 L0000333 402193.2 3754410.9 0.37 L0000344 402193.2 3754302.2 0.27 L0000345 402193.2 3754302.2 -2.74 L0000357 402193.2 3754193.6 -1.52 402193.2 L0000358 3754193.6 -1.00 L0000370 402193.2 3754084.9 -2.26 402193.2 3753976.3 0.60 L0000382 -1.62 L0000383 402193.2 3753976.3 L0002351 401567.9 3755497.3 -1.72*** *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc 01/20/22 *** 14:34:40 PAGE 49 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U* *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE. *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC) 1.54, 3.09, 5.14, 8.23, 10.80, *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc *** 01/20/22 * * * 14:34:40 PAGE 50 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ U*

Met Version: 16216

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC

Profile file: E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL

Surface format: FREE Profile format: FREE

Surface station no.: 3166 Upper air station no.: 3190

Name: UNKNOWN Year: 2010 Year: 2010

First 24 YR MO DY		f scala H0	r data U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	z0	BOWEN	ALBEDO	REF WS	WD	НТ	REF TA	нт
10 01 01	1 01	-38.6	0.384	-9.000	-9.000	 -999.	572.	162.4	0.34	0.73	1.00	3.10	321.	9.1	283.8	 5.5
10 01 01	1 02	-33.5	0.333	-9.000	-9.000	-999.	462.	121.8	0.34	0.73	1.00	2.70	217.	9.1	282.5	5.5
10 01 01	1 03	-21.9	0.218	-9.000	-9.000	-999.	251.	52.2	0.34	0.73	1.00	1.80	290.	9.1	282.5	5.5
10 01 01	1 04	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	255.	9.1	282.0	5.5
10 01 01	1 05	-21.9	0.218	-9.000	-9.000	-999.	245.	52.2	0.34	0.73	1.00	1.80	234.	9.1	282.0	5.5
10 01 01	1 06	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	258.	9.1	282.0	5.5
10 01 01	1 07	-27.2	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	213.	9.1	281.4	5.5
10 01 01	1 08	-22.6	0.335	-9.000	-9.000	-999.	466.	151.7	0.34	0.73	0.54	2.70	215.	9.1	282.0	5.5
10 01 01	1 09	26.9	0.249	0.347	0.008	56.	302.	-51.9	0.34	0.73	0.32	1.80	199.	9.1	284.2	5.5
10 01 01	1 10	65.3	0.365	0.593	0.008	116.	529.	-67.5	0.34	0.73	0.24	2.70	117.	9.1	288.1	5.5
10 01 01	1 11	94.5	0.374	0.933	0.008	311.	550.	-50.3	0.34	0.73	0.21	2.70	243.	9.1	290.4	5.5
10 01 01	1 12	103.9	0.279	1.087	0.008	448.	359.	-19.0	0.34	0.73	0.20	1.80	130.	9.1	293.1	5.5
10 01 01	1 13	83.7	0.273	1.073	0.008	533.	343.	-22.0	0.34	0.73	0.20	1.80	282.	9.1	294.9	5.5
10 01 01	1 14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73	0.21	1.30	290.	9.1	295.9	5.5
10 01 01	1 15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73	0.25	1.30	192.	9.1	294.9	5.5
10 01 01	1 16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73	0.33	1.30	218.	9.1	293.8	5.5
10 01 01	1 17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73	0.60	1.30	255.	9.1	292.0	5.5
10 01 01	1 18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73	1.00	0.90	129.	9.1	289.2	5.5
10 01 01	1 19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73	1.00	1.30	264.	9.1	287.5	5.5
10 01 01	1 20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73	1.00	1.30	25.	9.1	287.0	5.5
10 01 01	1 21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	343.	9.1	285.9	5.5
10 01 01	1 22	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	332.	9.1	284.9	5.5
10 01 01	1 23	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	178.	9.1	284.2	5.5
10 01 01	1 24	-11.8	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	0.73	1.00	1.30	28.	9.1	283.1	5.5

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 283.8 99.0 -99.00 -99.00
10 01 01 01 9.1 1 321. 3.10 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,

L0002553 , L0002554 , L0002555 , L0002556 , L0002557 , L0002558 , L0002559 , L0002560 ,

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L0002561
                           , L0002562
                                         , L0002563
                                                        , L0002564
                                                                     , L0002565
                                                                                   , L0002566
                                                                                                 , L0002567
                                                                                                               , L0002568
               L0002569
                           , L0002570
                                                       , L0002572
                                                                     , L0002573
                                                                                   , L0002574
                                         , L0002571
                                                                                                 , L0002575
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
  (METERS)
                  400817.63
                              400942.68
                                           401067.73
                                                                     401317.83
                                                                                  401442.88
                                                                                               401567.93
                                                                                                            401692.98
                                                                                                                         401818.03
                                                        401192.78
3755605.90
                   0.00004
                                0.00005
                                             0.00005
                                                          0.00006
                                                                       0.00006
                                                                                    0.00007
                                                                                                 0.00008
                                                                                                              0.00009
                                                                                                                           0.00009
3755497.26
                   0.00006
                                0.00016
                                             0.00017
                                                          0.00018
                                                                       0.00018
                                                                                    0.00019
                                                                                                 0.00022
                                                                                                              0.00026
                                                                                                                           0.00022
                   0.00004
                                0.00006
                                             0.00006
                                                          0.00007
                                                                       0.00008
                                                                                    0.00009
                                                                                                 0.00010
                                                                                                              0.00012
                                                                                                                           0.00014
3755388.62
3755279.98
                   0.00004
                                0.00004
                                             0.00005
                                                          0.00006
                                                                       0.00007
                                                                                    0.00008
                                                                                                 0.00010
                                                                                                              0.00013
                                                                                                                           0.00016
3755171.34
                   0.00004
                                0.00004
                                             0.00005
                                                          0.00006
                                                                       0.00007
                                                                                    0.00009
                                                                                                 0.00011
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                   0.00004
                                0.00004
                                             0.00005
                                                          0.00006
                                                                       0.00008
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                                                                                                 0.00013
                                                                                                              0.00018
                                                                                                                           0.00026
3755062.70
3754954.06
                   0.00004
                                0.00004
                                             0.00005
                                                          0.00006
                                                                       0.00008
                                                                                    0.00011
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                   0.00004
                                0.00004
                                             0.00005
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3754845.42
                                                          0.00006
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                                                                                                                           0.00038
3754736.78
                   0.00004
                                0.00004
                                             0.00005
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3754628.14
                   0.00004
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                                                                                                              0.00031
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3754519.50
3754410.86
                   0.00004
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                                             0.00005
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                   0.00004
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                                             0.00005
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3754302.22
                                                          0.00006
                                                                       0.00009
                                                                                    0.00013
3754193.58
                   0.00003
                                0.00004
                                             0.00005
                                                          0.00006
                                                                       0.00008
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3754084.94
                   0.00003
                                0.00004
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                   0.00003
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3753976.30
                                             0.00004
                                                          0.00005
                                                                       0.00007
                                                                                    0.00009
                                                                                                 0.00011
3753867.66
                   0.00003
                                0.00004
                                             0.00004
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                                                                                                                           0.00008
3753759.02
                                                          0.00005
                                                                       0.00006
3753650.38
                   0.00003
                                0.00004
                                             0.00005
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3753541.74
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                   0.00004
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                                                          0.00008
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3753433.10
                                0.00007
                                                                       0.00008
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*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                                                     01/20/22
***
                                                                                                                     14:34:40
                                                                                                                     PAGE 52
*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ U*
                            *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                                INCLUDING SOURCE(S):
                                                         STCK1
                                                                     , STCK2
                                                                                   , STCK3
                                                                                                 , STCK4
                                                                                                               , STCK5
               L0002553
                           , L0002554
                                         , L0002555
                                                       , L0002556
                                                                     , L0002557
                                                                                   , L0002558
                                                                                                 , L0002559
                                                                                                               , L0002560
               L0002561
                           , L0002562
                                         , L0002563
                                                       , L0002564
                                                                     , L0002565
                                                                                   , L0002566
                                                                                                 , L0002567
                                                                                                               , L0002568
                                         , L0002571
                                                                     , L0002573
                                                                                   , L0002574
               L0002569
                           , L0002570
                                                       , L0002572
                                                                                                 , L0002575
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      * *
                                       ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
                 401943.08
                              402068.13
                                           402193.18
                                                        402318.23
                                                                                  402568.33
                                                                                               402693.38
                                                                                                            402818.43
  (METERS)
                                                                     402443.28
                                                                                                                         402943.48
```

3755605.90	0.00010	0.00011	0.00011	0.00011	0.00011	0.00011	0.00010	0.00009	0.00009
3755497.26	0.00021	0.00022	0.00022	0.00021	0.00022	0.00027	0.00025	0.00022	0.00019
3755388.62	0.00016	0.00018	0.00019	0.00019	0.00030	0.00017	0.00013	0.00010	0.00009
3755279.98	0.00019	0.00021	0.00023	0.00023	0.00034	0.00019	0.00013	0.00010	0.00008
3755171.34	0.00026	0.00029	0.00033	0.00032	0.00040	0.00021	0.00014	0.00010	0.00008
3755062.70	0.00034	0.00041	0.00073	0.00055	0.00046	0.00023	0.00015	0.00011	0.00008
3754954.06	0.00047	0.00059	0.00093	0.00052	0.00035	0.00023	0.00015	0.00010	0.00008
3754845.42	0.00066	0.00099	0.00119	0.00063	0.00036	0.00021	0.00014	0.00010	0.00007
3754736.78	0.00110	0.00235	0.00186	0.00066	0.00032	0.00019	0.00013	0.00009	0.00007
3754628.14	0.00200	0.00294	0.00194	0.00062	0.00029	0.00017	0.00012	0.00009	0.00007
3754519.50	0.00128	0.00106	0.00114	0.00050	0.00027	0.00016	0.00011	0.00009	0.00007
3754410.86	0.00060	0.00051	0.00068	0.00036	0.00023	0.00015	0.00011	0.00008	0.00007
3754302.22	0.00033	0.00031	0.00051	0.00027	0.00019	0.00013	0.00010	0.00008	0.00007
3754193.58	0.00022	0.00022	0.00043	0.00021	0.00016	0.00012	0.00009	0.00008	0.00006
3754084.94	0.00016	0.00018	0.00045	0.00018	0.00014	0.00011	0.00009	0.00007	0.00006
3753976.30	0.00013	0.00015	0.00036	0.00019	0.00016	0.00011	0.00009	0.00007	0.00006
3753867.66	0.00010	0.00012	0.00024	0.00032	0.00037	0.00012	0.00008	0.00007	0.00006
3753759.02	0.00009	0.00010	0.00011	0.00013	0.00026	0.00012	0.00008	0.00006	0.00005
3753650.38	0.00008	0.00009	0.00010	0.00011	0.00025	0.00012	0.00008	0.00006	0.00006
3753531.74	0.00011	0.00011	0.00012	0.00013	0.00025	0.00012	0.00009	0.00008	0.00008
3753433.10	0.00009	0.00009	0.00012	0.00010	0.00012	0.00012	0.00012	0.00011	0.00010
*** AERMOD - VERSION 21112 ***									
			120_0						
	3		_						
	5	*** THE PERIO	— D (43848 HRS)			VALUES FOR SOUR			
	_	*** THE PERION	_ D (43848 HRS) SOURCE(S):	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	,
		*** THE PERION INCLUDING , L0002554	O (43848 HRS) SOURCE(S): , L0002555	STCK1 , L0002556	, STCK2 , L0002557	, STCK3 , L0002558	, STCK4 , L0002559	, STCK5 , L000256	
	L0002561	*** THE PERION INCLUDING , L0002554 , L0002562	O (43848 HRS) SOURCE(S): , L0002555 , L0002563	STCK1 , L0002556 , L0002564	, STCK2 , L0002557 , L0002565	, STCK3 , L0002558 , L0002566	, STCK4 , L0002559 , L0002567	, STCK5 , L000256 , L000256	
	L0002561	*** THE PERION INCLUDING , L0002554 , L0002562	O (43848 HRS) SOURCE(S): , L0002555	STCK1 , L0002556	, STCK2 , L0002557	, STCK3 , L0002558	, STCK4 , L0002559	, STCK5 , L000256	
	L0002561	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570	O (43848 HRS) SOURCE(S): , L0002555 , L0002563	STCK1 , L0002556 , L0002564 , L0002572	, STCK2 , L0002557 , L0002565 , L0002573	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567	, STCK5 , L000256 , L000256	8 ,
	L0002561	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	D (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1	STCK1 , L0002556 , L0002564 , L0002572	, STCK2 , L0002557 , L0002565 , L0002573	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
	L0002561	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571	STCK1 , L0002556 , L0002564 , L0002572	, STCK2 , L0002557 , L0002565 , L0002573	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567	, STCK5 , L000256 , L000256	8 ,
Y-COORD	L0002561	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	D (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
Y-COORD (METERS)	L0002561	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	D (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
	L0002561 L0002569	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
	L0002561 L0002569	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
	L0002561 L0002569	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS)	L0002561 L0002569	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO ** (403193.58	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS)	L0002561 L0002569	*** THE PERIOD INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS)	L0002561 L0002569 403068.53 	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS)	L0002561 L0002569 403068.53 	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008 0.00006	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005 0.00005	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98	L0002561 L0002569 403068.53 0.00009 0.00013 0.00007 0.00007	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008 0.00006 0.00006	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005 0.00005	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34	L0002561 L0002569 403068.53 0.00009 0.00013 0.00007 0.00007 0.00006	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008 0.00006 0.00006 0.00006	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005 0.00005 0.00005 0.00005	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70	L0002561 L0002569 403068.53 	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008 0.00006 0.00006 0.00006 0.00005 0.00005	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005 0.00005 0.00005 0.00004 0.00004	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70 3754954.06	L0002561 L0002569 403068.53 	*** THE PERIOR INCLUDING , L0002554 , L0002562 , L0002570 *** NETWO 403193.58 0.00010 0.00008 0.00006 0.00006 0.00005 0.00005 0.00005	O (43848 HRS) SOURCE(S): , L0002555 , L0002563 , L0002571 DRK ID: UCART1 CONC OF DPM 403318.63 0.00006 0.00005 0.00005 0.00005 0.00004 0.00004 0.00004	STCK1 , L0002556 , L0002564 , L0002572 ; NETWORF	, STCK2 , L0002557 , L0002565 , L0002573 C TYPE: GRIDCA	, STCK3 , L0002558 , L0002566 , L0002574	, STCK4 , L0002559 , L0002567 , L0002575	, STCK5 , L000256 , L000256	8 ,

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               0.00005
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                                        0.00004
 3754519.50
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                            0.00004
                                        0.00004
 3754410.86
                 0.00005
                            0.00004
                                        0.00004
               0.00005
 3754302.22
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                                        0.00004
 3754193.58
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                                        0.00004
                 0.00005
 3754084.94
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                 0.00005
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                                        0.00004
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                          0.00004
                                        0.00004
 3753650.38
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               0.00007
 3753541.74
                             0.00006
                                        0.00004
 3753433.10 0.00010
                             0.00008
                                        0.00004
                                                                                             ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                                       01/20/22
14:34:40
                                                                                                       PAGE 54
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                          including source(s): stck1 , stck2 , stck3 , stck4
                                                                                                 , STCK5
                                                                                    , L0002559
              L0002553
                         , L0002554
                                    , L0002555 , L0002556 , L0002557 , L0002558
                                                                                                  , L0002560
              L0002561 , L0002562 , L0002563 , L0002564 , L0002565 , L0002566 , L0002567
                                                                                                 , L0002568 ,
              L0002569 , L0002570 , L0002571 , L0002572 , L0002573 , L0002574 , L0002575
                                                                                                 , . . .
                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***
                                  ** CONC OF DPM IN MICROGRAMS/M**3
     X-COORD (M) Y-COORD (M)
                                  CONC
                                            X-COORD (M) Y-COORD (M)
                                                                                      CONC

      401611.34
      3754416.63
      0.00023

      401548.67
      3754638.98
      0.00018

      402492.59
      3754623.98
      0.00023

      402487.63
      3753865.10
      0.00031

                                                                       3754478.07 0.00017
                                                           401540.87
                                                           401600.93
                                                                      3754832.07
                                                                                      0.00019
                                                           402490.28 3754733.27
                                                                                    0.00026
                                                           403257.84 3755558.44
                                                                                      0.00013
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                             ***
                                                                                                       01/20/22
                                                                                             ***
14:34:40
                                                                                                       PAGE 55
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                                  *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***
                               ** CONC OF DPM IN MICROGRAMS/M**3
              AVERAGE CONC
                                       RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
GROUP ID
ALL
        1ST HIGHEST VALUE IS 0.00294 AT ( 402068.13, 3754628.14, 44.40, 44.40, 0.00) GC UCART1
        2ND HIGHEST VALUE IS 0.00235 AT ( 402068.13, 3754736.78, 44.20, 44.20, 0.00) GC UCART1
```

```
0.00200 AT ( 401943.08, 3754628.14,
        3RD HIGHEST VALUE IS
                                                                         43.80,
                                                                                  43.80,
                                                                                           0.00) GC UCART1
                                  0.00194 AT ( 402193.18, 3754628.14,
                                                                         44.30,
                                                                                  44.30,
                                                                                           0.00) GC UCART1
        4TH HIGHEST VALUE IS
        5TH HIGHEST VALUE IS
                                  0.00186 AT ( 402193.18, 3754736.78,
                                                                         45.00,
                                                                                  45.00,
                                                                                           0.00) GC UCART1
        6TH HIGHEST VALUE IS
                                  0.00128 AT ( 401943.08, 3754519.50,
                                                                         42.40,
                                                                                  42.40,
                                                                                           0.00) GC UCART1
        7TH HIGHEST VALUE IS
                                  0.00119 AT ( 402193.18, 3754845.42,
                                                                         45.60,
                                                                                  45.60,
                                                                                           0.00) GC UCART1
                                  0.00114 AT (
                                               402193.18, 3754519.50,
                                                                         42.80,
                                                                                           0.00) GC UCART1
        8TH HIGHEST VALUE IS
                                                                                  42.80,
        9TH HIGHEST VALUE IS
                                  0.00110 AT ( 401943.08, 3754736.78,
                                                                         43.40,
                                                                                  43.40,
                                                                                           0.00) GC UCART1
                                  0.00106 AT ( 402068.13, 3754519.50,
                                                                         43.40,
                                                                                 43.40,
                                                                                           0.00) GC UCART1
       10TH HIGHEST VALUE IS
*** RECEPTOR TYPES: GC = GRIDCART
                    GP = GRIDPOLR
                    DC = DISCCART
                    DP = DISCPOLR
                                                                                                     ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone OY\Greenstone OY.isc
                                                                                                                01/20/22
***
                                                                                                               14:34:40
                                                                                                                PAGE 56
*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ_U*
*** Message Summary : AERMOD Model Execution ***
 ----- Summary of Total Messages -----
A Total of
                     0 Fatal Error Message(s)
A Total of
                     9 Warning Message(s)
A Total of
                  1277 Informational Message(s)
A Total of
                 43848 Hours Were Processed
A Total of
                  152 Calm Hours Identified
A Total of
                  1125 Missing Hours Identified ( 2.57 Percent)
   ****** FATAL ERROR MESSAGES ******
             *** NONE ***
   ****** WARNING MESSAGES
                               ******
SO W320
          1097
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
SO W320
          1098
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                      VS
SO W320
          1099
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                      VS
SO W320
          1100
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                      VS
SO W320
          1101
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                      VS
                     MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
ME W186
          2229
                                                                                    0.50
                     MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W187
          2229
MX W450
         26305
                     CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                                15010101
MX W450
         26305
                     CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                              2 year gap
```

Apx-105

```
** Lakes Environmental AERMOD MPI
**********
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/20/2022
** File: C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.ADI
**********
**********
** AERMOD Control Pathway
************
* *
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc
  TITLETWO 19471 Greenstone DPM Conc Years 2023 and 2024
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Greenstone 2 year.err"
CO FINISHED
***********
** AERMOD Source Pathway
**********
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION STCK1 POINT 402181.270 3754671.540
                                                        44.810
** DESCRSRC Entrance/exit idling location
                           402180.356 3754589.018
                                                        44.040
  LOCATION STCK2
                POINT
** DESCRSRC Entrance/exit idling location
  LOCATION STCK3
                POINT 402012.458 3754650.448
                                                        44.270
** DESCRSRC Loading dock idling
  LOCATION STCK4 POINT
                             402045.826 3754650.588
                                                        44.470
** DESCRSRC Loading dock idling
                             402074.447 3754650.588
  LOCATION STCK5
                 POINT
                                                        44.550
** DESCRSRC Loading dock idling
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-site truck travel
```

```
** PREFTX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 5.78E-06
** Elevated
** Building Height = 12.50
** SZINIT = 5.81
** Nodes = 9
** 402184.200, 3754671.918, 44.66, 3.50, 4.00
** 401933.856, 3754672.185, 43.63, 3.50, 4.00
** 401928.507, 3754665.766, 43.41, 3.50, 4.00
** 401925.565, 3754654.800, 43.07, 3.50, 4.00
** 401924.763, 3754628.589, 42.91, 3.50, 4.00
** 401925.833, 3754594.889, 42.48, 3.50, 4.00
** 401929.042, 3754590.075, 42.44, 3.50, 4.00
** 401936.264, 3754586.598, 43.42, 3.50, 4.00
** 402185.003, 3754587.935, 43.91, 3.50, 4.00
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  LOCATION L0002554
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  LOCATION L0002555
                        VOLUME
                                 402162.723 3754671.941 44.95
                        VOLUME
  LOCATION L0002556
                                 402154.133 3754671.950 44.89
  LOCATION L0002557
                        VOLUME
                                 402145.542 3754671.959 44.83
                        VOLUME
                                 402136.951 3754671.969 44.81
  LOCATION L0002558
  LOCATION L0002559
                        VOLUME
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  LOCATION L0002560
                        VOLUME
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  LOCATION L0002572
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  LOCATION L0002579
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  LOCATION L0002581
                        VOLUME
                                 401939.363 3754672.180 43.67
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                        VOLUME
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  LOCATION L0002584
                        VOLUME
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  LOCATION L0002585
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                                401991.940 3754586.897 43.72
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                       VOLUME
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                       VOLUME
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                       VOLUME
                               402017.712 3754587.036 43.89
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  LOCATION L0002603
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                               402026.303 3754587.082 43.95
                        VOLUME
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  LOCATION L0002605
                       VOLUME
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  LOCATION L0002606
                       VOLUME
                                402052.075 3754587.220 44.04
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                       VOLUME
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  LOCATION L0002608
                        VOLUME
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                               402077.847 3754587.359 44.06
  LOCATION L0002609
                       VOLUME
  LOCATION L0002610
                       VOLUME
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                               402103.619 3754587.498 44.11
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                       VOLUME
  LOCATION L0002613
                       VOLUME
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                       VOLUME
                               402120.800 3754587.590 44.15
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  LOCATION L0002615
                       VOLUME 402129.391 3754587.636 44.16
                       VOLUME
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  LOCATION L0002617
                       VOLUME
  LOCATION L0002618
                       VOLUME
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                       VOLUME
                               402163.753 3754587.821 44.28
  LOCATION L0002620
                       VOLUME
                               402172.344 3754587.867 44.19
  LOCATION L0002621
                       VOLUME 402180.935 3754587.913 44.01
** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Northbound offsite truck traffic to Florence Ave
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.14E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 10
** 402196.403, 3754671.075, 44.64, 3.49, 4.00
** 402198.605, 3754727.405, 45.27, 3.49, 4.00
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LOCATION L0002586

VOLUME

401925.022 3754637.071 43.25

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** 402202.382, 3754780.274, 45.37, 3.49, 4.00
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** 402203.205, 3755009.914, 46.43, 3.49, 4.00
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                                 402201.015 3754761.141 45.28
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                        VOLUME
                                 402201.627 3754769.709 45.33
  LOCATION L0002703
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                                402202.239 3754778.277 45.38
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                        VOLUME
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  LOCATION L0002706
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                                 402202.196 3754812.631 45.56
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  LOCATION L0002711
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  LOCATION L0002714
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                        VOLUME
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                        VOLUME
                                 402202.209 3754941.476 46.26
                        VOLUME
                                 402202.334 3754950.065 46.30
  LOCATION L0002723
  LOCATION L0002724
                        VOLUME
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                        VOLUME
                                 402202.584 3754967.243 46.36
  LOCATION L0002725
  LOCATION L0002726
                        VOLUME
                                 402202.709 3754975.832 46.39
  LOCATION L0002727
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                                 402202.959 3754993.010 46.45
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                        VOLUME
  LOCATION L0002729
                        VOLUME
                                 402203.084 3755001.599 46.48
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                        VOLUME
                                 402203.205 3755010.189 46.48
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                        VOLUME
                                 402203.205 3755018.779 46.43
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                        VOLUME
                                402203.205 3755027.369 46.39
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LOCATION	L0002733	VOLUME	402203.205	3755035.959	46.34
LOCATION	L0002734	VOLUME	402203.205	3755044.549	46.22
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LOCATION	L0002736	VOLUME	402203.205	3755061.729	45.95
LOCATION	L0002737	VOLUME	402203.205	3755070.319	45.83
LOCATION	L0002738	VOLUME	402205.093	3755078.337	45.81
LOCATION	L0002739	VOLUME	402211.085	3755083.214	45.94
LOCATION	L0002740	VOLUME	402219.674	3755083.284	46.20
LOCATION	L0002741	VOLUME	402228.264	3755083.353	46.37
LOCATION	L0002742	VOLUME	402236.854	3755083.422	46.46
LOCATION	L0002743	VOLUME	402245.443	3755083.492	46.56
LOCATION	L0002744	VOLUME	402254.033	3755083.561	46.62
LOCATION	L0002745	VOLUME	402262.623	3755083.631	46.66
LOCATION	L0002746	VOLUME	402271.213	3755083.700	46.70
LOCATION	L0002747	VOLUME	402279.802	3755083.770	46.72
LOCATION	L0002748	VOLUME	402288.392	3755083.839	46.72
LOCATION	L0002749	VOLUME	402296.982	3755083.908	46.72
LOCATION	L0002750	VOLUME	402305.571	3755083.978	46.71
LOCATION	L0002751	VOLUME	402314.161	3755084.047	46.69
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LOCATION	L0002754	VOLUME	402339.930	3755084.255	46.60
LOCATION	L0002755	VOLUME	402348.520	3755084.325	46.56
LOCATION	L0002756	VOLUME	402357.110	3755084.394	46.60
LOCATION	L0002757	VOLUME	402365.700	3755084.464	46.68
LOCATION	L0002758	VOLUME	402374.289	3755084.533	46.75
LOCATION	L0002759	VOLUME	402382.879	3755084.602	46.80
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LOCATION	L0002761	VOLUME	402400.058	3755084.741	46.88
LOCATION	L0002762	VOLUME	402408.648	3755084.811	46.90
LOCATION	L0002763	VOLUME	402417.238	3755084.880	46.91
LOCATION	L0002764	VOLUME	402425.828	3755084.950	46.92
LOCATION	L0002765	VOLUME	402434.417	3755085.019	46.93
LOCATION	L0002766	VOLUME	402443.007	3755085.088	46.93
LOCATION	L0002767	VOLUME	402451.597	3755085.158	46.93
LOCATION	L0002768	VOLUME	402460.186	3755085.227	46.95
LOCATION	L0002769	VOLUME	402468.476	3755087.239	46.99
LOCATION	L0002770	VOLUME	402468.705	3755095.703	47.00
LOCATION	L0002771	VOLUME	402468.765	3755104.293	47.12
LOCATION	L0002772	VOLUME	402468.825	3755112.883	47.24
LOCATION	L0002773	VOLUME	402468.885	3755121.473	47.37
LOCATION	L0002774	VOLUME	402468.945	3755130.063	47.47
LOCATION	L0002775	VOLUME	402469.005	3755138.652	47.51
LOCATION	L0002776	VOLUME	402469.065	3755147.242	
LOCATION	L0002777	VOLUME	402469.125	3755155.832	
LOCATION	L0002778	VOLUME	402469.185	3755164.422	47.59
LOCATION	L0002779	VOLUME	402469.245	3755173.012	47.55
LOCATION	L0002780	VOLUME	402469.305	3755181.601	47.51
LOCATION	L0002781	VOLUME	402469.365	3755190.191	47.49
	L0002782	VOLUME	402469.425	3755198.781	47.52
LOCATION	L0002783	VOLUME	402469.485	3755207.371	47.55

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LOCATION L0002784
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                       VOLUME
  LOCATION L0002786
                       VOLUME
                                402469.665 3755233.140 47.72
  LOCATION L0002787
                       VOLUME
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  LOCATION L0002788
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                        VOLUME
                                402469.844 3755258.909 47.81
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  LOCATION L0002790
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                       VOLUME
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  LOCATION L0002793
                        VOLUME
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  LOCATION L0002794
                       VOLUME
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                                402470.204 3755310.448 47.95
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                       VOLUME
  LOCATION L0002796
                       VOLUME
                                402470.264 3755319.038 47.99
  LOCATION L0002797
                                402470.324 3755327.628 48.03
                       VOLUME
  LOCATION L0002798
                       VOLUME
                                402470.384 3755336.218 48.06
  LOCATION L0002799
                       VOLUME
                                402470.444 3755344.807 48.08
  LOCATION L0002800
                       VOLUME
                                402470.504 3755353.397 48.05
  LOCATION L0002801
                       VOLUME
                                402470.564 3755361.987 48.02
                        VOLUME
                                402470.624 3755370.577 47.98
  LOCATION L0002802
  LOCATION L0002803
                       VOLUME
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  LOCATION L0002804
                       VOLUME
                                402470.744 3755387.756 48.09
  LOCATION L0002805
                       VOLUME
                                402470.804 3755396.346 48.17
  LOCATION L0002806
                       VOLUME
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                       VOLUME
                               402470.924 3755413.526 48.25
  LOCATION L0002807
  LOCATION L0002808
                       VOLUME
                                402470.984 3755422.115 48.27
  LOCATION L0002809
                       VOLUME
                               402471.044 3755430.705 48.28
  LOCATION L0002810
                       VOLUME 402471.104 3755439.295 48.32
  LOCATION L0002811
                       VOLUME 402471.164 3755447.885 48.37
** End of LINE VOLUME Source ID = SLINE2
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Southbound offsite truck traffic to Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.79E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 9
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LOCATION	L0002814	VOLUME	402197.954	3754566.817	43.63
LOCATION	L0002815	VOLUME	402197.981	3754558.227	43.54
LOCATION	L0002816	VOLUME	402198.007	3754549.637	43.46
LOCATION	L0002817	VOLUME	402198.034	3754541.047	43.36
LOCATION	L0002818	VOLUME	402198.061	3754532.457	43.22
LOCATION	L0002819	VOLUME	402198.088	3754523.867	43.08
LOCATION	L0002820	VOLUME	402198.115	3754515.277	42.93
LOCATION	L0002821	VOLUME	402198.142	3754506.687	42.79
LOCATION	L0002822	VOLUME	402198.169	3754498.097	42.65
LOCATION	L0002823	VOLUME	402198.196	3754489.507	42.50
LOCATION	L0002824	VOLUME	402198.223	3754480.917	42.37
LOCATION	L0002825	VOLUME	402198.250	3754472.327	42.28
LOCATION	L0002826	VOLUME	402198.276	3754463.737	42.19
LOCATION	L0002827	VOLUME	402198.303	3754455.147	42.10
LOCATION	L0002828	VOLUME	402198.330	3754446.557	42.00
LOCATION	L0002829	VOLUME	402198.357	3754437.968	41.90
LOCATION	L0002830	VOLUME	402198.384	3754429.378	41.80
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LOCATION	L0002833	VOLUME	402198.465	3754403.608	41.53
LOCATION	L0002834	VOLUME	402198.492	3754395.018	41.45
LOCATION	L0002835	VOLUME	402198.519	3754386.428	41.31
LOCATION	L0002836	VOLUME	402198.545	3754377.838	41.09
LOCATION	L0002837	VOLUME	402198.572	3754369.248	40.88
LOCATION	L0002838	VOLUME	402198.599	3754360.658	40.66
LOCATION	L0002839	VOLUME	402198.626	3754352.068	40.57
LOCATION	L0002840	VOLUME	402198.653	3754343.478	40.51
LOCATION	L0002841	VOLUME	402198.680	3754334.888	40.44
LOCATION	L0002842	VOLUME	402198.707	3754326.298	40.37
LOCATION	L0002843	VOLUME	402198.734	3754317.708	40.27
LOCATION	L0002844	VOLUME	402198.761	3754309.118	40.17
LOCATION	L0002845	VOLUME	402198.788	3754300.528	40.08
LOCATION	L0002846	VOLUME	402198.814	3754291.938	40.06
LOCATION	L0002847	VOLUME	402198.841	3754283.348	40.09
LOCATION	L0002848	VOLUME	402198.868	3754274.758	40.11
LOCATION	L0002849	VOLUME	402198.895	3754266.168	40.13
LOCATION	L0002850	VOLUME	402198.922	3754257.578	40.11
LOCATION	L0002851	VOLUME	402198.949	3754248.988	40.09
LOCATION	L0002852	VOLUME	402198.976	3754240.398	40.08
LOCATION	L0002853	VOLUME	402199.003	3754231.809	40.03
LOCATION	L0002854	VOLUME	402199.030	3754223.219	39.95
LOCATION	L0002855	VOLUME	402199.057	3754214.629	39.87
LOCATION	L0002856	VOLUME	402199.083	3754206.039	39.80
LOCATION	L0002857	VOLUME	402199.110	3754197.449	39.72
LOCATION	L0002858	VOLUME	402199.137	3754188.859	39.65
LOCATION	L0002859	VOLUME	402199.164	3754180.269	39.58
LOCATION	L0002860	VOLUME	402199.191	3754171.679	39.52
LOCATION	L0002861	VOLUME	402199.218	3754163.089	39.48
LOCATION	L0002862	VOLUME	402199.245	3754154.499	39.45

LOCATION	L0002863	VOLUME	402199.272	3754145.909	39.42
LOCATION	L0002864	VOLUME	402199.299	3754137.319	39.38
LOCATION	L0002865	VOLUME	402199.326	3754128.729	39.34
LOCATION	L0002866	VOLUME	402199.352	3754120.139	39.30
LOCATION	L0002867	VOLUME	402199.379	3754111.549	39.28
LOCATION	L0002868	VOLUME	402199.406	3754102.959	39.32
LOCATION	L0002869	VOLUME	402199.433	3754094.369	39.37
LOCATION	L0002870	VOLUME	402199.460	3754085.779	39.41
LOCATION	L0002871	VOLUME	402199.487	3754077.189	39.46
LOCATION	L0002872	VOLUME	402199.514	3754068.599	39.50
LOCATION	L0002873	VOLUME	402199.541	3754060.009	39.55
LOCATION	L0002874	VOLUME	402199.568	3754051.419	39.59
LOCATION	L0002875	VOLUME	402199.595	3754042.829	39.51
LOCATION	L0002876	VOLUME	402199.621	3754034.240	39.43
LOCATION	L0002877	VOLUME	402199.648	3754025.650	39.35
LOCATION	L0002878	VOLUME	402199.675	3754017.060	39.26
LOCATION	L0002879	VOLUME	402199.702	3754008.470	39.17
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LOCATION	L0002881	VOLUME	402199.756	3753991.290	38.98
LOCATION	L0002882	VOLUME	402199.783	3753982.700	38.86
LOCATION	L0002883	VOLUME	402199.810	3753974.110	38.73
LOCATION	L0002884	VOLUME	402199.837	3753965.520	38.61
LOCATION	L0002885	VOLUME	402199.864	3753956.930	38.49
	L0002886	VOLUME	402199.890	3753948.340	38.41
	L0002887	VOLUME	402199.917	3753939.750	38.33
	L0002888	VOLUME	402199.944	3753931.160	38.26
	L0002889	VOLUME	402199.971	3753922.570	38.21
	L0002890	VOLUME	402199.998	3753913.980	38.19
	L0002891	VOLUME	402200.025	3753905.390	38.16
	L0002892	VOLUME	402200.175	3753896.811	38.13
	L0002893	VOLUME	402202.290	3753888.688	38.05
	L0002894	VOLUME	402210.155	3753886.769	38.15
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	L0002896	VOLUME	402227.335	3753886.794	38.54
	L0002897	VOLUME	402235.925	3753886.806	38.74
	L0002898	VOLUME	402244.515	3753886.819	38.85
	L0002899	VOLUME	402253.105	3753886.831	38.97
	L0002900	VOLUME	402261.695	3753886.844	39.08
	L0002901	VOLUME	402270.285	3753886.857	39.25
	L0002902	VOLUME	402278.875	3753886.869	39.43
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	L0002904	VOLUME	402296.055	3753886.894	39.70
	L0002905	VOLUME	402304.645	3753886.907	39.77
	L0002906	VOLUME	402313.235	3753886.919	39.85
	L0002907	VOLUME	402321.825	3753886.932	40.05
	L0002908	VOLUME	402330.415	3753886.945	40.26
	L0002909	VOLUME	402339.005	3753886.957	40.46
	L0002909	VOLUME	402347.595	3753886.970	40.64
	L0002910	VOLUME	402356.185	3753886.982	40.82
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	L0002912	VOLUME		3753887.008	
TOCALION	-0002713	* OTIO141E	1020/0.000	3/3300/.000	44.11

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LOCATION	L0002915	VOLUME	402390.545	3753887.033	41.34
LOCATION	L0002916	VOLUME	402399.135	3753887.045	41.52
LOCATION	L0002917	VOLUME	402407.725	3753887.058	41.70
LOCATION	L0002918	VOLUME	402416.315	3753887.070	41.88
LOCATION	L0002919	VOLUME	402424.905	3753887.083	41.94
LOCATION	L0002920	VOLUME	402433.495	3753887.096	42.00
LOCATION	L0002921	VOLUME	402442.085	3753887.108	42.05
LOCATION	L0002922	VOLUME	402450.675	3753887.121	42.02
LOCATION	L0002923	VOLUME	402459.068	3753886.295	41.98
LOCATION	L0002924	VOLUME	402465.723	3753881.453	41.89
LOCATION	L0002925	VOLUME	402467.879	3753873.259	41.78
LOCATION	L0002926	VOLUME	402468.779	3753864.716	41.69
LOCATION	L0002927	VOLUME	402468.886	3753856.131	41.67
LOCATION	L0002928	VOLUME	402468.899	3753847.541	41.65
LOCATION	L0002929	VOLUME	402468.911	3753838.951	41.63
	L0002930	VOLUME	402468.924	3753830.361	41.61
	L0002931	VOLUME	402468.936	3753821.771	41.59
	L0002932	VOLUME	402468.949	3753813.181	41.57
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LOCATION	L0002935	VOLUME	402468.987	3753787.411	41.51
LOCATION	L0002936	VOLUME	402468.999	3753778.821	41.49
	L0002937	VOLUME	402469.012	3753770.231	41.46
	L0002938	VOLUME	402469.024	3753761.641	
	L0002939	VOLUME	402469.037	3753753.051	
	L0002940	VOLUME	402469.049	3753744.461	41.32
	L0002941	VOLUME	402469.062	3753735.871	41.27
	L0002942	VOLUME	402469.075	3753727.281	41.21
	L0002943	VOLUME	402469.087	3753718.691	41.15
	L0002944	VOLUME	402469.100	3753710.101	41.09
	L0002945	VOLUME	402469.112	3753701.511	41.02
	L0002946	VOLUME	402469.125	3753692.921	40.95
	L0002947	VOLUME	402469.137	3753684.331	40.87
	L0002948	VOLUME	402469.150	3753675.741	40.79
	L0002949	VOLUME	402469.162	3753667.151	40.71
	L0002950	VOLUME	402469.175	3753658.561	40.63
	L0002951	VOLUME	402469.188	3753649.971	40.54
	L0002952	VOLUME	402469.200	3753641.381	40.44
	L0002953	VOLUME	402469.213	3753632.791	40.35
	L0002954	VOLUME	402469.225	3753624.201	40.25
	L0002955	VOLUME	402469.238	3753615.611	40.14
	L0002956	VOLUME	402469.250	3753607.022	40.02
	L0002957	VOLUME	402469.263	3753598.432	39.90
	L0002957	VOLUME	402469.276	3753598.432	39.77
	L0002958	VOLUME	402469.288	3753589.842	39.65
	L0002959	VOLUME	402469.301	3753561.252	39.52
	L0002961	VOLUME	402469.301	3753572.002	39.32
	L0002961 L0002962	VOLUME	402469.313	3753554.072	39.39
	L0002962	VOLUME	402469.328	3753555.462	39.20
	L0002963	VOLUME	402469.351	3753546.692	
LOCALION	T00072204	AOTOME	402409.351	3133330.302	39.00

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LOCATION L0002965
                       VOLUME 402469.363 3753529.712 38.86
                       VOLUME 402469.376 3753521.122 38.68
  LOCATION L0002966
  LOCATION L0002967
                       VOLUME 402469.389 3753512.532 38.44
  LOCATION L0002968
                       VOLUME 402469.401 3753503.942 38.21
  LOCATION L0002969
                       VOLUME 402469.414 3753495.352 37.97
** End of LINE VOLUME Source ID = SLINE3
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC East and West along Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.49E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 11
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** 402283.719, 3753490.834, 38.43, 3.49, 4.00
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** 403260.685, 3753470.508, 30.75, 3.49, 4.00
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  LOCATION L0002971
                       VOLUME
                              400861.067 3753485.240 32.88
  LOCATION L0002972
                       VOLUME
                               400869.657 3753485.274 32.86
  LOCATION L0002973
                       VOLUME
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  LOCATION L0002974
                       VOLUME
                               400886.837 3753485.341 32.79
                               400895.427 3753485.375 32.75
  LOCATION L0002975
                       VOLUME
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  LOCATION L0002976
                       VOLUME
  LOCATION L0002977
                       VOLUME
                               400912.607 3753485.442 32.79
  LOCATION L0002978
                       VOLUME
                               400921.197 3753485.476 32.81
  LOCATION L0002979
                       VOLUME
                               400929.787 3753485.510 32.81
  LOCATION L0002980
                       VOLUME
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                       VOLUME 400946.967 3753485.578 32.80
  LOCATION L0002981
  LOCATION L0002982
                       VOLUME
                               400955.556 3753485.611 32.81
                       VOLUME
                               400964.146 3753485.645 32.82
  LOCATION L0002983
  LOCATION L0002984
                       VOLUME
                               400972.736 3753485.679 32.83
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                       VOLUME
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                               400989.916 3753485.746 32.77
  LOCATION L0002986
                       VOLUME
  LOCATION L0002987
                       VOLUME
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  LOCATION L0002988
                       VOLUME
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  LOCATION L0002989
                       VOLUME
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  LOCATION L0002990
                       VOLUME 401024.276 3753485.882 32.66
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LOCATION	L0002991	VOLUME	401032.866	3753485.915	32.67
LOCATION	L0002992	VOLUME	401041.456	3753485.949	32.68
LOCATION	L0002993	VOLUME	401050.046	3753485.983	32.70
LOCATION	L0002994	VOLUME	401058.636	3753486.017	32.71
LOCATION	L0002995	VOLUME	401067.226	3753486.050	32.71
LOCATION	L0002996	VOLUME	401075.816	3753486.084	32.72
LOCATION	L0002997	VOLUME	401084.405	3753486.118	32.69
LOCATION	L0002998	VOLUME	401092.995	3753486.152	32.64
LOCATION	L0002999	VOLUME	401101.585	3753486.186	32.60
LOCATION	L0003000	VOLUME	401110.175	3753486.219	32.56
LOCATION	L0003001	VOLUME	401118.765	3753486.253	32.52
LOCATION	L0003002	VOLUME	401127.355	3753486.287	32.48
LOCATION	L0003003	VOLUME	401135.945	3753486.321	32.50
LOCATION	L0003004	VOLUME	401144.535	3753486.354	32.54
LOCATION	L0003005	VOLUME	401153.125	3753486.388	32.58
LOCATION	L0003006	VOLUME	401161.715	3753486.422	32.54
	L0003007	VOLUME	401170.305	3753486.456	32.50
	L0003008	VOLUME	401178.895	3753486.490	32.45
	L0003009	VOLUME	401187.485	3753486.523	32.40
	L0003010	VOLUME	401196.075	3753486.557	32.36
	L0003011	VOLUME	401204.665	3753486.591	32.31
LOCATION	L0003012	VOLUME	401213.254	3753486.625	32.32
LOCATION	L0003013	VOLUME	401221.844	3753486.658	32.34
	L0003014	VOLUME	401230.434	3753486.692	32.36
	L0003015	VOLUME	401239.024	3753486.726	32.31
	L0003016	VOLUME	401247.614	3753486.760	32.26
	L0003017	VOLUME	401256.204	3753486.793	32.20
	L0003018	VOLUME	401264.794	3753486.827	32.25
	L0003019	VOLUME	401273.384		32.31
	L0003020	VOLUME	401281.974	3753486.895	32.37
	L0003021	VOLUME	401290.564	3753486.929	32.37
	L0003022	VOLUME		3753486.962	32.36
	L0003023	VOLUME		3753486.996	32.35
	L0003024	VOLUME	401316.334	3753487.030	32.32
	L0003025	VOLUME	401324.924	3753487.064	
	L0003026	VOLUME	401333.514		32.27
	L0003027	VOLUME	401342.103	3753487.131	32.24
	L0003027	VOLUME	401350.693	3753487.165	32.21
	L0003029	VOLUME	401359.283	3753487.199	32.18
	L0003029	VOLUME	401367.873	3753487.233	32.16
	L0003031	VOLUME	401376.463	3753487.266	32.13
	L0003032	VOLUME	401385.053	3753487.300	32.11
	L0003032	VOLUME	401393.643	3753487.334	
	L0003033	VOLUME	401402.233	3753487.368	32.22
	L0003034	VOLUME	401410.823	3753487.300	32.27
	L0003035	VOLUME	401410.823	3753487.435	32.40
	L0003030	VOLUME	401428.003	3753487.469	32.53
	L0003037	VOLUME	401426.003	3753487.503	32.66
	L0003038	VOLUME	401436.393	3753487.533	32.82
	L0003039	VOLUME		3753487.537	32.02
	L0003040	VOLUME		3753487.570	
TOCALION	TOOODOAT	A OTIOIAE	101704.303	5133701.004	JJ.10

LOCATION	L0003042	VOLUME	401470.952	3753487.638	33.25
LOCATION	L0003043	VOLUME	401479.542	3753487.672	33.35
LOCATION	L0003044	VOLUME	401488.132	3753487.705	33.44
LOCATION	L0003045	VOLUME	401496.722	3753487.739	33.48
LOCATION	L0003046	VOLUME	401505.312	3753487.773	33.51
LOCATION	L0003047	VOLUME	401513.902	3753487.807	33.54
LOCATION	L0003048	VOLUME	401522.492	3753487.840	33.60
LOCATION	L0003049	VOLUME	401531.082	3753487.874	33.65
LOCATION	L0003050	VOLUME	401539.672	3753487.908	33.71
LOCATION	L0003051	VOLUME	401548.262	3753487.942	33.76
LOCATION	L0003052	VOLUME	401556.852	3753487.976	33.81
LOCATION	L0003053	VOLUME	401565.442	3753488.009	33.87
LOCATION	L0003054	VOLUME	401574.032	3753488.043	33.98
LOCATION	L0003055	VOLUME	401582.622	3753488.077	34.09
LOCATION	L0003056	VOLUME	401591.212	3753488.111	34.20
LOCATION	L0003057	VOLUME	401599.801	3753488.144	34.28
	L0003058	VOLUME	401608.391	3753488.178	34.37
	L0003059	VOLUME	401616.981	3753488.212	34.45
	L0003060	VOLUME	401625.571	3753488.246	34.52
	L0003061	VOLUME	401634.161	3753488.280	34.58
	L0003062	VOLUME	401642.751	3753488.313	34.64
LOCATION	L0003063	VOLUME	401651.341	3753488.347	34.66
	L0003064	VOLUME	401659.931	3753488.381	34.68
	L0003065	VOLUME	401668.521	3753488.415	34.70
	L0003066	VOLUME	401677.111	3753488.448	34.68
	L0003067	VOLUME	401685.701	3753488.482	34.67
	L0003068	VOLUME	401694.291	3753488.516	34.66
	L0003069	VOLUME	401702.881	3753488.550	34.64
	L0003070	VOLUME	401711.471	3753488.584	34.62
	L0003071	VOLUME	401720.061	3753488.617	34.60
	L0003072	VOLUME	401728.650	3753488.651	34.64
	L0003073	VOLUME	401737.240	3753488.685	34.68
	L0003074	VOLUME	401745.830	3753488.719	34.72
	L0003075	VOLUME	401754.420	3753488.752	34.71
	L0003076	VOLUME	401763.010	3753488.786	34.70
	L0003077	VOLUME	401771.600	3753488.820	34.68
	L0003078	VOLUME	401780.190	3753488.854	34.63
	L0003079	VOLUME	401788.780	3753488.887	34.57
	L0003079	VOLUME	401797.370	3753488.921	34.51
	L0003081	VOLUME	401805.960	3753488.955	34.41
	L0003082	VOLUME	401814.550	3753488.989	34.32
	L0003083	VOLUME	401823.140	3753489.023	34.22
	L0003003	VOLUME	401831.730	3753489.056	34.10
	L0003084	VOLUME	401840.320	3753489.090	33.97
	L0003085	VOLUME	401848.910	3753489.090	33.86
	L0003087	VOLUME	401857.499	3753489.124	33.79
	L0003088	VOLUME	401866.089	3753489.191	33.79
	L0003089	VOLUME	401874.679	3753489.191	33.64
	L0003089	VOLUME	401883.269	3753489.225	33.49
	L0003090 L0003091	VOLUME	401883.269	3753489.259	33.49
	L0003091 L0003092	VOLUME	401891.859		33.35
LOCALION	пополяя	AOTOME	401300.449	3133407.341	JJ.19

LOCATION	L0003093	VOLUME	401909.039	3753489.360	33.02
LOCATION	L0003094	VOLUME	401917.629	3753489.394	32.85
LOCATION	L0003095	VOLUME	401926.219	3753489.428	32.78
LOCATION	L0003096	VOLUME	401934.809	3753489.462	33.10
LOCATION	L0003097	VOLUME	401943.399	3753489.495	33.42
LOCATION	L0003098	VOLUME	401951.989	3753489.529	33.63
LOCATION	L0003099	VOLUME	401960.579	3753489.563	33.38
LOCATION	L0003100	VOLUME	401969.169	3753489.597	33.12
LOCATION	L0003101	VOLUME	401977.759	3753489.631	32.95
LOCATION	L0003102	VOLUME	401986.348	3753489.664	33.11
LOCATION	L0003103	VOLUME	401994.938	3753489.698	33.27
LOCATION	L0003104	VOLUME	402003.528	3753489.732	33.45
LOCATION	L0003105	VOLUME	402012.118	3753489.766	33.70
	L0003106	VOLUME	402020.708	3753489.799	33.94
LOCATION	L0003107	VOLUME	402029.298	3753489.833	34.17
LOCATION	L0003108	VOLUME	402037.888	3753489.867	34.40
	L0003109	VOLUME	402046.478	3753489.901	34.61
	L0003110	VOLUME	402055.068	3753489.934	34.73
	L0003111	VOLUME	402063.658	3753489.968	34.58
	L0003112	VOLUME	402072.248	3753490.002	34.42
	L0003113	VOLUME	402080.838	3753490.036	34.42
LOCATION	L0003114	VOLUME	402089.428	3753490.070	34.88
LOCATION	L0003115	VOLUME	402098.018	3753490.103	35.35
	L0003116	VOLUME	402106.608	3753490.137	35.73
	L0003117	VOLUME	402115.197	3753490.171	35.86
	L0003118	VOLUME	402123.787	3753490.205	35.99
	L0003119	VOLUME	402132.377	3753490.238	36.15
	L0003120	VOLUME	402140.967	3753490.272	36.38
	L0003121	VOLUME	402149.557	3753490.306	36.61
	L0003122	VOLUME	402158.147	3753490.340	36.79
	L0003123	VOLUME	402166.737	3753490.374	36.85
	L0003124	VOLUME	402175.327	3753490.407	36.92
	L0003125	VOLUME	402183.917	3753490.441	37.01
	L0003126	VOLUME	402192.507	3753490.475	37.17
	L0003127	VOLUME	402201.097	3753490.509	37.34
	L0003128	VOLUME	402209.687	3753490.542	37.47
	L0003129	VOLUME	402218.277	3753490.576	37.53
	L0003130	VOLUME	402226.867	3753490.610	37.59
	L0003131	VOLUME	402235.457	3753490.644	37.70
	L0003132	VOLUME	402244.046	3753490.678	37.92
	L0003133	VOLUME	402252.636	3753490.711	38.14
	L0003134	VOLUME	402261.226	3753490.745	38.30
	L0003131	VOLUME	402269.816	3753490.779	38.33
	L0003135	VOLUME	402278.406	3753490.813	38.36
	L0003130	VOLUME	402286.996	3753490.887	38.38
	L0003137	VOLUME	402295.585	3753490.007	38.40
	L0003130	VOLUME	402304.173	3753491.169	38.41
	L0003139	VOLUME	402312.762	3753491.109	38.42
	L0003140	VOLUME	402312.762	3753491.310	38.43
	L0003141	VOLUME	402321.331	3753491.490	38.43
	L0003142	VOLUME	402329.940	3753491.732	
TOCALION	T0002T#3	A OTIOIAE	102330.329	J 1 J J T J T . 1 3 4	JU. 11

LOCATION	L0003144	VOLUME		3753491.830	38.45
LOCATION	L0003145	VOLUME	402355.699	3753491.461	38.46
LOCATION	L0003146	VOLUME	402364.281	3753491.091	38.45
LOCATION	L0003147	VOLUME	402372.863	3753490.721	38.40
LOCATION	L0003148	VOLUME	402381.445	3753490.351	38.36
LOCATION	L0003149	VOLUME	402390.027	3753489.981	38.35
LOCATION	L0003150	VOLUME	402398.595	3753489.451	38.40
LOCATION	L0003151	VOLUME	402407.100	3753488.249	38.42
LOCATION	L0003152	VOLUME	402415.606	3753487.047	38.42
LOCATION	L0003153	VOLUME	402424.111	3753485.845	38.36
LOCATION	L0003154	VOLUME	402432.617	3753484.643	38.30
LOCATION	L0003155	VOLUME	402441.103	3753483.322	38.20
LOCATION	L0003156	VOLUME	402449.570	3753481.871	38.03
LOCATION	L0003157	VOLUME	402458.036	3753480.419	37.88
LOCATION	L0003158	VOLUME	402466.503	3753478.968	37.74
LOCATION	L0003159	VOLUME	402475.017	3753477.838	37.64
LOCATION	L0003160	VOLUME	402483.539	3753476.753	37.54
LOCATION	L0003161	VOLUME	402492.060	3753475.669	37.45
LOCATION	L0003162	VOLUME	402500.581	3753474.584	37.37
LOCATION	L0003163	VOLUME	402509.102	3753473.500	37.28
LOCATION	L0003164	VOLUME	402517.618	3753472.375	37.20
LOCATION	L0003165	VOLUME	402526.118	3753471.132	37.12
LOCATION	L0003166	VOLUME	402534.617	3753469.888	37.02
	L0003167	VOLUME	402543.117	3753468.644	36.90
	L0003168	VOLUME	402551.620	3753467.433	36.76
	L0003169	VOLUME	402560.194	3753466.911	36.64
	L0003170	VOLUME	402568.768	3753466.389	36.52
	L0003171	VOLUME	402577.342	3753465.867	36.39
	L0003172	VOLUME	402585.916	3753465.346	36.26
	L0003173	VOLUME	402594.490	3753464.824	36.11
	L0003174	VOLUME	402603.067	3753464.428	35.93
	L0003175	VOLUME	402611.657	3753464.533	35.80
	L0003176	VOLUME	402620.246	3753464.639	35.65
	L0003177	VOLUME	402628.835	3753464.744	35.47
	L0003178	VOLUME	402637.425	3753464.849	35.29
LOCATION	L0003179	VOLUME	402646.014	3753464.955	35.11
	L0003180	VOLUME	402654.603	3753465.060	34.94
	L0003181	VOLUME	402663.193	3753465.166	34.76
	L0003182	VOLUME	402671.782	3753465.271	34.59
	L0003183	VOLUME	402680.372	3753465.349	34.41
	L0003184	VOLUME	402688.962	3753465.426	34.24
	L0003185	VOLUME	402697.551	3753465.502	34.04
	L0003186	VOLUME	402706.141	3753465.578	33.78
	L0003187	VOLUME	402714.730	3753465.655	33.52
	L0003187	VOLUME	402723.320	3753465.731	33.29
	L0003189	VOLUME	402731.910	3753465.807	33.12
	L0003190	VOLUME	402740.499	3753465.884	32.96
	L0003190	VOLUME	402749.089	3753465.960	32.80
	L0003191	VOLUME	402757.679	3753466.036	32.63
	L0003192	VOLUME	402766.268	3753466.113	32.46
	L0003193	VOLUME		3753466.189	32.31
LOCALION	поостоя	A OTIOITE	102//1.030	2,33400.103	JZ.JI

LOCATION	L0003195	VOLUME	402783.448	3753466.265	32.17
LOCATION	L0003196	VOLUME	402792.037	3753466.342	32.04
LOCATION	L0003197	VOLUME	402800.627	3753466.418	31.90
LOCATION	L0003198	VOLUME	402809.217	3753466.495	31.75
LOCATION	L0003199	VOLUME	402817.806	3753466.571	31.59
LOCATION	L0003200	VOLUME	402826.396	3753466.647	31.45
LOCATION	L0003201	VOLUME	402834.986	3753466.724	31.31
LOCATION	L0003202	VOLUME	402843.575	3753466.800	31.17
LOCATION	L0003203	VOLUME	402852.165	3753466.876	31.07
LOCATION	L0003204	VOLUME	402860.755	3753466.953	31.03
LOCATION	L0003205	VOLUME	402869.344	3753467.029	30.99
LOCATION	L0003206	VOLUME	402877.934	3753467.105	30.97
LOCATION	L0003207	VOLUME	402886.524	3753467.182	30.96
LOCATION	L0003208	VOLUME	402895.113	3753467.258	30.95
LOCATION	L0003209	VOLUME	402903.703	3753467.334	30.94
LOCATION	L0003210	VOLUME	402912.293	3753467.411	30.93
	L0003211	VOLUME	402920.882	3753467.487	30.92
	L0003212	VOLUME	402929.472	3753467.563	30.91
	L0003213	VOLUME	402938.062	3753467.640	30.90
	L0003214	VOLUME	402946.651	3753467.716	30.89
	L0003215	VOLUME	402955.241	3753467.793	30.83
LOCATION	L0003216	VOLUME	402963.831	3753467.869	30.70
	L0003217	VOLUME	402972.420	3753467.945	30.58
	L0003218	VOLUME	402981.010	3753468.022	30.50
	L0003219	VOLUME	402989.600	3753468.098	30.49
	L0003220	VOLUME	402998.189	3753468.174	30.47
	L0003221	VOLUME	403006.779	3753468.251	30.47
	L0003222	VOLUME	403015.369	3753468.327	30.46
	L0003223	VOLUME	403023.958	3753468.403	30.46
	L0003224	VOLUME	403032.548	3753468.480	30.46
	L0003225	VOLUME	403041.138	3753468.556	30.46
	L0003226	VOLUME	403049.727	3753468.632	30.46
	L0003227	VOLUME	403058.317	3753468.709	30.45
	L0003228	VOLUME	403066.907	3753468.785	30.43
	L0003229	VOLUME	403075.496	3753468.861	30.42
	L0003230	VOLUME	403084.086	3753468.938	30.41
	L0003231	VOLUME	403092.676	3753469.014	30.41
	L0003232	VOLUME	403101.265	3753469.091	30.41
	L0003233	VOLUME	403109.855	3753469.167	30.41
	L0003234	VOLUME	403118.445	3753469.243	30.41
	L0003231	VOLUME	403127.034	3753469.320	30.41
	L0003236	VOLUME	403135.624	3753469.396	30.41
	L0003237	VOLUME	403144.214	3753469.472	30.40
	L0003237	VOLUME	403152.803	3753469.549	30.40
	L0003230	VOLUME	403161.393	3753469.625	30.42
	L0003239	VOLUME	403169.983	3753469.701	30.46
	L0003240	VOLUME	403178.572	3753469.778	30.50
	L0003241	VOLUME	403178.372	3753469.778	30.49
	L0003242 L0003243	VOLUME	403195.751	3753469.834	30.49
	L0003243	VOLUME	403204.341	3753470.007	30.43
	L0003244 L0003245	VOLUME	403212.931	3753470.007	30.38
LOCALION	ш0003243	AOTOME	403414.931	3/334/0.083	30.34

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LOCATION L0003246
                       VOLUME 403221.520 3753470.159 30.34
                       VOLUME 403230.110 3753470.236 30.33
  LOCATION L0003247
  LOCATION L0003248
                       VOLUME 403238.700 3753470.312 30.35
  LOCATION L0003249
                       VOLUME 403247.289 3753470.389 30.40
  LOCATION L0003250
                       VOLUME 403255.879 3753470.465 30.46
** End of LINE VOLUME Source ID = SLINE4
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC East and West along Florence Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.52E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 25
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** 401462.626, 3755482.255, 42.98, 3.49, 4.00
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** 401797.053, 3755483.615, 46.63, 3.49, 4.00
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** 402367.362, 3755468.949, 47.96, 3.49, 4.00
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** 402545.792, 3755479.716, 48.92, 3.49, 4.00
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  LOCATION L0003251
                       VOLUME 400847.008 3755482.255 41.80
  LOCATION L0003252
                       VOLUME 400855.598 3755482.255 41.69
                       VOLUME
  LOCATION L0003253
                                400864.188 3755482.255 41.58
  LOCATION L0003254
                       VOLUME
                                400872.778 3755482.255 41.65
  LOCATION L0003255
                       VOLUME
                                400881.368 3755482.255 41.79
  LOCATION L0003256
                        VOLUME
                               400889.958 3755482.255 41.93
  LOCATION L0003257
                       VOLUME 400898.548 3755482.255 41.99
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LOCATION	L0003258	VOLUME	400907.138	3755482.255	42.02
LOCATION	L0003259	VOLUME	400915.728	3755482.255	42.05
LOCATION	L0003260	VOLUME	400924.318	3755482.255	42.06
LOCATION	L0003261	VOLUME	400932.908	3755482.255	42.05
LOCATION	L0003262	VOLUME	400941.498	3755482.255	42.05
LOCATION	L0003263	VOLUME	400950.088	3755482.255	42.18
LOCATION	L0003264	VOLUME	400958.678	3755482.255	42.35
LOCATION	L0003265	VOLUME	400967.268	3755482.255	42.52
LOCATION	L0003266	VOLUME	400975.858	3755482.255	42.58
LOCATION	L0003267	VOLUME	400984.448	3755482.255	42.61
LOCATION	L0003268	VOLUME	400993.038	3755482.255	42.63
LOCATION	L0003269	VOLUME	401001.628	3755482.255	42.66
LOCATION	L0003270	VOLUME	401010.218	3755482.255	42.69
LOCATION	L0003271	VOLUME	401018.808	3755482.255	42.72
LOCATION	L0003272	VOLUME	401027.398	3755482.255	42.72
LOCATION	L0003273	VOLUME	401035.988	3755482.255	42.71
LOCATION	L0003274	VOLUME	401044.578	3755482.255	42.70
LOCATION	L0003275	VOLUME	401053.168	3755482.255	42.70
	L0003276	VOLUME	401061.758	3755482.255	42.70
LOCATION	L0003277	VOLUME	401070.348	3755482.255	42.71
LOCATION	L0003278	VOLUME	401078.938	3755482.255	42.74
LOCATION	L0003279	VOLUME	401087.528	3755482.255	42.79
LOCATION	L0003280	VOLUME	401096.118	3755482.255	42.83
LOCATION	L0003281	VOLUME	401104.708	3755482.255	42.91
	L0003282	VOLUME	401113.298	3755482.255	43.01
LOCATION	L0003283	VOLUME	401121.888	3755482.255	43.10
	L0003284	VOLUME	401130.478	3755482.255	43.07
	L0003285	VOLUME	401139.068	3755482.255	43.02
	L0003286	VOLUME	401147.658	3755482.255	42.97
LOCATION	L0003287	VOLUME	401156.248	3755482.255	42.94
	L0003288	VOLUME	401164.838	3755482.255	42.92
LOCATION	L0003289	VOLUME	401173.428	3755482.255	42.90
	L0003290	VOLUME	401182.018	3755482.255	42.92
	L0003291	VOLUME	401190.608	3755482.255	42.95
LOCATION	L0003292	VOLUME	401199.198	3755482.255	42.97
LOCATION	L0003293	VOLUME	401207.788	3755482.255	43.01
LOCATION	L0003294	VOLUME	401216.378	3755482.255	43.04
LOCATION	L0003295	VOLUME	401224.968	3755482.255	43.07
LOCATION	L0003296	VOLUME	401233.558	3755482.255	43.04
LOCATION	L0003297	VOLUME	401242.148	3755482.255	43.00
LOCATION	L0003298	VOLUME	401250.738	3755482.255	42.95
LOCATION	L0003299	VOLUME	401259.328	3755482.255	42.99
LOCATION	L0003300	VOLUME	401267.918	3755482.255	43.04
	L0003301	VOLUME	401276.508	3755482.255	43.09
	L0003302	VOLUME	401285.098	3755482.255	43.14
	L0003303	VOLUME	401293.688	3755482.255	43.19
	L0003304	VOLUME	401302.278	3755482.255	43.24
	L0003305	VOLUME	401310.868	3755482.255	43.29
	L0003306	VOLUME	401319.458	3755482.255	43.33
	L0003307	VOLUME	401328.048	3755482.255	43.37
	L0003308	VOLUME		3755482.255	
_001111011		. 320.12		55 162 . 255	-3.27

LOCATION	L0003309	VOLUME	401345.228	3755482.255	43.15
LOCATION	L0003310	VOLUME	401353.818	3755482.255	43.04
LOCATION	L0003311	VOLUME	401362.408	3755482.255	43.01
LOCATION	L0003312	VOLUME	401370.998	3755482.255	42.98
LOCATION	L0003313	VOLUME	401379.588	3755482.255	42.95
LOCATION	L0003314	VOLUME	401388.178	3755482.255	42.92
LOCATION	L0003315	VOLUME	401396.768	3755482.255	42.88
LOCATION	L0003316	VOLUME	401405.358	3755482.255	42.85
LOCATION	L0003317	VOLUME	401413.948	3755482.255	42.84
LOCATION	L0003318	VOLUME	401422.538	3755482.255	42.84
LOCATION	L0003319	VOLUME	401431.128	3755482.255	42.83
LOCATION	L0003320	VOLUME	401439.718	3755482.255	42.90
LOCATION	L0003321	VOLUME	401448.308	3755482.255	42.97
LOCATION	L0003322	VOLUME	401456.898	3755482.255	43.04
LOCATION	L0003323	VOLUME	401465.466	3755482.610	42.93
LOCATION	L0003324	VOLUME	401473.989	3755483.676	42.82
LOCATION	L0003325	VOLUME	401482.513	3755484.741	42.72
LOCATION	L0003326	VOLUME	401491.037	3755485.807	42.79
	L0003327	VOLUME	401499.560	3755486.872	42.86
LOCATION	L0003328	VOLUME	401508.084	3755487.938	42.93
LOCATION	L0003329	VOLUME	401516.608	3755489.003	42.98
LOCATION	L0003330	VOLUME	401525.192	3755489.265	43.02
LOCATION	L0003331	VOLUME	401533.779	3755489.488	43.06
LOCATION	L0003332	VOLUME	401542.366	3755489.711	43.15
	L0003333	VOLUME	401550.953	3755489.935	43.25
LOCATION	L0003334	VOLUME	401559.540	3755490.158	43.35
	L0003335	VOLUME	401568.127	3755490.381	43.50
	L0003336	VOLUME	401576.714	3755490.604	43.66
	L0003337	VOLUME	401585.301	3755490.827	43.81
LOCATION	L0003338	VOLUME	401593.889	3755491.050	43.93
	L0003339	VOLUME	401602.476	3755491.273	44.04
LOCATION	L0003340	VOLUME	401611.063	3755491.496	44.16
	L0003341	VOLUME	401619.650	3755491.719	44.19
	L0003342	VOLUME	401628.232	3755491.467	44.21
LOCATION	L0003343	VOLUME	401636.813	3755491.068	44.24
LOCATION	L0003344	VOLUME	401645.393	3755490.669	44.23
LOCATION	L0003345	VOLUME	401653.974	3755490.270	44.23
LOCATION	L0003346	VOLUME	401662.555	3755489.871	44.22
LOCATION	L0003347	VOLUME	401671.136	3755489.472	44.39
LOCATION	L0003348	VOLUME	401679.716	3755489.072	44.56
LOCATION	L0003349	VOLUME	401688.297	3755488.673	44.74
LOCATION	L0003350	VOLUME	401696.878	3755488.274	44.95
LOCATION	L0003351	VOLUME	401705.459	3755487.875	45.17
	L0003352	VOLUME	401714.039	3755487.476	45.40
	L0003353	VOLUME	401722.620	3755487.077	45.44
	L0003354	VOLUME	401731.201	3755486.678	45.48
	L0003355	VOLUME	401739.781	3755486.279	45.53
	L0003356	VOLUME	401748.362	3755485.880	45.53
	L0003357	VOLUME	401756.943	3755485.480	45.53
	L0003358	VOLUME	401765.524	3755485.081	45.53
	L0003359	VOLUME		3755484.682	
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LOCATION	L0003363	VOLUME	401808.434	3755483.273	45.44
LOCATION	L0003364	VOLUME	401817.021	3755483.016	45.39
LOCATION	L0003365	VOLUME	401825.607	3755482.758	45.28
LOCATION	L0003366	VOLUME	401834.193	3755482.501	45.17
LOCATION	L0003367	VOLUME	401842.779	3755482.243	45.06
LOCATION	L0003368	VOLUME	401851.365	3755481.986	44.97
LOCATION	L0003369	VOLUME	401859.951	3755481.728	44.87
LOCATION	L0003370	VOLUME	401868.537	3755481.470	44.78
LOCATION	L0003371	VOLUME	401877.124	3755481.213	44.72
LOCATION	L0003372	VOLUME	401885.710	3755480.955	44.66
LOCATION	L0003373	VOLUME	401894.296	3755480.698	44.60
LOCATION	L0003374	VOLUME	401902.882	3755480.440	44.62
LOCATION	L0003375	VOLUME	401911.468	3755480.182	44.64
LOCATION	L0003376	VOLUME	401920.054	3755479.925	44.65
LOCATION	L0003377	VOLUME	401928.640	3755479.667	44.51
LOCATION	L0003378	VOLUME	401937.228	3755479.451	44.36
LOCATION	L0003379	VOLUME	401945.816	3755479.277	44.21
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LOCATION	L0003382	VOLUME	401971.580	3755478.754	44.06
LOCATION	L0003383	VOLUME	401980.169	3755478.580	44.13
LOCATION	L0003384	VOLUME	401988.757	3755478.406	44.21
LOCATION	L0003385	VOLUME	401997.345	3755478.232	44.29
LOCATION	L0003386	VOLUME	402005.933	3755478.058	44.49
LOCATION	L0003387	VOLUME	402014.522	3755477.884	44.69
LOCATION	L0003388	VOLUME	402023.110	3755477.710	44.87
LOCATION	L0003389	VOLUME	402031.698	3755477.536	44.99
LOCATION	L0003390	VOLUME	402040.286	3755477.362	45.11
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LOCATION	L0003393	VOLUME	402066.051	3755476.840	45.25
LOCATION	L0003394	VOLUME	402074.639	3755476.665	45.29
LOCATION	L0003395	VOLUME	402083.228	3755476.491	45.43
LOCATION	L0003396	VOLUME	402091.816	3755476.317	45.56
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LOCATION	L0003399	VOLUME	402117.580	3755475.795	45.88
LOCATION	L0003400	VOLUME	402126.169	3755475.621	45.98
LOCATION	L0003401	VOLUME	402134.757	3755475.440	46.18
LOCATION	L0003402	VOLUME	402143.342	3755475.155	46.37
	L0003403	VOLUME	402151.927	3755474.871	46.55
LOCATION	L0003404	VOLUME	402160.513	3755474.586	46.65
	L0003405	VOLUME	402169.098	3755474.302	46.75
LOCATION		VOLUME	402177.683	3755474.017	46.87
	L0003407	VOLUME	402186.268	3755473.733	47.01
	L0003408	VOLUME	402194.854	3755473.448	47.15
	L0003409	VOLUME	402203.439	3755473.163	47.28
LOCATION	L0003410	VOLUME	402212.024	3755472.879	47.38

LOCATION	L0003411	VOLUME	402220.610	3755472.594	47.48
LOCATION	L0003412	VOLUME	402229.195	3755472.310	47.57
LOCATION	L0003413	VOLUME	402237.780	3755472.025	47.60
LOCATION	L0003414	VOLUME	402246.365	3755471.741	47.63
LOCATION	L0003415	VOLUME	402254.951	3755471.456	47.65
LOCATION	L0003416	VOLUME	402263.536	3755471.172	47.66
LOCATION	L0003417	VOLUME	402272.121	3755470.887	47.67
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LOCATION	L0003419	VOLUME	402289.292	3755470.318	47.68
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LOCATION	L0003421	VOLUME	402306.465	3755469.871	47.72
LOCATION	L0003422	VOLUME	402315.054	3755469.741	47.76
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LOCATION	L0003428	VOLUME	402366.589	3755468.960	47.96
LOCATION	L0003429	VOLUME	402375.178	3755468.846	47.98
LOCATION	L0003430	VOLUME	402383.767	3755468.733	48.02
LOCATION	L0003431	VOLUME	402392.356	3755468.620	48.06
LOCATION	L0003432	VOLUME	402400.946	3755468.507	48.11
LOCATION	L0003433	VOLUME	402409.535	3755468.394	48.16
LOCATION	L0003434	VOLUME	402418.124	3755468.281	48.22
LOCATION	L0003435	VOLUME	402426.713	3755468.168	48.29
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LOCATION	L0003439	VOLUME	402461.070	3755467.669	48.51
LOCATION	L0003440	VOLUME	402469.659	3755467.530	48.51
LOCATION	L0003441	VOLUME	402478.230	3755467.610	48.52
LOCATION	L0003442	VOLUME	402486.692	3755469.088	48.54
LOCATION	L0003443	VOLUME	402495.154	3755470.565	48.60
LOCATION	L0003444	VOLUME	402503.616	3755472.043	48.68
LOCATION	L0003445	VOLUME	402512.074	3755473.542	48.77
LOCATION	L0003446	VOLUME	402520.524	3755475.089	48.83
LOCATION	L0003447	VOLUME	402528.973	3755476.636	48.88
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LOCATION	L0003449	VOLUME	402545.871	3755479.735	48.96
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LOCATION	L0003451	VOLUME	402562.570	3755483.772	48.92
LOCATION	L0003452	VOLUME	402570.920	3755485.791	48.90
LOCATION	L0003453	VOLUME	402579.269	3755487.809	48.90
	L0003454	VOLUME	402587.619	3755489.828	48.91
LOCATION	L0003455	VOLUME	402595.991	3755491.746	48.93
LOCATION	L0003456	VOLUME	402604.394	3755493.526	48.93
LOCATION	L0003457	VOLUME	402612.798	3755495.307	48.92
	L0003458	VOLUME	402621.201	3755497.087	48.93
	L0003459	VOLUME	402629.605	3755498.868	48.93
	L0003460	VOLUME	402638.008	3755500.648	48.94
LOCATION	L0003461	VOLUME	402646.412	3755502.428	49.04

LOCATION	L0003462	VOLUME	402654.848	3755503.991	49.14
LOCATION	L0003463	VOLUME	402663.401	3755504.786	49.22
LOCATION	L0003464	VOLUME	402671.955	3755505.582	49.33
LOCATION	L0003465	VOLUME	402680.508	3755506.377	49.43
LOCATION	L0003466	VOLUME	402689.061	3755507.173	49.51
LOCATION	L0003467	VOLUME	402697.614	3755507.969	49.50
LOCATION	L0003468	VOLUME	402706.167	3755508.764	49.48
LOCATION	L0003469	VOLUME	402714.720	3755509.560	49.47
LOCATION	L0003470	VOLUME	402723.291	3755510.015	49.49
LOCATION	L0003471	VOLUME	402731.880	3755510.114	49.53
LOCATION	L0003472	VOLUME	402740.470	3755510.213	49.56
LOCATION	L0003473	VOLUME	402749.059	3755510.311	49.61
LOCATION	L0003474	VOLUME	402757.648	3755510.410	49.67
LOCATION	L0003475	VOLUME	402766.238	3755510.480	49.73
LOCATION	L0003476	VOLUME	402774.828	3755510.480	49.79
LOCATION	L0003477	VOLUME	402783.418	3755510.480	49.86
LOCATION	L0003478	VOLUME	402792.008	3755510.480	49.93
LOCATION	L0003479	VOLUME	402800.598	3755510.480	49.98
LOCATION	L0003480	VOLUME	402809.188	3755510.480	50.04
LOCATION	L0003481	VOLUME	402817.778	3755510.480	50.09
LOCATION	L0003482	VOLUME	402826.368	3755510.480	50.09
LOCATION	L0003483	VOLUME	402834.958	3755510.480	50.10
LOCATION	L0003484	VOLUME	402843.546	3755510.614	50.10
LOCATION	L0003485	VOLUME	402852.134	3755510.823	50.21
LOCATION	L0003486	VOLUME	402860.721	3755511.033	50.33
LOCATION	L0003487	VOLUME	402869.309	3755511.242	50.44
LOCATION	L0003488	VOLUME	402877.896	3755511.452	50.46
LOCATION	L0003489	VOLUME	402886.484	3755511.661	50.47
LOCATION	L0003490	VOLUME	402895.071	3755511.870	50.49
LOCATION	L0003491	VOLUME	402903.658	3755512.108	50.50
LOCATION	L0003492	VOLUME	402912.242	3755512.411	50.51
LOCATION	L0003493	VOLUME	402920.827	3755512.714	50.53
LOCATION	L0003494	VOLUME	402929.412	3755513.017	50.55
LOCATION	L0003495	VOLUME	402937.996	3755513.320	50.57
LOCATION	L0003496	VOLUME	402946.578	3755513.676	50.59
LOCATION	L0003497	VOLUME	402955.151	3755514.223	50.61
LOCATION	L0003498	VOLUME	402963.723	3755514.771	50.64
LOCATION	L0003499	VOLUME	402972.296	3755515.318	50.65
LOCATION	L0003500	VOLUME	402980.869	3755515.865	50.68
LOCATION	L0003501	VOLUME	402989.441	3755516.412	50.70
LOCATION	L0003502	VOLUME	402997.959	3755517.445	50.71
LOCATION	L0003503	VOLUME	403006.441	3755518.804	50.72
LOCATION	L0003504	VOLUME	403014.923	3755520.164	50.74
LOCATION	L0003505	VOLUME	403023.405	3755521.524	50.76
	L0003506	VOLUME	403031.886	3755522.883	50.78
	L0003507	VOLUME	403040.368	3755524.243	50.79
	L0003508	VOLUME	403048.850	3755525.603	50.80
	L0003509	VOLUME	403057.331	3755526.962	50.79
	L0003510	VOLUME	403065.737	3755528.710	50.77
	L0003511	VOLUME	403074.107	3755530.642	50.74
	L0003512	VOLUME	403082.477	3755532.573	50.81

	LOCATION L0003513			3755534.50		
	LOCATION L0003514			3755536.43		
	LOCATION L0003515	VOLUME 4031	L07.576	3755538.43	12 51.13	
	LOCATION L0003516			3755540.7		
	LOCATION L0003517	VOLUME 4033	L24.095	3755543.13	32 51.27	
	LOCATION L0003518	VOLUME 4031	L32.354	3755545.49	92 51.31	
	LOCATION L0003519	VOLUME 4033	L40.614	3755547.8	52 51.38	
	LOCATION L0003520	VOLUME 4033	L48.873	3755550.23	12 51.45	
	LOCATION L0003521	VOLUME 4033	L57.133	3755552.5	71 51.49	
	LOCATION L0003522	VOLUME 4033	L65.392	3755554.93	31 51.48	
	LOCATION L0003523	VOLUME 4033	L73.683	3755557.1	78 51.43	
	LOCATION L0003524	VOLUME 4031	L81.986	3755559.38	31 51.36	
	LOCATION L0003525	VOLUME 4031	L90.289	3755561.58	33 51.30	
	LOCATION L0003526	VOLUME 4031	L98.591	3755563.78	36 51.26	
	LOCATION L0003527	VOLUME 4032	206.894	3755565.98	39 51.25	
	LOCATION L0003528	VOLUME 4032	215.197	3755568.19	91 51.21	
	LOCATION L0003529	VOLUME 4032	223.500	3755570.39	94 51.10	
	LOCATION L0003530	VOLUME 4032	231.803	3755572.59	96 50.90	
	LOCATION L0003531	VOLUME 4032	240.105	3755574.79	99 50.66	
	LOCATION L0003532	VOLUME 4032	248.408	3755577.00	01 50.44	
	LOCATION L0003533	VOLUME 4032	256.711	3755579.20	04 50.23	
	LOCATION L0003534	VOLUME 4032	265.014	3755581.40	06 50.11	
	LOCATION L0003535			3755583.60		
	LOCATION L0003536	VOLUME 4032	281.620	3755585.83	l1 49.91	
* *	End of LINE VOLUME	Source ID = SLI	VE5			
* *	Source Parameters	**				
	SRCPARAM STCK1	4.85E-06	3.500	366.000	51.8160	0.100
	SRCPARAM STCK2	4.85E-06	3.500	366.000	51.8160	0 0.100
	SRCPARAM STCK2 SRCPARAM STCK3	4.85E-06 4.85E-06	3.500 3.500			
	SRCPARAM STCK3	4.85E-06	3.500	366.000	51.8160	0.100
	SRCPARAM STCK3 SRCPARAM STCK4	4.85E-06 4.85E-06	3.500 3.500	366.000 366.000	51.8160 51.8160	0 0.100 0 0.100
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5	4.85E-06 4.85E-06 4.85E-06	3.500	366.000 366.000	51.8160 51.8160	0 0.100 0 0.100
**	SRCPARAM STCK3 SRCPARAM STCK4	4.85E-06 4.85E-06 4.85E-06	3.500 3.500 3.500	366.000 366.000 366.000	51.8160 51.8160	0 0.100 0 0.100
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837	3.500 3.500 3.500	366.000 366.000 366.000	51.8160 51.8160 51.8160	0 0.100 0 0.100 0 0.100
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837	3.500 3.500 3.500	366.000 366.000 366.000 3.50	51.8160 51.8160 51.8160	0 0.100 0 0.100 0 0.100
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002554	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837	3.500 3.500 3.500	366.000 366.000 366.000 3.50 3.50	51.8160 51.8160 51.8160 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002555	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837 0.0000000837	3.500 3.500 3.500	366.000 366.000 366.000 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002555 SRCPARAM L0002556	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837 0.0000000837 0.0000000837	3.500 3.500 3.500	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002555 SRCPARAM L0002555 SRCPARAM L0002556 SRCPARAM L0002557	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME Source SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002555 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002558	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77 77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7.77 7.77 7.77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7.77 7.77 7.77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0.100 0.100 0.100 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7.77 7.77 7.77 7.77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0.100 0.100 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002555 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002559 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77 77 77 77 77	366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0.100 0.100 0.100 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002560 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002564	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7.77 7.77 7.77 7.77 7.77	366.000 366.000 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0.100 0.100 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002563 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002564	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77 77 77 77 77 77	366.000 366.000 3.50	51.8160 51.8160 51.8160 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002558 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002561 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7,777 7,777 7,777	366.000 366.000 3.50	51.8160 51.8160 51.8160 4.0	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002561 SRCPARAM L0002563 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002566 SRCPARAM L0002566	4.85E-06 4.85E-06 4.85E-06 ID = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 7 7 7 7 7 7 7 7 7 7 7 7	366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.0	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002554 SRCPARAM L0002556 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002559 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002564 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002566 SRCPARAM L0002567 SRCPARAM L0002567 SRCPARAM L0002567	4.85E-06 4.85E-06 4.85E-06 1D = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77 77 77 77 77 77 77 77	366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.0	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81
**	SRCPARAM STCK3 SRCPARAM STCK4 SRCPARAM STCK5 LINE VOLUME SOURCE SRCPARAM L0002553 SRCPARAM L0002555 SRCPARAM L0002555 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002557 SRCPARAM L0002559 SRCPARAM L0002560 SRCPARAM L0002561 SRCPARAM L0002561 SRCPARAM L0002562 SRCPARAM L0002563 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002565 SRCPARAM L0002566 SRCPARAM L0002567 SRCPARAM L0002567 SRCPARAM L0002568 SRCPARAM L0002568	4.85E-06 4.85E-06 4.85E-06 1D = SLINE1 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837' 0.0000000837'	3.500 3.500 3.500 77 77 77 77 77 77 77 77 77	366.000 366.000 366.000 3.50 3.50 3.50 3.50 3.50 3.50 3.50	51.8160 51.8160 51.8160 4.0	0 0.100 0 0.100 0 0.100 5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81

SRCPARAM	L0002572	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002573	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002574	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002575	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002576	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002577	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002578	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002579	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002580	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002581	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002582	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002583	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002584	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002585	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002586	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002587	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002588	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002589	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002590	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002591	0.00000008377	3.50	4.00	5.81
SRCPARAM	L0002592	0.00000008377	3.50	4.00	5.81
	L0002593	0.00000008377	3.50	4.00	5.81
	L0002594	0.00000008377	3.50	4.00	5.81
	L0002595	0.00000008377	3.50	4.00	5.81
	L0002596	0.00000008377	3.50	4.00	5.81
	L0002597	0.00000008377	3.50	4.00	5.81
	L0002598	0.00000008377	3.50	4.00	5.81
	L0002599	0.00000008377	3.50	4.00	5.81
	L0002600	0.00000008377	3.50	4.00	5.81
	L0002601	0.00000008377	3.50	4.00	5.81
	L0002602	0.00000008377	3.50	4.00	5.81
	L0002603	0.00000008377	3.50	4.00	5.81
	L0002604	0.00000008377	3.50	4.00	5.81
	L0002605	0.00000008377	3.50	4.00	5.81
	L0002606	0.00000008377	3.50	4.00	5.81
	L0002607	0.00000008377 0.00000008377	3.50	4.00	5.81
	L0002608 L0002609	0.00000008377	3.50 3.50	4.00	5.81 5.81
	L0002609	0.00000008377	3.50	4.00	5.81
	L0002610	0.00000008377	3.50	4.00	5.81
	L0002611	0.00000008377	3.50	4.00	5.81
	L0002612	0.00000008377	3.50	4.00	5.81
	L0002613	0.00000008377	3.50	4.00	5.81
	L0002614	0.00000008377	3.50	4.00	5.81
	L0002615	0.00000008377	3.50	4.00	5.81
	L0002617	0.00000008377	3.50	4.00	5.81
	L0002617	0.00000008377	3.50	4.00	5.81
	L0002619	0.000000008377	3.50	4.00	5.81
	L0002619	0.000000008377	3.50	4.00	5.81
	L0002621	0.000000008377	3.50	4.00	5.81
				1.00	J.0±

**	LINE VOLU	JME Source	ID = SLINE2			
	SRCPARAM		0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002692	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002693	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002694	0.0000001769	3.49	4.00	1.62
		L0002695	0.0000001769	3.49	4.00	1.62
		L0002696	0.0000001769	3.49	4.00	1.62
		L0002697	0.0000001769	3.49	4.00	1.62
		L0002698	0.0000001769	3.49	4.00	1.62
		L0002699	0.0000001769	3.49	4.00	1.62
		L0002700	0.0000001769	3.49	4.00	1.62
		L0002701	0.0000001769	3.49	4.00	1.62
		L0002702	0.0000001769	3.49	4.00	1.62
		L0002703	0.0000001769	3.49	4.00	1.62
		L0002704	0.0000001769	3.49	4.00	1.62
	SRCPARAM		0.0000001769	3.49	4.00	1.62
	SRCPARAM		0.0000001769	3.49	4.00	1.62
		L0002707	0.0000001769	3.49	4.00	1.62
		L0002708	0.0000001769	3.49	4.00	1.62
		L0002709	0.0000001769	3.49	4.00	1.62
		L0002710	0.0000001769	3.49	4.00	1.62
		L0002711	0.0000001769	3.49	4.00	1.62
		L0002712	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002713	0.0000001769	3.49	4.00	1.62
		L0002714	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002715	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002716	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002717	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002718	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002719	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002720	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002721	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002722	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002723	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002724	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002725	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002726	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002727	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002728	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002729	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002730	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002731	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002732	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002733	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002734	0.0000001769	3.49	4.00	1.62
		L0002735	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002736	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002737	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002738	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002739	0.0000001769	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0002740	0.0000001769	3.49	4.00	1.62

CD CD A D A M	L0002741	0.0000001769	3.49	4.00	1.62
	L0002742	0.00000001769	3.49	4.00	1.62
	L0002743	0.00000001769	3.49	4.00	1.62
	L0002744	0.00000001769	3.49	4.00	1.62
	L0002745	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002746	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002747	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002748	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002749	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002750	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002751	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002752	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002753	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002754	0.0000001769	3.49	4.00	1.62
	L0002755	0.0000001769	3.49	4.00	1.62
	L0002756	0.0000001769	3.49	4.00	1.62
	L0002757	0.00000001769	3.49	4.00	1.62
	L0002758	0.00000001769	3.49	4.00	1.62
	L0002759	0.00000001769	3.49	4.00	1.62
	L0002750	0.00000001769	3.49	4.00	1.62
	L0002761	0.00000001769	3.49	4.00	1.62
			3.49		
	L0002762	0.00000001769		4.00	1.62
	L0002763	0.00000001769	3.49	4.00	1.62
	L0002764	0.00000001769	3.49	4.00	1.62
	L0002765	0.00000001769	3.49	4.00	1.62
	L0002766	0.00000001769	3.49	4.00	1.62
	L0002767	0.00000001769	3.49	4.00	1.62
	L0002768	0.0000001769	3.49	4.00	1.62
	L0002769	0.0000001769	3.49	4.00	1.62
	L0002770	0.0000001769	3.49	4.00	1.62
	L0002771	0.0000001769	3.49	4.00	1.62
	L0002772	0.0000001769	3.49	4.00	1.62
	L0002773	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002774	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002775	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002776	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002777	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002778	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002779	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002780	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002781	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002782	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002783	0.0000001769	3.49	4.00	1.62
SRCPARAM	L0002784	0.0000001769	3.49	4.00	1.62
	L0002785	0.0000001769	3.49	4.00	1.62
	L0002786	0.0000001769	3.49	4.00	1.62
	L0002787	0.00000001769	3.49	4.00	1.62
	L0002788	0.00000001769	3.49	4.00	1.62
	L0002789	0.00000001769	3.49	4.00	1.62
	L0002709	0.00000001769	3.49	4.00	1.62
	L0002791	0.00000001769	3.49	4.00	1.62
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	SRCPARAM	L0002792	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002793	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002794	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002795	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002796	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002797	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002798	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002799	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002800	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002801	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002802	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002803	0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002804	0.0000001769	3.49	4.00	1.62
	SRCPARAM		0.0000001769	3.49	4.00	1.62
	SRCPARAM	L0002806	0.0000001769	3.49	4.00	1.62
		L0002807	0.0000001769	3.49	4.00	1.62
	SRCPARAM		0.0000001769	3.49	4.00	1.62
		L0002809	0.0000001769	3.49	4.00	1.62
		L0002810	0.0000001769	3.49	4.00	1.62
		L0002811	0.0000001769	3.49	4.00	1.62
* *						
**	LINE VOLU	JME Source ID	= SLINE3			
	SRCPARAM		0.0000001766	3.49	4.00	1.62
		L0002813	0.0000001766	3.49	4.00	1.62
		L0002814	0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
		L0002838	0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
	DRCPARAM	H0002040	0.0000001766	J. #7	T.00	1.02

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	L0002841	0.00000001766	3.49	4.00	1.62
	L0002842	0.00000001766	3.49	4.00	1.62
	L0002843	0.0000001766	3.49	4.00	1.62
	L0002844	0.0000001766	3.49	4.00	1.62
	L0002845	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002846	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002847	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002848	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002849	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002850	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002851	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002852	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002853	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002854	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002855	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002856	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002857	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002858	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002859	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002860	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002861	0.0000001766	3.49	4.00	1.62
	L0002862	0.0000001766	3.49	4.00	1.62
	L0002863	0.0000001766	3.49	4.00	1.62
	L0002864	0.0000001766	3.49	4.00	1.62
	L0002865	0.00000001766	3.49	4.00	1.62
	L0002866	0.00000001766	3.49	4.00	1.62
	L0002867	0.00000001766	3.49	4.00	1.62
	L0002868	0.00000001766	3.49	4.00	1.62
	L0002869	0.00000001766	3.49	4.00	1.62
	L0002870	0.00000001766	3.49	4.00	1.62
	L0002871	0.00000001766	3.49	4.00	1.62
	L0002872	0.00000001766	3.49	4.00	1.62
	L0002873	0.00000001766	3.49	4.00	1.62
	L0002874	0.00000001766	3.49	4.00	1.62
	L0002875	0.00000001766	3.49	4.00	1.62
	L0002876	0.00000001766	3.49	4.00	1.62
	L0002877	0.00000001766	3.49	4.00	1.62
	L0002877	0.00000001766	3.49	4.00	1.62
	L0002878	0.00000001766	3.49	4.00	1.62
	L0002879	0.00000001766	3.49	4.00	1.62
	L0002881	0.00000001766	3.49	4.00	1.62
	L0002881	0.00000001766	3.49	4.00	1.62
	L0002883	0.00000001766	3.49	4.00	1.62
	L0002884	0.00000001766	3.49	4.00	1.62
	L0002885	0.00000001766	3.49	4.00	1.62
	L0002886	0.00000001766	3.49	4.00	1.62
	L0002887	0.00000001766	3.49	4.00	1.62
	L0002888	0.00000001766	3.49	4.00	1.62
	L0002889	0.00000001766	3.49	4.00	1.62
	L0002890	0.00000001766	3.49	4.00	1.62
SRCPARAM	L0002891	0.0000001766	3.49	4.00	1.62

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	L0002892	0.00000001766	3.49	4.00	1.62
	L0002893	0.00000001766	3.49	4.00	1.62
	L0002894	0.0000001766	3.49	4.00	1.62
	L0002895	0.0000001766	3.49	4.00	1.62
	L0002896	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002897	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002898	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002899	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002900	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002901	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002902	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002903	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002904	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002905	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002906	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002907	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002908	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002909	0.0000001766	3.49	4.00	1.62
	L0002910	0.0000001766	3.49	4.00	1.62
	L0002911	0.0000001766	3.49	4.00	1.62
	L0002912	0.0000001766	3.49	4.00	1.62
	L0002913	0.0000001766	3.49	4.00	1.62
	L0002914	0.0000001766	3.49	4.00	1.62
	L0002915	0.00000001766	3.49	4.00	1.62
	L0002916	0.00000001766	3.49	4.00	1.62
	L0002917	0.00000001766	3.49	4.00	1.62
	L0002917	0.00000001766	3.49	4.00	1.62
	L0002919	0.00000001766	3.49	4.00	1.62
	L0002919	0.00000001766	3.49	4.00	1.62
	L0002920	0.00000001766	3.49	4.00	1.62
	L0002921	0.00000001766	3.49	4.00	1.62
		0.00000001766	3.49		
	L0002923		3.49	4.00	1.62
	L0002924	0.00000001766		4.00	1.62
	L0002925	0.00000001766	3.49	4.00	1.62
	L0002926	0.00000001766	3.49	4.00	1.62
	L0002927	0.00000001766	3.49	4.00	1.62
	L0002928	0.00000001766	3.49	4.00	1.62
	L0002929	0.00000001766	3.49	4.00	1.62
	L0002930	0.00000001766	3.49	4.00	1.62
	L0002931	0.0000001766	3.49	4.00	1.62
	L0002932	0.0000001766	3.49	4.00	1.62
	L0002933	0.0000001766	3.49	4.00	1.62
	L0002934	0.0000001766	3.49	4.00	1.62
	L0002935	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002936	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002937	0.0000001766	3.49	4.00	1.62
	L0002938	0.0000001766	3.49	4.00	1.62
	L0002939	0.0000001766	3.49	4.00	1.62
	L0002940	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002941	0.0000001766	3.49	4.00	1.62
SRCPARAM	L0002942	0.0000001766	3.49	4.00	1.62

	SRCPARAM	L0002943	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002944	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002945	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002946	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002947	0.0000001766	3.49	4.00	1.62
	SRCPARAM		0.0000001766	3.49	4.00	1.62
		L0002949	0.00000001766	3.49	4.00	1.62
		L0002950	0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
		L0002952	0.00000001766	3.49	4.00	1.62
		L0002953	0.00000001766	3.49	4.00	1.62
		L0002954	0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
		L0002956	0.00000001766	3.49	4.00	1.62
		L0002957	0.00000001766	3.49	4.00	1.62
	SRCPARAM		0.00000001766	3.49	4.00	1.62
		L0002959	0.0000001766	3.49	4.00	1.62
		L0002960	0.0000001766	3.49	4.00	1.62
		L0002961	0.0000001766	3.49	4.00	1.62
		L0002962	0.0000001766	3.49	4.00	1.62
		L0002963	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002964	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002965	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002966	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002967	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002968	0.0000001766	3.49	4.00	1.62
	SRCPARAM	L0002969	0.0000001766	3.49	4.00	1.62
*						
*	LINE VOLU	JME Source ID	= SLINE4			
	SRCPARAM	L0002970	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002971	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002972	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002973	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002974	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002975	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002976	0.000000008861	3.49	4.00	1.62
		L0002977	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002978	0.000000008861	3.49	4.00	1.62
		L0002979	0.000000008861	3.49	4.00	1.62
		L0002980	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0002981	0.000000008861	3.49	4.00	1.62
	SRCPARAM SRCPARAM		0.000000008861	3.49	4.00	1.62 1.62
	SRCPARAM	L0002982	0.000000008861	3.49	4.00	1.62
	SRCPARAM SRCPARAM	L0002982 L0002983	0.000000008861 0.000000008861	3.49 3.49	4.00 4.00	1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984	0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49	4.00 4.00 4.00	1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985	0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986	0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986 L0002987	0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986 L0002987 L0002988	0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986 L0002987 L0002988 L0002989	0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986 L0002987 L0002988 L0002989 L0002990	0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0002982 L0002983 L0002984 L0002985 L0002986 L0002987 L0002988 L0002989 L0002990	0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861 0.000000008861	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62 1.62

	L0002992	0.000000008861	3.49	4.00	1.62
	L0002993	0.000000008861	3.49	4.00	1.62
	L0002994	0.000000008861	3.49	4.00	1.62
	L0002995	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0002996	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0002997	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0002998	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0002999	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003000	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003001	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003002	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003003	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003004	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003005	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003006	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003007	0.000000008861	3.49	4.00	1.62
	L0003008	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003009	0.000000008861	3.49	4.00	1.62
	L0003010	0.000000008861	3.49	4.00	1.62
	L0003011	0.000000008861	3.49	4.00	1.62
	L0003012	0.000000008861	3.49	4.00	1.62
	L0003013	0.000000008861	3.49	4.00	1.62
	L0003014	0.000000008861	3.49	4.00	1.62
	L0003015	0.000000008861	3.49	4.00	1.62
	L0003015	0.000000008861	3.49	4.00	1.62
	L0003017	0.000000008861	3.49	4.00	1.62
	L0003017	0.000000008861	3.49	4.00	1.62
	L0003019	0.000000008861	3.49	4.00	1.62
	L0003019	0.000000008861	3.49	4.00	1.62
	L0003020	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003021	0.0000000008861	3.49	4.00	1.62
	L0003022	0.000000008861	3.49	4.00	1.62
	L0003023	0.000000008861	3.49	4.00	1.62
	L0003024	0.000000008861	3.49	4.00	1.62
	L0003025	0.000000008861	3.49	4.00	1.62
	L0003020	0.000000008861	3.49	4.00	1.62
	L0003027	0.000000008861	3.49	4.00	1.62
	L0003028		3.49		
		0.000000008861	3.49	4.00	1.62
	L0003030	0.000000008861		4.00	1.62
	L0003031	0.000000008861	3.49	4.00	1.62
	L0003032	0.000000008861	3.49	4.00	1.62
	L0003033	0.000000008861	3.49	4.00	1.62
	L0003034	0.000000008861	3.49	4.00	1.62
	L0003035	0.000000008861	3.49	4.00	1.62
	L0003036	0.000000008861	3.49	4.00	1.62
	L0003037	0.000000008861	3.49	4.00	1.62
	L0003038	0.000000008861	3.49	4.00	1.62
	L0003039	0.000000008861	3.49	4.00	1.62
	L0003040	0.000000008861	3.49	4.00	1.62
	L0003041	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003042	0.000000008861	3.49	4.00	1.62

	L0003043	0.000000008861	3.49	4.00	1.62
	L0003044	0.000000008861	3.49	4.00	1.62
	L0003045	0.000000008861	3.49	4.00	1.62
	L0003046	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003047	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003048	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003049	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003050	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003051	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003052	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003053	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003054	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003055	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003056	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003057	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003058	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003059	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003060	0.000000008861	3.49	4.00	1.62
	L0003061	0.000000008861	3.49	4.00	1.62
	L0003062	0.000000008861	3.49	4.00	1.62
	L0003063	0.000000008861	3.49	4.00	1.62
	L0003064	0.000000008861	3.49	4.00	1.62
	L0003065	0.000000008861	3.49	4.00	1.62
	L0003066	0.000000008861	3.49	4.00	1.62
	L0003067	0.000000008861	3.49	4.00	1.62
	L0003068	0.000000008861	3.49	4.00	1.62
	L0003069	0.000000008861	3.49	4.00	1.62
	L0003070	0.000000008861	3.49	4.00	1.62
	L0003070	0.000000008861	3.49	4.00	1.62
	L0003071	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003072	0.0000000008861	3.49	4.00	1.62
	L0003073	0.000000008861	3.49	4.00	1.62
	L0003074	0.0000000008861	3.49	4.00	1.62
	L0003075	0.000000008861	3.49	4.00	1.62
	L0003070	0.000000008861	3.49	4.00	1.62
	L0003077	0.000000008861	3.49	4.00	1.62
	L0003078	0.000000008861	3.49	4.00	1.62
	L0003079		3.49		
		0.000000008861	3.49	4.00	1.62
	L0003081	0.000000008861		4.00	1.62
	L0003082	0.000000008861	3.49	4.00	1.62
	L0003083	0.000000008861	3.49	4.00	1.62
	L0003084	0.000000008861	3.49	4.00	1.62
	L0003085	0.000000008861	3.49	4.00	1.62
	L0003086	0.000000008861	3.49	4.00	1.62
	L0003087	0.000000008861	3.49	4.00	1.62
	L0003088	0.000000008861	3.49	4.00	1.62
	L0003089	0.000000008861	3.49	4.00	1.62
	L0003090	0.000000008861	3.49	4.00	1.62
	L0003091	0.000000008861	3.49	4.00	1.62
	L0003092	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003093	0.000000008861	3.49	4.00	1.62

	L0003094	0.000000008861	3.49	4.00	1.62
	L0003095	0.000000008861	3.49	4.00	1.62
	L0003096	0.000000008861	3.49	4.00	1.62
	L0003097	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003098	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003099	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003100	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003101	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003102	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003103	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003104	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003105	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003106	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003107	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003108	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003109	0.000000008861	3.49	4.00	1.62
	L0003110	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003111	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003112	0.000000008861	3.49	4.00	1.62
	L0003113	0.000000008861	3.49	4.00	1.62
	L0003114	0.000000008861	3.49	4.00	1.62
	L0003115	0.000000008861	3.49	4.00	1.62
	L0003116	0.000000008861	3.49	4.00	1.62
	L0003117	0.000000008861	3.49	4.00	1.62
	L0003117	0.000000008861	3.49	4.00	1.62
	L0003119	0.000000008861	3.49	4.00	1.62
	L0003113	0.000000008861	3.49	4.00	1.62
	L0003121	0.000000008861	3.49	4.00	1.62
	L0003121	0.000000008861	3.49	4.00	1.62
	L0003122	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003123	0.0000000008861	3.49	4.00	1.62
	L0003124	0.000000008861	3.49	4.00	1.62
	L0003125	0.000000008861	3.49	4.00	1.62
	L0003120	0.000000008861	3.49	4.00	1.62
	L0003127	0.000000008861	3.49	4.00	1.62
	L0003128	0.000000008861	3.49	4.00	1.62
	L0003129	0.000000008861	3.49	4.00	1.62
	L0003130		3.49		
		0.000000008861	3.49	4.00	1.62
	L0003132	0.000000008861		4.00	1.62
	L0003133	0.000000008861	3.49	4.00	1.62
	L0003134	0.000000008861	3.49	4.00	1.62
	L0003135	0.000000008861	3.49	4.00	1.62
	L0003136	0.000000008861	3.49	4.00	1.62
	L0003137	0.000000008861	3.49	4.00	1.62
	L0003138	0.000000008861	3.49	4.00	1.62
	L0003139	0.000000008861	3.49	4.00	1.62
	L0003140	0.000000008861	3.49	4.00	1.62
	L0003141	0.000000008861	3.49	4.00	1.62
	L0003142	0.000000008861	3.49	4.00	1.62
	L0003143	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003144	0.000000008861	3.49	4.00	1.62

	L0003145	0.000000008861	3.49	4.00	1.62
	L0003146	0.000000008861	3.49	4.00	1.62
	L0003147	0.000000008861	3.49	4.00	1.62
	L0003148	0.000000008861	3.49	4.00	1.62
	L0003149	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003150	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003151	0.000000008861	3.49	4.00	1.62
	L0003152	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003153	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003154	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003155	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003156	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003157	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003158	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003159	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003160	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003161	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003162	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003163	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003164	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003165	0.000000008861	3.49	4.00	1.62
	L0003166	0.000000008861	3.49	4.00	1.62
	L0003167	0.000000008861	3.49	4.00	1.62
	L0003168	0.000000008861	3.49	4.00	1.62
	L0003169	0.000000008861	3.49	4.00	1.62
	L0003170	0.000000008861	3.49	4.00	1.62
	L0003171	0.000000008861	3.49	4.00	1.62
	L0003172	0.000000008861	3.49	4.00	1.62
	L0003173	0.000000008861	3.49	4.00	1.62
	L0003174	0.000000008861	3.49	4.00	1.62
	L0003171	0.000000008861	3.49	4.00	1.62
	L0003175	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003170	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003177	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003178	0.0000000008861	3.49	4.00	1.62
	L0003175	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003180	0.0000000000000000000000000000000000000	3.49	4.00	1.62
	L0003181	0.000000008861	3.49	4.00	1.62
	L0003182	0.000000008861	3.49	4.00	1.62
	L0003183	0.000000008861	3.49	4.00	1.62
	L0003184	0.000000008861	3.49	4.00	1.62
	L0003185	0.000000008861	3.49	4.00	1.62
	L0003187	0.000000008861	3.49	4.00	1.62
	L0003188	0.000000008861	3.49	4.00	1.62
	L0003189	0.000000008861	3.49	4.00	1.62
	L0003190	0.000000008861	3.49	4.00	1.62
	L0003191	0.000000008861	3.49	4.00	1.62
	L0003192	0.000000008861	3.49	4.00	1.62
	L0003193	0.000000008861	3.49	4.00	1.62
	L0003194	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003195	0.000000008861	3.49	4.00	1.62

SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003197	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003198	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003199	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003200	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003201	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003202	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003203	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003204	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003205	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003206	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003207	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003208	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003209	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003210	0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003211	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003213	0.000000008861	3.49	4.00	1.62
	L0003214	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003217	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003219	0.000000008861	3.49	4.00	1.62
	L0003219	0.0000000008861	3.49	4.00	1.62
	L0003220	0.0000000008861	3.49	4.00	1.62
	L0003221	0.000000008861	3.49	4.00	1.62
	L0003222	0.0000000008861	3.49	4.00	1.62
	L0003223	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.0000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003226	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003228	0.000000008861	3.49	4.00	1.62
	L0003230	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003232	0.000000008861	3.49	4.00	1.62
	L0003233	0.000000008861	3.49	4.00	1.62
	L0003234	0.000000008861	3.49	4.00	1.62
	L0003235	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.00000008861	3.49	4.00	1.62
	L0003237	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003239	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.00000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
	L0003243	0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM		0.000000008861	3.49	4.00	1.62
SRCPARAM	L0003246	0.000000008861	3.49	4.00	1.62

	SRCPARAM	L0003247	0.000000008861 0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0003248	0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0003249	0.000000008861 0.000000008861	3.49	4.00	1.62
	SRCPARAM	L0003250	0.000000008861	3.49	4.00	1.62
*		TME Carrage TD	OT THE			
		JME Source ID		2 40	4 00	1 60
	SRCPARAM	L0003251 L0003252	0.000000008811 0.000000008811	3.49	4.00	1.62
	SRCPARAM	L0003252	0.0000000008811	3.49	4.00	1.62
	SRCPARAM	L0003253 L0003254	0.000000008811 0.000000008811	3.49	4.00	1.62
	SRCPARAM	L0003254	0.0000000008811	3.49	4.00	1.62
		L0003255	0.000000008811	3.49	4.00	1.62
		L0003256	0.000000008811	3.49 3.49	4.00	1.62
		L0003257	0.000000008811	3.49	4.00	1.62
		L0003258	0.000000008811 0.000000008811	3.49 3.49	4.00	1.62
		L0003259	0.0000000008811	3.49		1.62
		L0003260	0.000000008811 0.000000008811	3.49 3.49	4.00	1.62
		L0003261		3.49	4.00	1.62
		L0003262	0.000000008811	3.49 3.49	4.00	1.62
		L0003263	0.00000008811	3.49	4.00	1.62
		L0003264	0.000000008811	3.49	4.00	1.62
		L0003265	0.000000008811 0.000000008811	3.49	4.00	1.62
		L0003266	0.000000008811	3.49	4.00	1.62
		L0003267	0.000000008811	3.49 3.49	4.00	1.62
		L0003268	0.000000008811	3.49	4.00	1.62
		L0003269	0.000000008811 0.000000008811	3.49	4.00	1.62
		L0003270	0.000000008811	3.49	4.00	1.62
		L0003271	0.000000008811 0.000000008811	3.49 3.49	4.00	1.62
		L0003272		3.49	4.00	1.62
		L0003273	0.000000008811	3.49 3.49	4.00	1.62
		L0003274	0.00000008811	3.49	4.00	1.62
		L0003275	0.000000008811	3.49	4.00	1.62
		L0003276	0.000000008811	3.49	4.00	1.62
		L0003277	0.000000008811	3.49	4.00	1.62
		L0003278	0.000000008811	3.49 3.49	4.00	1.62
		L0003279	0.000000008811	3.49	4.00	1.62
		L0003280	0.000000008811	3.49 3.49	4.00	1.62
		L0003281	0.000000008811	3.49		1.62
		L0003282	0.000000008811 0.000000008811	3.49 3.49	4.00	1.62
		L0003283			4.00	1.62
		L0003284	0.000000008811	3.49	4.00	1.62
		L0003285	0.000000008811	3.49	4.00	1.62
		L0003286	0.000000008811	3.49	4.00	1.62
		L0003287	0.000000008811	3.49	4.00	1.62
		L0003288	0.000000008811	3.49	4.00	1.62
		L0003289	0.000000008811	3.49	4.00	1.62
		L0003290	0.000000008811	3.49	4.00	1.62
		L0003291	0.000000008811	3.49	4.00	1.62
		L0003292	0.000000008811	3.49	4.00	1.62
		L0003293	0.000000008811	3.49 3.49	4.00	1.62
		L0003294			4.00	1.62
	SRCPARAM	L0003295	0.000000008811	3.49	4.00	1.62

	L0003296	0.000000008811	3.49	4.00	1.62
	L0003297	0.000000008811	3.49	4.00	1.62
	L0003298	0.000000008811	3.49	4.00	1.62
	L0003299	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003300	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003301	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003302	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003303	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003304	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003305	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003306	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003307	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003308	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003309	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003310	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003311	0.000000008811	3.49	4.00	1.62
	L0003312	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003313	0.000000008811	3.49	4.00	1.62
	L0003314	0.000000008811	3.49	4.00	1.62
	L0003315	0.000000008811	3.49	4.00	1.62
	L0003316	0.000000008811	3.49	4.00	1.62
	L0003317	0.000000008811	3.49	4.00	1.62
	L0003318	0.000000008811	3.49	4.00	1.62
	L0003319	0.000000008811	3.49	4.00	1.62
	L0003319	0.000000008811	3.49	4.00	1.62
	L0003320	0.000000008811	3.49	4.00	1.62
	L0003322	0.000000008811	3.49	4.00	1.62
	L0003322	0.000000008811	3.49	4.00	1.62
	L0003323	0.000000008811	3.49	4.00	1.62
	L0003321	0.0000000000011	3.49	4.00	1.62
	L0003325	0.0000000008811	3.49	4.00	1.62
	L0003327	0.000000008811	3.49	4.00	1.62
	L0003327	0.000000008811	3.49	4.00	1.62
	L0003328	0.000000008811	3.49	4.00	1.62
	L0003329	0.000000008811	3.49	4.00	1.62
	L0003330	0.000000008811	3.49	4.00	1.62
	L0003331	0.000000008811	3.49	4.00	1.62
	L0003333	0.000000008811	3.49	4.00	1.62
	L0003334	0.000000008811	3.49	4.00	1.62
	L0003335	0.000000008811	3.49	4.00	1.62
	L0003336	0.000000008811	3.49	4.00	1.62
	L0003337	0.000000008811	3.49	4.00	1.62
	L0003338	0.000000008811	3.49	4.00	1.62
	L0003339	0.000000008811	3.49	4.00	1.62
	L0003340	0.000000008811	3.49	4.00	1.62
	L0003341	0.000000008811	3.49	4.00	1.62
	L0003342	0.000000008811	3.49	4.00	1.62
	L0003343	0.000000008811	3.49	4.00	1.62
	L0003344	0.000000008811	3.49	4.00	1.62
	L0003345	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003346	0.000000008811	3.49	4.00	1.62

SRCPARAM	L0003347	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003348	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003349	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003350	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003351	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003352	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003353	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003354	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003355	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003356	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003357	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003358	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003359	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003360	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003361	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003362	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003363	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003364	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003365	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003366	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003367	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003368	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003369	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003370	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003371	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003372	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003373	0.000000008811	3.49	4.00	1.62
	L0003374	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003375	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003376	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003377	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003378	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003379	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003380	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003381	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003382	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003383	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003384	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003385	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003386	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003387	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003388	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003389	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003390	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003391	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003392	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003393	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003394	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003395	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003396	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003397	0.000000008811	3.49	4.00	1.62

SRCPARAM	L0003398	0.000000008811	3.49	4.00	1.62
	L0003399	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003400	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003401	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003402	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003403	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003404	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003405	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003406	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003407	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003408	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003409	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003410	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003411	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003412	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003413	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003414	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003415	0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
	L0003417	0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
	L0003419	0.000000008811	3.49	4.00	1.62
	L0003420	0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
	L0003423	0.000000008811	3.49	4.00	1.62
	L0003424	0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
	L0003427	0.000000008811	3.49	4.00	1.62
	L0003127	0.000000008811	3.49	4.00	1.62
	L0003120	0.0000000008811	3.49	4.00	1.62
	L0003430	0.0000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000000811	3.49	4.00	1.62
SRCPARAM		0.000000000811	3.49	4.00	1.62
	L0003133	0.000000000811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
	L0003430	0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
		0.000000008811	3.49		
SRCPARAM				4.00	1.62
SRCPARAM		0.000000008811	3.49 3.49	4.00	1.62
	L0003443	0.000000008811		4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM		0.000000008811	3.49	4.00	1.62
SRCPARAM	_UUUU3448	0.000000008811	3.49	4.00	1.62

	L0003449	0.000000008811	3.49	4.00	1.62
	L0003450	0.000000008811	3.49	4.00	1.62
	L0003451	0.000000008811	3.49	4.00	1.62
	L0003452	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003453	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003454	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003455	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003456	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003457	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003458	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003459	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003460	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003461	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003462	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003463	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003464	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003465	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003466	0.000000008811	3.49	4.00	1.62
	L0003467	0.000000008811	3.49	4.00	1.62
	L0003468	0.000000008811	3.49	4.00	1.62
	L0003469	0.000000008811	3.49	4.00	1.62
	L0003470	0.000000008811	3.49	4.00	1.62
	L0003471	0.000000008811	3.49	4.00	1.62
	L0003472	0.000000008811	3.49	4.00	1.62
	L0003473	0.000000008811	3.49	4.00	1.62
	L0003173	0.000000008811	3.49	4.00	1.62
	L0003475	0.000000008811	3.49	4.00	1.62
	L0003175	0.000000008811	3.49	4.00	1.62
	L0003477	0.000000008811	3.49	4.00	1.62
	L0003177	0.000000000811	3.49	4.00	1.62
	L0003478	0.000000008811	3.49	4.00	1.62
	L0003479	0.000000008811	3.49	4.00	1.62
	L0003480	0.000000008811	3.49	4.00	1.62
	L0003481	0.000000008811	3.49	4.00	1.62
	L0003482	0.000000008811	3.49	4.00	1.62
	L0003483	0.000000008811	3.49	4.00	1.62
	L0003485	0.000000008811	3.49	4.00	1.62
	L0003486	0.000000008811	3.49	4.00	1.62
	L0003487	0.000000008811	3.49	4.00	1.62
	L0003488	0.000000008811	3.49	4.00	1.62
	L0003489	0.000000008811	3.49	4.00	1.62
	L0003490	0.000000008811	3.49	4.00	1.62
	L0003491	0.000000008811	3.49	4.00	1.62
	L0003492	0.000000008811	3.49	4.00	1.62
	L0003493	0.000000008811	3.49	4.00	1.62
	L0003494	0.000000008811	3.49	4.00	1.62
	L0003495	0.000000008811	3.49	4.00	1.62
	L0003496	0.000000008811	3.49	4.00	1.62
	L0003497	0.000000008811	3.49	4.00	1.62
	L0003498	0.000000008811	3.49	4.00	1.62
SRCPARAM	L0003499	0.000000008811	3.49	4.00	1.62

	SRCPARAM	L0003500		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003501		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003502		0.00000000		3.49	4.00	1.62	
		L0003503		0.00000000		3.49	4.00	1.62	
	SRCPARAM	L0003504		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003505		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003506		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003507		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003508		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003509		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003510		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003511		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003512		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003513		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003514		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003515		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003516		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003517		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003518		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003519		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003520		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003521		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003522		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003523		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003524		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003525		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003526		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003527		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003528		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003529		0.00000000		3.49	4.00	1.62	
	SRCPARAM	L0003530		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003531		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003532		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003533		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003534		0.00000000	8811	3.49	4.00	1.62	
	SRCPARAM	L0003535		0.00000000	8811	3.49	4.00	1.62	
		L0003536		0.00000000	8811	3.49	4.00	1.62	
-									_
	Building	Downwash	* *						
	BUILDHGT			0.00	12.50	12.50	12.50	12.50	12.50
	BUILDHGT	STCK1		12.50	12.50	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT			0.00	12.50	0.00	0.00	0.00	0.00
	BUILDHGT			0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT			0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK2		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT			0.00	0.00	0.00	12.50	12.50	12.50
	BUILDHGT			12.50	12.50	12.50	12.50	0.00	0.00
	BUILDHGT			0.00	0.00	0.00	0.00	0.00	0.00

* *

BUILDHGT BUILDHGT		0.00	0.00	0.00 12.50	0.00 12.50	0.00	0.00
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDWID		0.00	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	225.24	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	221.18	227.85	0.00	0.00
BUILDWID	STCK3	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK3	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK3	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK3	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK3	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK3	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK4	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK4	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91

BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
POILDWID	SICKS	100.09	207.79	221.10	227.65	220.19	222.91
BUILDLEN	STCK1	0.00	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	132.31	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN							
BUILDLEN	STCKI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	CITICIX O	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	159.70	130.15	0.00	0.00
BUILDLEN	CITICIX 2	98.52	132.31	162.67	188.09	207.79	221.18
		227.85	228.19	222.91		207.79	217.23
BUILDLEN					226.99		
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK3	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK 4	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN				222.91		225.24	217.23
		227.85	228.19		226.99		
BUILDLEN	SICK4	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK 5	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BOILDLEN	SICKS	203.76	104.54	159.70	130.15	90.27	63.96
XBADJ	STCK1	0.00	-156.00	-189.70	-217.63	-238.96	-253.02
XBADJ	STCK1	-259.39	-257.88	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	23.68	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
		3.30	3.30	2.30	2.30	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

XBADJ	STCK2	0.00	0.00	0.00	-254.78	-254.48	-247.04
XBADJ	STCK2	-232.08	-210.08	-181.69	-147.78	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	21.99	17.63	0.00	0.00
XBADJ	STCK3	-67.48	-78.44	-87.03	-92.97	-96.08	-96.28
XBADJ	STCK3	-93.55	-87.98	-80.20	-78.77	-75.70	-70.92
XBADJ	STCK3	-63.98	-55.10	-44.54	-32.63	-20.80	-8.89
XBADJ	STCK3	-31.04	-53.87	-75.65	-95.12	-111.71	-124.90
XBADJ	STCK3	-134.30	-140.22	-142.71	-148.22	-149.54	-146.31
XBADJ	STCK3	-139.80	-129.44	-115.16	-97.52	-77.47	-55.07
ABADU	SICKS	-139.00	-129.44	-115.16	-97.52	-//.4/	-55.07
XBADJ	STCK4	-73.41	-89.99	-103.83	-114.53	-121.74	-125.25
XBADJ	STCK4	-124.95	-120.86	-113.57	-111.61	-107.01	-99.75
XBADJ	STCK4	-89.45	-76.44	-61.10	-43.91	-26.45	-8.75
XBADJ	STCK4	-25.11	-42.32	-58.84	-73.56	-86.06	-95.93
XBADJ	STCK4	-102.89	-107.33	-109.34	-115.38	-118.23	-117.48
XBADJ	STCK4	-114.33	-107.33	-98.59	-86.24	-71.81	-55.21
ABADU	SICK4	-114.33	-106.10	-90.59	-00.24	-/1.01	-55.21
XBADJ	STCK5	-78.38	-99.78	-118.14	-132.92	-143.66	-150.03
XBADJ	STCK5	-151.85	-149.05	-142.19	-139.79	-133.90	-124.53
XBADJ	STCK5	-111.38	-94.84	-75.41	-53.70	-31.42	-8.75
XBADJ	STCK5	-20.14	-32.54	-44.53	-55.17	-64.13	-71.15
XBADJ	STCK5	-76.00	-79.15	-80.72	-87.20	-91.33	-92.70
XBADJ	STCK5	-92.40	-89.70	-84.28	-76.45	-66.84	-55.21
ADADU	SICKS	-92.40	-69.70	-04.20	-70.45	-00.04	-55.21
YBADJ	STCK1	0.00	114.50	97.95	77.85	55.18	30.83
YBADJ	STCK1	5.47	-19.79	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	-114.50	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
IDADO	DICKI	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	13.12	-11.99	-36.44
YBADJ	STCK2	-59.79	-81.32	-100.38	-116.39	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
YBADJ	STCK2	0.00	0.00	100.38	116.39	0.00	0.00
IDADO	DICKE	0.00	0.00	100.50	110.55	0.00	0.00
YBADJ	STCK3	-34.73	-36.92	-37.70	-37.91	-37.17	-35.31
YBADJ	STCK3	-32.44	-28.34	-23.09	-18.22	-12.29	-5.69
YBADJ	STCK3	1.08	7.81	14.31	20.38	26.12	31.26
YBADJ	STCK3	34.73	36.92	37.70	37.91	37.17	35.31
YBADJ	STCK3	32.44	28.34	23.09	18.22	12.29	5.69
YBADJ	STCK3	-1.08	-7.81	-14.31	-20.38	-26.12	-31.25
	510115	1.00		11.51	20.50	20.12	31.23
YBADJ	STCK4	-1.89	-5.61	-8.87	-12.44	-15.83	-18.74
YBADJ	STCK4	-21.16	-22.68	-23.23	-24.15	-23.83	-22.50
YBADJ	STCK4	-20.48	-17.84	-14.66	-11.03	-6.77	-2.11

```
STCK4
                     1.89
                            5.61
                                    8.87 12.44
                                                          18.74
  YBADJ
                                                   15.83
  YBADJ
         STCK4
                      21.16
                             22.68
                                    23.23
                                            24.15
                                                   23.83
                                                          22.50
  YBADJ
         STCK4
                      20.48 17.84 14.66
                                            11.03
                                                    6.77
                                                           2.12
                                                    2.57
  YBADJ
         STCK5
                     26.30
                            21.28
                                   15.92
                                             9.49
                                                          -4.43
  YBADJ
         STCK5
                     -11.37 -17.71
                                   -23.23
                                           -29.12
                                                  -33.62
                                                         -36.81
  YBADJ
         STCK5
                     -38.88 -39.76
                                   -39.44
                                          -37.92
                                                  -34.95
                                                         -30.73
  YBADJ
         STCK5
                     -26.30 -21.28 -15.92
                                           -9.49
                                                   -2.57
                                                          4.43
  YBADJ
         STCK5
                     11.37 17.71 23.23
                                          29.12
                                                   33.62
                                                          36.81
                     38.88 39.76 39.44 37.92
  YBADJ
         STCK5
                                                   34.95
                                                          30.73
  URBANSRC ALL
  SRCGROUP ALL
SO FINISHED
**********
** AERMOD Receptor Pathway
**********
RE STARTING
  INCLUDED "Greenstone 2 year.rou"
RE FINISHED
**********
** AERMOD Meteorology Pathway
***********
ME STARTING
  SURFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC"
  PROFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL"
  SURFDATA 3166 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 58.0 METERS
ME FINISHED
**********
** AERMOD Output Pathway
***********
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE PERIOD ALL "GREENSTONE 2 YEAR.AD\PE00GALL.PLT" 31
  SUMMFILE "Greenstone 2 year.sum"
OU FINISHED
 *** Message Summary For AERMOD Model Setup ***
```

```
----- Summary of Total Messages -----
A Total of
                    0 Fatal Error Message(s)
A Total of
                   7 Warning Message(s)
A Total of
                   0 Informational Message(s)
  ****** FATAL ERROR MESSAGES ******
            *** NONE ***
  ****** WARNING MESSAGES
                            ******
SO W320
         1097
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                  VS
SO W320
         1098
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                  VS
SO W320
         1099
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                  VS
SO W320
         1100
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                  VS
SO W320
         1101
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
ME W186
          2229
                   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
                                                                                0.50
ME W187
          2229
                   MEOPEN: ADJ U* Option for Stable Low Winds used in AERMET
*********
*** SETUP Finishes Successfully ***
*********
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc
                                                                                                          01/20/22
                                                                                                +++
16:00:20
                                                                                                          PAGE 1
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ U*
                                              MODEL SETUP OPTIONS SUMMARY
**Model Is Setup For Calculation of Average CONCentration Values.
 -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F
**Model Uses URBAN Dispersion Algorithm for the SBL for 920 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 9818605.0; Urban Roughness Length = 1.000 m
**Model Uses Regulatory DEFAULT Options:
       1. Stack-tip Downwash.
       2. Model Accounts for ELEVated Terrain Effects.
       3. Use Calms Processing Routine.
       4. Use Missing Data Processing Routine.
```

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5. No Exponential Decay.
       6. Urban Roughness Length of 1.0 Meter Assumed.
**Other Options Specified:
       ADJ_U* - Use ADJ_U* option for SBL in AERMET
       TEMP_Sub - Meteorological data includes TEMP substitutions
**Model Assumes No FLAGPOLE Receptor Heights.
**The User Specified a Pollutant Type of: DPM
**Model Calculates PERIOD Averages Only
**This Run Includes:
                       920 Source(s);
                                           1 Source Group(s); and
                                                                      449 Receptor(s)
              with:
                         5 POINT(s), including
                         0 POINTCAP(s) and
                                               0 POINTHOR(s)
               and:
                       915 VOLUME source(s)
               and:
                         0 AREA type source(s)
               and:
                         0 LINE source(s)
               and:
                         0 RLINE/RLINEXT source(s)
               and:
                         0 OPENPIT source(s)
               and:
                         0 BUOYANT LINE source(s) with a total of
                                                                     0 line(s)
**Model Set To Continue RUNning After the Setup Testing.
**The AERMET Input Meteorological Data Version Date: 16216
**Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
        Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                              m for Missing Hours
                                                              b for Both Calm and Missing Hours
**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00; Decay Coef. = 0.000
                                                                                                  ; Rot. Angle =
                Emission Units = GRAMS/SEC
                                                                         ; Emission Rate Unit Factor = 0.10000E+07
                Output Units = MICROGRAMS/M**3
**Approximate Storage Requirements of Model =
                                                5.2 MB of RAM.
**Input Runstream File:
                                aermod.inp
**Output Print File:
                                aermod.out
**Detailed Error/Message File: Greenstone 2 year.err
**File for Summary of Results: Greenstone 2 year.sum
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year\in
                                                                                                                   01/20/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	E X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.48500E-05	402181.3	3754671.5	44.8	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK2	0	0.48500E-05	402180.4	3754589.0	44.0	3.50	366.00		0.10	YES	YES	NO	
STCK3	0	0.48500E-05	402012.5	3754650.4	44.3	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK4	0	0.48500E-05	402045.8	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK5	0	0.48500E-05	402074.4	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
*** AERMOD -	VERSION	21112 ***	*** C:\La	kes\AERMOI) View\Gre	eenstone	2 year\G	reenstone	2 year.isc	!	***		01/20/22
*** AERMET -	VERSION	16216 ***		Greenstor	•		- '		•		***		16:00:20
													PAGE 3

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	<u> </u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002553	0	0.83770E-07		3754671.9	44.8	3.50	4.00	5.81	YES	
L0002554	0	0.83770E-07	402171.3	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002555	0	0.83770E-07	402162.7	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002556	0	0.83770E-07	402154.1	3754671.9	44.9	3.50	4.00	5.81	YES	
L0002557	0	0.83770E-07	402145.5	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002558	0	0.83770E-07	402137.0	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002559	0	0.83770E-07	402128.4	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002560	0	0.83770E-07	402119.8	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002561	0	0.83770E-07	402111.2	3754672.0	44.8	3.50	4.00	5.81	YES	
L0002562	0	0.83770E-07	402102.6	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002563	0	0.83770E-07	402094.0	3754672.0	44.5	3.50	4.00	5.81	YES	
L0002564	0	0.83770E-07	402085.4	3754672.0	44.5	3.50	4.00	5.81	YES	
L0002565	0	0.83770E-07	402076.8	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002566	0	0.83770E-07	402068.2	3754672.0	44.6	3.50	4.00	5.81	YES	
L0002567	0	0.83770E-07	402059.6	3754672.1	44.6	3.50	4.00	5.81	YES	
L0002568	0	0.83770E-07	402051.0	3754672.1	44.5	3.50	4.00	5.81	YES	
L0002569	0	0.83770E-07	402042.5	3754672.1	44.5	3.50	4.00	5.81	YES	
L0002570	0	0.83770E-07	402033.9	3754672.1	44.4	3.50	4.00	5.81	YES	
L0002571	0	0.83770E-07	402025.3	3754672.1	44.4	3.50	4.00	5.81	YES	
L0002572	0	0.83770E-07	402016.7	3754672.1	44.3	3.50	4.00	5.81	YES	

L0002573	0	0.83770E-07	402008.1 3754672.1	44.2	3.50	4.00	5.81	YES		
L0002574	0	0.83770E-07	401999.5 3754672.1	44.2	3.50	4.00	5.81	YES		
L0002575	0	0.83770E-07	401990.9 3754672.1	44.1	3.50	4.00	5.81	YES		
L0002576	0	0.83770E-07	401982.3 3754672.1	44.0	3.50	4.00	5.81	YES		
L0002577	0	0.83770E-07	401973.7 3754672.1	44.0	3.50	4.00	5.81	YES		
L0002578	0	0.83770E-07	401965.1 3754672.2	43.9	3.50	4.00	5.81	YES		
L0002579	0	0.83770E-07	401956.5 3754672.2	43.8	3.50	4.00	5.81	YES		
L0002580	0	0.83770E-07	401948.0 3754672.2	43.7	3.50	4.00	5.81	YES		
L0002581	0	0.83770E-07	401939.4 3754672.2	43.7	3.50	4.00	5.81	YES		
L0002582	0	0.83770E-07	401931.9 3754669.8	43.5	3.50	4.00	5.81	YES		
L0002583	0	0.83770E-07	401927.6 3754662.6	43.4	3.50	4.00	5.81	YES		
L0002584	0	0.83770E-07	401925.5 3754654.2	43.3	3.50	4.00	5.81	YES		
L0002585	0	0.83770E-07	401925.3 3754645.7	43.3	3.50	4.00	5.81	YES		
L0002586	0	0.83770E-07	401925.0 3754637.1	43.2	3.50	4.00	5.81	YES		
L0002587	0	0.83770E-07	401924.8 3754628.5	43.2	3.50	4.00	5.81	YES		
L0002588	0	0.83770E-07	401925.0 3754619.9	43.3	3.50	4.00	5.81	YES		
L0002589	0	0.83770E-07	401925.3 3754611.3	43.3	3.50	4.00	5.81	YES		
L0002590	0	0.83770E-07	401925.6 3754602.7	43.2	3.50	4.00	5.81	YES		
L0002591	0	0.83770E-07	401926.2 3754594.3	43.2	3.50	4.00	5.81	YES		
L0002592	0	0.83770E-07	401932.2 3754588.5	43.4	3.50	4.00	5.81	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	year\Gree	enstone 2	year.isc	***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 20)23 and 20	24		***	16:00:20
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	NUMBER	EMISSION RATE	⊆		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0002593	0	0.83770E-07	401940.4	3754586.6	43.5	3.50	4.00	5.81	YES	
L0002594	0	0.83770E-07	401949.0	3754586.7	43.6	3.50	4.00	5.81	YES	
L0002595	0	0.83770E-07	401957.6	3754586.7	43.6	3.50	4.00	5.81	YES	
L0002596	0	0.83770E-07	401966.2	3754586.8	43.6	3.50	4.00	5.81	YES	
L0002597	0	0.83770E-07	401974.8	3754586.8	43.7	3.50	4.00	5.81	YES	
L0002598	0	0.83770E-07	401983.3	3754586.9	43.7	3.50	4.00	5.81	YES	
L0002599	0	0.83770E-07	401991.9	3754586.9	43.7	3.50	4.00	5.81	YES	
L0002600	0	0.83770E-07	402000.5	3754586.9	43.8	3.50	4.00	5.81	YES	
L0002601	0	0.83770E-07	402009.1	3754587.0	43.8	3.50	4.00	5.81	YES	
L0002602	0	0.83770E-07	402017.7	3754587.0	43.9	3.50	4.00	5.81	YES	
L0002603	0	0.83770E-07	402026.3	3754587.1	43.9	3.50	4.00	5.81	YES	
L0002604	0	0.83770E-07	402034.9	3754587.1	44.0	3.50	4.00	5.81	YES	
L0002605	0	0.83770E-07	402043.5	3754587.2	44.0	3.50	4.00	5.81	YES	
L0002606	0	0.83770E-07	402052.1	3754587.2	44.0	3.50	4.00	5.81	YES	
L0002607	0	0.83770E-07	402060.7	3754587.3	44.0	3.50	4.00	5.81	YES	
L0002608	0	0.83770E-07	402069.3	3754587.3	44.0	3.50	4.00	5.81	YES	
L0002609	0	0.83770E-07	402077.8	3754587.4	44.1	3.50	4.00	5.81	YES	

L0002610	0	0.83770E-07	402086.4 3754587.4	44.1	3.50	4.00	5.81	YES		
L0002611	0	0.83770E-07	402095.0 3754587.5	44.1	3.50	4.00	5.81	YES		
L0002612	0	0.83770E-07	402103.6 3754587.5	44.1	3.50	4.00	5.81	YES		
L0002613	0	0.83770E-07	402112.2 3754587.5	44.1	3.50	4.00	5.81	YES		
L0002614	0	0.83770E-07	402120.8 3754587.6	44.1	3.50	4.00	5.81	YES		
L0002615	0	0.83770E-07	402129.4 3754587.6	44.2	3.50	4.00	5.81	YES		
L0002616	0	0.83770E-07	402138.0 3754587.7	44.2	3.50	4.00	5.81	YES		
L0002617	0	0.83770E-07	402146.6 3754587.7	44.2	3.50	4.00	5.81	YES		
L0002618	0	0.83770E-07	402155.2 3754587.8	44.2	3.50	4.00	5.81	YES		
L0002619	0	0.83770E-07	402163.8 3754587.8	44.3	3.50	4.00	5.81	YES		
L0002620	0	0.83770E-07	402172.3 3754587.9	44.2	3.50	4.00	5.81	YES		
L0002621	0	0.83770E-07	402180.9 3754587.9	44.0	3.50	4.00	5.81	YES		
L0002691	0	0.17690E-07	402196.6 3754675.4	44.7	3.49	4.00	1.62	YES		
L0002692	0	0.17690E-07	402196.9 3754683.9	44.8	3.49	4.00	1.62	YES		
L0002693	0	0.17690E-07	402197.2 3754692.5	44.9	3.49	4.00	1.62	YES		
L0002694	0	0.17690E-07	402197.6 3754701.1	44.9	3.49	4.00	1.62	YES		
L0002695	0	0.17690E-07	402197.9 3754709.7	44.9	3.49	4.00	1.62	YES		
L0002696	0	0.17690E-07	402198.2 3754718.3	45.0	3.49	4.00	1.62	YES		
L0002697	0	0.17690E-07	402198.6 3754726.9	45.0	3.49	4.00	1.62	YES		
L0002698	0	0.17690E-07	402199.2 3754735.4	45.1	3.49	4.00	1.62	YES		
L0002699	0	0.17690E-07	402199.8 3754744.0	45.1	3.49	4.00	1.62	YES		
L0002700	0	0.17690E-07	402200.4 3754752.6	45.2	3.49	4.00	1.62	YES		
L0002701	0	0.17690E-07	402201.0 3754761.1	45.3	3.49	4.00	1.62	YES		
*** AERMOD -			*** C:\Lakes\AERMOD					year.isc	* * *	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Cond	c Years 20)23 and 20	24		* * *	16:00:20
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATH	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002702	0	0.17690E-07	402201.6	3754769.7	45.3	3.49	4.00	1.62	YES	
L0002703	0	0.17690E-07	402202.2	3754778.3	45.4	3.49	4.00	1.62	YES	
L0002704	0	0.17690E-07	402202.3	3754786.9	45.4	3.49	4.00	1.62	YES	
L0002705	0	0.17690E-07	402202.3	3754795.5	45.5	3.49	4.00	1.62	YES	
L0002706	0	0.17690E-07	402202.2	3754804.0	45.5	3.49	4.00	1.62	YES	
L0002707	0	0.17690E-07	402202.2	3754812.6	45.6	3.49	4.00	1.62	YES	
L0002708	0	0.17690E-07	402202.1	3754821.2	45.6	3.49	4.00	1.62	YES	
L0002709	0	0.17690E-07	402202.1	3754829.8	45.6	3.49	4.00	1.62	YES	
L0002710	0	0.17690E-07	402202.0	3754838.4	45.6	3.49	4.00	1.62	YES	
L0002711	0	0.17690E-07	402202.0	3754847.0	45.7	3.49	4.00	1.62	YES	
L0002712	0	0.17690E-07	402201.9	3754855.6	45.7	3.49	4.00	1.62	YES	
L0002713	0	0.17690E-07	402201.9	3754864.2	45.8	3.49	4.00	1.62	YES	
L0002714	0	0.17690E-07	402201.8	3754872.8	45.9	3.49	4.00	1.62	YES	
L0002715	0	0.17690E-07	402201.8	3754881.3	46.0	3.49	4.00	1.62	YES	

L0002716	0	0.17690E-07	402201.8 3754889.9	46.0	3.49	4.00	1.62	YES		
L0002717	0	0.17690E-07	402201.7 3754898.5	46.0	3.49	4.00	1.62	YES		
L0002718	0	0.17690E-07	402201.7 3754907.1	46.1	3.49	4.00	1.62	YES		
L0002719	0	0.17690E-07	402201.8 3754915.7	46.1	3.49	4.00	1.62	YES		
L0002720	0	0.17690E-07	402202.0 3754924.3	46.2	3.49	4.00	1.62	YES		
L0002721	0	0.17690E-07	402202.1 3754932.9	46.2	3.49	4.00	1.62	YES		
L0002722	0	0.17690E-07	402202.2 3754941.5	46.3	3.49	4.00	1.62	YES		
L0002723	0	0.17690E-07	402202.3 3754950.1	46.3	3.49	4.00	1.62	YES		
L0002724	0	0.17690E-07	402202.5 3754958.7	46.3	3.49	4.00	1.62	YES		
L0002725	0	0.17690E-07	402202.6 3754967.2	46.4	3.49	4.00	1.62	YES		
L0002726	0	0.17690E-07	402202.7 3754975.8	46.4	3.49	4.00	1.62	YES		
L0002727	0	0.17690E-07	402202.8 3754984.4	46.4	3.49	4.00	1.62	YES		
L0002728	0	0.17690E-07	402203.0 3754993.0	46.4	3.49	4.00	1.62	YES		
L0002729	0	0.17690E-07	402203.1 3755001.6	46.5	3.49	4.00	1.62	YES		
L0002730	0	0.17690E-07	402203.2 3755010.2	46.5	3.49	4.00	1.62	YES		
L0002731	0	0.17690E-07	402203.2 3755018.8	46.4	3.49	4.00	1.62	YES		
L0002732	0	0.17690E-07	402203.2 3755027.4	46.4	3.49	4.00	1.62	YES		
L0002733	0	0.17690E-07	402203.2 3755036.0	46.3	3.49	4.00	1.62	YES		
L0002734	0	0.17690E-07	402203.2 3755044.5	46.2	3.49	4.00	1.62	YES		
L0002735	0	0.17690E-07	402203.2 3755053.1	46.1	3.49	4.00	1.62	YES		
L0002736	0	0.17690E-07	402203.2 3755061.7	45.9	3.49	4.00	1.62	YES		
L0002737	0	0.17690E-07	402203.2 3755070.3	45.8	3.49	4.00	1.62	YES		
L0002738	0	0.17690E-07	402205.1 3755078.3	45.8	3.49	4.00	1.62	YES		
L0002739	0	0.17690E-07	402211.1 3755083.2	45.9	3.49	4.00	1.62	YES		
L0002740	0	0.17690E-07	402219.7 3755083.3	46.2	3.49	4.00	1.62	YES		
L0002741	0	0.17690E-07	402228.3 3755083.4	46.4	3.49	4.00	1.62	YES		
*** AERMOD - VERS	ION	21112 ***	*** C:\Lakes\AERMOD	View\Green	stone 2	year\Gree	nstone 2	year.isc	***	01/20/22
*** AERMET - VERS	ION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 20	123 and 20	2.4		***	16:00:20

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002742	0	0.17690E-07	402236.9	3755083.4	46.5	3.49	4.00	1.62	YES	
L0002743	0	0.17690E-07		3755083.5	46.6	3.49	4.00	1.62	YES	
L0002744	0	0.17690E-07	402254.0	3755083.6	46.6	3.49	4.00	1.62	YES	
L0002745	0	0.17690E-07	402262.6	3755083.6	46.7	3.49	4.00	1.62	YES	
L0002746	0	0.17690E-07	402271.2	3755083.7	46.7	3.49	4.00	1.62	YES	
L0002747	0	0.17690E-07	402279.8	3755083.8	46.7	3.49	4.00	1.62	YES	
L0002748	0	0.17690E-07	402288.4	3755083.8	46.7	3.49	4.00	1.62	YES	
L0002749	0	0.17690E-07	402297.0	3755083.9	46.7	3.49	4.00	1.62	YES	
L0002750	0	0.17690E-07	402305.6	3755084.0	46.7	3.49	4.00	1.62	YES	
L0002751	0	0.17690E-07	402314.2	3755084.0	46.7	3.49	4.00	1.62	YES	
L0002752	0	0.17690E-07	402322.8	3755084.1	46.7	3.49	4.00	1.62	YES	

L0002753	0	0.17690E-07	402331.3 3755084.2	46.6	3.49	4.00	1.62	YES		
L0002754	0	0.17690E-07	402339.9 3755084.3	46.6	3.49	4.00	1.62	YES		
L0002755	0	0.17690E-07	402348.5 3755084.3	46.6	3.49	4.00	1.62	YES		
L0002756	0	0.17690E-07	402357.1 3755084.4	46.6	3.49	4.00	1.62	YES		
L0002757	0	0.17690E-07	402365.7 3755084.5	46.7	3.49	4.00	1.62	YES		
L0002758	0	0.17690E-07	402374.3 3755084.5	46.8	3.49	4.00	1.62	YES		
L0002759	0	0.17690E-07	402382.9 3755084.6	46.8	3.49	4.00	1.62	YES		
L0002760	0	0.17690E-07	402391.5 3755084.7	46.8	3.49	4.00	1.62	YES		
L0002761	0	0.17690E-07	402400.1 3755084.7	46.9	3.49	4.00	1.62	YES		
L0002762	0	0.17690E-07	402408.6 3755084.8	46.9	3.49	4.00	1.62	YES		
L0002763	0	0.17690E-07	402417.2 3755084.9	46.9	3.49	4.00	1.62	YES		
L0002764	0	0.17690E-07	402425.8 3755084.9	46.9	3.49	4.00	1.62	YES		
L0002765	0	0.17690E-07	402434.4 3755085.0	46.9	3.49	4.00	1.62	YES		
L0002766	0	0.17690E-07	402443.0 3755085.1	46.9	3.49	4.00	1.62	YES		
L0002767	0	0.17690E-07	402451.6 3755085.2	46.9	3.49	4.00	1.62	YES		
L0002768	0	0.17690E-07	402460.2 3755085.2	46.9	3.49	4.00	1.62	YES		
L0002769	0	0.17690E-07	402468.5 3755087.2	47.0	3.49	4.00	1.62	YES		
L0002770	0	0.17690E-07	402468.7 3755095.7	47.0	3.49	4.00	1.62	YES		
L0002771	0	0.17690E-07	402468.8 3755104.3	47.1	3.49	4.00	1.62	YES		
L0002772	0	0.17690E-07	402468.8 3755112.9	47.2	3.49	4.00	1.62	YES		
L0002773	0	0.17690E-07	402468.9 3755121.5	47.4	3.49	4.00	1.62	YES		
L0002774	0	0.17690E-07	402468.9 3755130.1	47.5	3.49	4.00	1.62	YES		
L0002775	0	0.17690E-07	402469.0 3755138.7	47.5	3.49	4.00	1.62	YES		
L0002776	0	0.17690E-07	402469.1 3755147.2	47.6	3.49	4.00	1.62	YES		
L0002777	0	0.17690E-07	402469.1 3755155.8	47.6	3.49	4.00	1.62	YES		
L0002778	0	0.17690E-07	402469.2 3755164.4	47.6	3.49	4.00	1.62	YES		
L0002779	0	0.17690E-07	402469.2 3755173.0	47.5	3.49	4.00	1.62	YES		
L0002780	0	0.17690E-07	402469.3 3755181.6	47.5	3.49	4.00	1.62	YES		
L0002781	0	0.17690E-07	402469.4 3755190.2	47.5	3.49	4.00	1.62	YES		
*** AERMOD -			*** C:\Lakes\AERMOD			_		year.isc	***	01/20/22
*** AERMET -	VERSION	1 16216 ***	*** 19471 Greenstone	DPM Con	c Years 20	023 and 20	024		***	16:00:20

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0002782	0	0.17690E-07	402469.4	3755198.8	47.5	3.49	4.00	1.62	YES	
L0002783	0	0.17690E-07	402469.5	3755207.4	47.5	3.49	4.00	1.62	YES	
L0002784	0	0.17690E-07	402469.5	3755216.0	47.6	3.49	4.00	1.62	YES	
L0002785	0	0.17690E-07	402469.6	3755224.5	47.6	3.49	4.00	1.62	YES	
L0002786	0	0.17690E-07	402469.7	3755233.1	47.7	3.49	4.00	1.62	YES	
L0002787	0	0.17690E-07	402469.7	3755241.7	47.8	3.49	4.00	1.62	YES	
L0002788	0	0.17690E-07	402469.8	3755250.3	47.9	3.49	4.00	1.62	YES	
L0002789	0	0.17690E-07	402469.8	3755258.9	47.8	3.49	4.00	1.62	YES	

T 0002700	0	0 176000 07	102160 0 2755267 5	17 0	2 40	4 00	1 60	VEC	
L0002790 L0002791	0		402469.9 3755267.5 402470.0 3755276.1	47.8 47.7	3.49 3.49	4.00	1.62 1.62	YES YES	
L0002791 L0002792	0		402470.0 3755276.1	47.7	3.49	4.00	1.62	YES	
					3.49				
L0002793	0	0.17690E-07		47.8		4.00	1.62	YES	
L0002794	0	0.17690E-07	402470.1 3755301.9	47.9	3.49	4.00	1.62	YES	
L0002795	0	0.17690E-07	402470.2 3755310.4	47.9	3.49	4.00	1.62	YES	
L0002796	0	0.17690E-07		48.0	3.49	4.00	1.62	YES	
L0002797	0		402470.3 3755327.6	48.0	3.49	4.00	1.62	YES	
L0002798	0		402470.4 3755336.2	48.1	3.49	4.00	1.62	YES	
L0002799	0		402470.4 3755344.8	48.1	3.49	4.00	1.62	YES	
L0002800	0		402470.5 3755353.4	48.0	3.49	4.00	1.62	YES	
L0002801	0		402470.6 3755362.0	48.0	3.49	4.00	1.62	YES	
L0002802	0		402470.6 3755370.6	48.0	3.49	4.00	1.62	YES	
L0002803	0		402470.7 3755379.2	48.0	3.49	4.00	1.62	YES	
L0002804	0		402470.7 3755387.8	48.1	3.49	4.00	1.62	YES	
L0002805	0		402470.8 3755396.3	48.2	3.49	4.00	1.62	YES	
L0002806	0	0.17690E-07		48.2	3.49	4.00	1.62	YES	
L0002807	0	0.17690E-07	402470.9 3755413.5	48.2	3.49	4.00	1.62	YES	
L0002808	0	0.17690E-07	402471.0 3755422.1		3.49	4.00	1.62	YES	
L0002809	0	0.17690E-07	402471.0 3755430.7	48.3	3.49	4.00	1.62	YES	
L0002810	0	0.17690E-07	402471.1 3755439.3	48.3	3.49	4.00	1.62	YES	
L0002811	0	0.17690E-07	402471.2 3755447.9	48.4	3.49	4.00	1.62	YES	
L0002812	0	0.17660E-07	402197.9 3754584.0	43.8	3.49	4.00	1.62	YES	
L0002813	0	0.17660E-07	402197.9 3754575.4	43.7	3.49	4.00	1.62	YES	
L0002814	0	0.17660E-07	402198.0 3754566.8	43.6	3.49	4.00	1.62	YES	
L0002815	0	0.17660E-07	402198.0 3754558.2	43.5	3.49	4.00	1.62	YES	
L0002816	0	0.17660E-07	402198.0 3754549.6	43.5	3.49	4.00	1.62	YES	
L0002817	0	0.17660E-07	402198.0 3754541.0	43.4	3.49	4.00	1.62	YES	
L0002818	0	0.17660E-07	402198.1 3754532.5	43.2	3.49	4.00	1.62	YES	
L0002819	0	0.17660E-07	402198.1 3754523.9	43.1	3.49	4.00	1.62	YES	
L0002820	0	0.17660E-07	402198.1 3754515.3	42.9	3.49	4.00	1.62	YES	
L0002821	0	0.17660E-07	402198.1 3754506.7	42.8	3.49	4.00	1.62	YES	
*** AERMOD -	VERSION	I 21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone 2	year\Gree	enstone 2	year.isc	***
*** AERMET -			*** 19471 Greenstone					_	***

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0002822	0	0.17660E-07	402198.2	3754498.1	42.6	3.49	4.00	1.62	YES		
L0002823	0	0.17660E-07	402198.2	3754489.5	42.5	3.49	4.00	1.62	YES		
L0002824	0	0.17660E-07	402198.2	3754480.9	42.4	3.49	4.00	1.62	YES		
L0002825	0	0.17660E-07	402198.2	3754472.3	42.3	3.49	4.00	1.62	YES		
L0002826	0	0.17660E-07	402198.3	3754463.7	42.2	3.49	4.00	1.62	YES		

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L0002827	0		402198.3 3754455.1	42.1	3.49	4.00	1.62	YES		
L0002828	0	0.17660E-07		42.0	3.49	4.00	1.62	YES		
L0002829	0	0.17660E-07		41.9	3.49	4.00	1.62	YES		
L0002830	0	0.17660E-07		41.8	3.49	4.00	1.62	YES		
L0002831	0	0.17660E-07		41.7	3.49	4.00	1.62	YES		
L0002832	0	0.17660E-07		41.6	3.49	4.00	1.62	YES		
L0002833	0	0.17660E-07		41.5	3.49	4.00	1.62	YES		
L0002834	0		402198.5 3754395.0	41.4	3.49	4.00	1.62	YES		
L0002835	0		402198.5 3754386.4	41.3	3.49	4.00	1.62	YES		
L0002836	0	0.17660E-07		41.1	3.49	4.00	1.62	YES		
L0002837	0	0.17660E-07		40.9	3.49	4.00	1.62	YES		
L0002838	0	0.17660E-07		40.7	3.49	4.00	1.62	YES		
L0002839	0	0.17660E-07	402198.6 3754352.1	40.6	3.49	4.00	1.62	YES		
L0002840	0	0.17660E-07	402198.7 3754343.5	40.5	3.49	4.00	1.62	YES		
L0002841	0	0.17660E-07	402198.7 3754334.9	40.4	3.49	4.00	1.62	YES		
L0002842	0	0.17660E-07	402198.7 3754326.3	40.4	3.49	4.00	1.62	YES		
L0002843	0	0.17660E-07	402198.7 3754317.7	40.3	3.49	4.00	1.62	YES		
L0002844	0	0.17660E-07	402198.8 3754309.1	40.2	3.49	4.00	1.62	YES		
L0002845	0	0.17660E-07	402198.8 3754300.5	40.1	3.49	4.00	1.62	YES		
L0002846	0	0.17660E-07	402198.8 3754291.9	40.1	3.49	4.00	1.62	YES		
L0002847	0	0.17660E-07	402198.8 3754283.3	40.1	3.49	4.00	1.62	YES		
L0002848	0	0.17660E-07	402198.9 3754274.8	40.1	3.49	4.00	1.62	YES		
L0002849	0	0.17660E-07	402198.9 3754266.2	40.1	3.49	4.00	1.62	YES		
L0002850	0	0.17660E-07	402198.9 3754257.6	40.1	3.49	4.00	1.62	YES		
L0002851	0	0.17660E-07	402198.9 3754249.0	40.1	3.49	4.00	1.62	YES		
L0002852	0	0.17660E-07	402199.0 3754240.4	40.1	3.49	4.00	1.62	YES		
L0002853	0	0.17660E-07	402199.0 3754231.8	40.0	3.49	4.00	1.62	YES		
L0002854	0	0.17660E-07	402199.0 3754223.2	39.9	3.49	4.00	1.62	YES		
L0002855	0	0.17660E-07	402199.1 3754214.6	39.9	3.49	4.00	1.62	YES		
L0002856	0	0.17660E-07	402199.1 3754206.0	39.8	3.49	4.00	1.62	YES		
L0002857	0	0.17660E-07	402199.1 3754197.4	39.7	3.49	4.00	1.62	YES		
L0002858	0	0.17660E-07		39.6	3.49	4.00	1.62	YES		
L0002859	0	0.17660E-07		39.6	3.49	4.00	1.62	YES		
L0002860	0		402199.2 3754171.7	39.5	3.49	4.00	1.62	YES		
L0002861	0	0.17660E-07		39.5	3.49	4.00	1.62	YES		
	ŭ	1.1,0001 07		55.5	5.17	1.00		-20		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AFRMOD	View\Gre	enstone 2	vear\Gree	enstone 2	vear isc	***	01/20/22
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	E X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0002862	0	0.17660E-07 0.17660E-07	402199.2 402199.3		39.4 39.4	3.49	4.00	1.62 1.62	YES YES		

	_							_		
L0002864	0		402199.3 3754137.3	39.4	3.49	4.00	1.62	YES		
L0002865	0	0.17660E-07		39.3	3.49	4.00	1.62	YES		
L0002866	0	0.17660E-07		39.3	3.49	4.00	1.62	YES		
L0002867	0		402199.4 3754111.5	39.3	3.49	4.00	1.62	YES		
L0002868	0	0.17660E-07		39.3	3.49	4.00	1.62	YES		
L0002869	0	0.17660E-07		39.4	3.49	4.00	1.62	YES		
L0002870	0	0.17660E-07	402199.5 3754085.8	39.4	3.49	4.00	1.62	YES		
L0002871	0	0.17660E-07	402199.5 3754077.2	39.5	3.49	4.00	1.62	YES		
L0002872	0	0.17660E-07	402199.5 3754068.6	39.5	3.49	4.00	1.62	YES		
L0002873	0	0.17660E-07	402199.5 3754060.0	39.5	3.49	4.00	1.62	YES		
L0002874	0	0.17660E-07	402199.6 3754051.4	39.6	3.49	4.00	1.62	YES		
L0002875	0	0.17660E-07	402199.6 3754042.8	39.5	3.49	4.00	1.62	YES		
L0002876	0	0.17660E-07	402199.6 3754034.2	39.4	3.49	4.00	1.62	YES		
L0002877	0	0.17660E-07	402199.6 3754025.6	39.3	3.49	4.00	1.62	YES		
L0002878	0	0.17660E-07	402199.7 3754017.1	39.3	3.49	4.00	1.62	YES		
L0002879	0	0.17660E-07	402199.7 3754008.5	39.2	3.49	4.00	1.62	YES		
L0002880	0	0.17660E-07	402199.7 3753999.9	39.1	3.49	4.00	1.62	YES		
L0002881	0	0.17660E-07	402199.8 3753991.3	39.0	3.49	4.00	1.62	YES		
L0002882	0	0.17660E-07	402199.8 3753982.7	38.9	3.49	4.00	1.62	YES		
L0002883	0	0.17660E-07		38.7	3.49	4.00	1.62	YES		
L0002884	0		402199.8 3753965.5	38.6	3.49	4.00	1.62	YES		
L0002885	0	0.17660E-07		38.5	3.49	4.00	1.62	YES		
L0002886	0	0.17660E-07		38.4	3.49	4.00	1.62	YES		
L0002887	0	0.17660E-07	402199.9 3753939.8	38.3	3.49	4.00	1.62	YES		
L0002888	0	0.17660E-07		38.3	3.49	4.00	1.62	YES		
L0002889	0	0.17660E-07	402200.0 3753922.6	38.2	3.49	4.00	1.62	YES		
L0002890	0	0.17660E-07		38.2	3.49	4.00	1.62	YES		
L0002891	0	0.17660E-07		38.2	3.49	4.00	1.62	YES		
L0002892	0	0.17660E-07		38.1	3.49	4.00	1.62	YES		
L0002893	0	0.17660E-07		38.0	3.49	4.00	1.62	YES		
L0002894	0	0.17660E-07		38.1	3.49	4.00	1.62	YES		
L0002895	0		402218.7 3753886.8	38.3	3.49	4.00	1.62	YES		
L0002896	0	0.17660E-07		38.5	3.49	4.00	1.62	YES		
L0002897	0		402235.9 3753886.8	38.7	3.49	4.00	1.62	YES		
L0002898	0		402244.5 3753886.8	38.8	3.49	4.00	1.62	YES		
L0002899	0	0.17660E-07		39.0	3.49	4.00	1.62	YES		
L0002900	0	0.17660E-07	402261.7 3753886.8	39.1	3.49	4.00	1.62	YES		
L0002901	0	0.17660E-07	402270.3 3753886.9	39.2	3.49	4.00	1.62	YES		
10002701	O	0.170000 07	102270.5 5755000.5	33.2	3.15	1.00	1.02	1110		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	vear\Gree	enstone 2	vear isc	***	01/20/22
*** AERMET -			*** 19471 Greenstone	•		- '		7001.100	***	16:00:20
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*** MODELOPT	's: Re	aDFAULT CONC	ELEV URBAN ADJ_U*							11102 10
	_ 100		,							

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE
SOURCE PART. (GRAMS/SEC) X Y ELEV. HEIGHT SY SZ SOURCE SCALAR VARY
ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS) (METERS)

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L0002902	0	0.17660E-07	402278.9 3753886.9	39.4	3.49	4.00	1.62	YES	
L0002903	0	0.17660E-07	402287.5 3753886.9	39.6	3.49	4.00	1.62	YES	
L0002904	0	0.17660E-07	402296.1 3753886.9	39.7	3.49	4.00	1.62	YES	
L0002905	0	0.17660E-07	402304.6 3753886.9	39.8	3.49	4.00	1.62	YES	
L0002906	0	0.17660E-07	402313.2 3753886.9	39.8	3.49	4.00	1.62	YES	
L0002907	0	0.17660E-07	402321.8 3753886.9	40.0	3.49	4.00	1.62	YES	
L0002908	0	0.17660E-07	402330.4 3753886.9	40.3	3.49	4.00	1.62	YES	
L0002909	0	0.17660E-07	402339.0 3753887.0	40.5	3.49	4.00	1.62	YES	
L0002910	0	0.17660E-07	402347.6 3753887.0	40.6	3.49	4.00	1.62	YES	
L0002911	0	0.17660E-07	402356.2 3753887.0	40.8	3.49	4.00	1.62	YES	
L0002912	0	0.17660E-07	402364.8 3753887.0	41.0	3.49	4.00	1.62	YES	
L0002913	0	0.17660E-07	402373.4 3753887.0	41.1	3.49	4.00	1.62	YES	
L0002914	0	0.17660E-07	402382.0 3753887.0	41.2	3.49	4.00	1.62	YES	
L0002915	0	0.17660E-07	402390.5 3753887.0	41.3	3.49	4.00	1.62	YES	
L0002916	0	0.17660E-07	402399.1 3753887.0	41.5	3.49	4.00	1.62	YES	
L0002917	0	0.17660E-07	402407.7 3753887.1	41.7	3.49	4.00	1.62	YES	
L0002918	0	0.17660E-07	402416.3 3753887.1	41.9	3.49	4.00	1.62	YES	
L0002919	0	0.17660E-07	402424.9 3753887.1	41.9	3.49	4.00	1.62	YES	
L0002920	0	0.17660E-07	402433.5 3753887.1	42.0	3.49	4.00	1.62	YES	
L0002921	0	0.17660E-07	402442.1 3753887.1	42.0	3.49	4.00	1.62	YES	
L0002922	0	0.17660E-07	402450.7 3753887.1	42.0	3.49	4.00	1.62	YES	
L0002923	0	0.17660E-07	402459.1 3753886.3	42.0	3.49	4.00	1.62	YES	
L0002924	0	0.17660E-07	402465.7 3753881.5	41.9	3.49	4.00	1.62	YES	
L0002925	0	0.17660E-07	402467.9 3753873.3	41.8	3.49	4.00	1.62	YES	
L0002926	0	0.17660E-07	402468.8 3753864.7	41.7	3.49	4.00	1.62	YES	
L0002927	0	0.17660E-07	402468.9 3753856.1	41.7	3.49	4.00	1.62	YES	
L0002928	0	0.17660E-07	402468.9 3753847.5	41.6	3.49	4.00	1.62	YES	
L0002929	0	0.17660E-07	402468.9 3753839.0	41.6	3.49	4.00	1.62	YES	
L0002930	0	0.17660E-07	402468.9 3753830.4	41.6	3.49	4.00	1.62	YES	
L0002931	0	0.17660E-07	402468.9 3753821.8	41.6	3.49	4.00	1.62	YES	
L0002932	0	0.17660E-07	402468.9 3753813.2	41.6	3.49	4.00	1.62	YES	
L0002933	0	0.17660E-07	402469.0 3753804.6	41.6	3.49	4.00	1.62	YES	
L0002934	0	0.17660E-07	402469.0 3753796.0	41.5	3.49	4.00	1.62	YES	
L0002935	0	0.17660E-07	402469.0 3753787.4	41.5	3.49	4.00	1.62	YES	
L0002936	0	0.17660E-07	402469.0 3753778.8	41.5	3.49	4.00	1.62	YES	
L0002937	0	0.17660E-07	402469.0 3753770.2	41.5	3.49	4.00	1.62	YES	
L0002938	0	0.17660E-07	402469.0 3753761.6	41.4	3.49	4.00	1.62	YES	
L0002939	0	0.17660E-07	402469.0 3753753.1	41.4	3.49	4.00	1.62	YES	
L0002940	0	0.17660E-07	402469.0 3753744.5	41.3	3.49	4.00	1.62	YES	
L0002941	0	0.17660E-07	402469.1 3753735.9	41.3	3.49	4.00	1.62	YES	
*** A EDMOD	TURDUTON	71110 ***	*** C:\I aleag\ NEDMOD	77 : or 1\ Croo	onatono 2	**************************************	onatono 2	****** 1 4 4	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

SOURCE ID	PART.	(GRAMS/SEC)		Y (METERS)	ELEV.	HEIGHT	SY (METERS)	SZ (METERS)	SOURCE	SCALAR BY	VARY	
L0002942	0	0.17660E-07				3.49	4.00	1.62	YES			
L0002943	0	0.17660E-07				3.49	4.00	1.62	YES			
L0002944	0	0.17660E-07			41.1	3.49	4.00	1.62	YES			
L0002945	0	0.17660E-07	402469.1	3753701.5	41.0	3.49	4.00	1.62	YES			
L0002946	0	0.17660E-07	402469.1	3753692.9	40.9	3.49	4.00	1.62	YES			
L0002947	0	0.17660E-07	402469.1	3753684.3	40.9	3.49	4.00	1.62	YES			
L0002948	0	0.17660E-07	402469.1	3753675.7	40.8	3.49	4.00	1.62	YES			
L0002949	0	0.17660E-07	402469.2	3753667.2	40.7	3.49	4.00	1.62	YES			
L0002950	0	0.17660E-07	402469.2	3753658.6	40.6	3.49	4.00	1.62	YES			
L0002951	0	0.17660E-07	402469.2	3753650.0	40.5	3.49	4.00	1.62	YES			
L0002952	0	0.17660E-07	402469.2	3753641.4	40.4	3.49	4.00	1.62	YES			
L0002953	0	0.17660E-07	402469.2	3753632.8	40.3	3.49	4.00	1.62	YES			
L0002954	0	0.17660E-07	402469.2	3753624.2	40.2	3.49	4.00	1.62	YES			
L0002955	0	0.17660E-07	402469.2	3753615.6	40.1	3.49	4.00	1.62	YES			
L0002956	0	0.17660E-07	402469.2	3753607.0	40.0	3.49	4.00	1.62	YES			
L0002957	0	0.17660E-07			39.9	3.49	4.00	1.62	YES			
L0002958	0	0.17660E-07			39.8	3.49	4.00	1.62	YES			
L0002959	0	0.17660E-07			39.6	3.49	4.00	1.62	YES			
L0002960	0	0.17660E-07			39.5	3.49	4.00	1.62	YES			
L0002961	0	0.17660E-07			39.4	3.49	4.00	1.62	YES			
L0002962	0	0.17660E-07			39.3	3.49	4.00	1.62	YES			
L0002963	0	0.17660E-07			39.1	3.49	4.00	1.62	YES			
L0002964	0	0.17660E-07			39.0	3.49	4.00	1.62	YES			
L0002965	0	0.17660E-07			38.9	3.49	4.00	1.62	YES			
L0002966	0	0.17660E-07			38.7	3.49	4.00	1.62	YES			
L0002967	0	0.17660E-07			38.4	3.49	4.00	1.62	YES			
L0002968	0	0.17660E-07			38.2	3.49	4.00	1.62	YES			
L0002969	0	0.17660E-07			38.0	3.49	4.00	1.62	YES			
L0002970	0	0.88610E-08			32.9	3.49	4.00	1.62	YES			
L0002971	0	0.88610E-08			32.9	3.49	4.00	1.62	YES			
L0002972	0	0.88610E-08			32.9	3.49	4.00	1.62	YES			
L0002972	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002973	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002974 L0002975	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002975 L0002976	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002977	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002978	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002979	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002980	0	0.88610E-08			32.8	3.49	4.00	1.62	YES			
L0002981	0	0.88610E-08	400947.0	3/53485.6	32.8	3.49	4.00	1.62	YES			
*** AERMOD - \	ZERSION	21112 ***	*** C:\Ta	kes\AERMOT) View\Gr	eenstone :	2 vear\Gre	eenstone 2	vear.is	C	***	01/20/22
*** AERMET - V									,	-	***	16:00:20
*** MODEL OPE		-DENIE GONG										PAGE 12

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.		X	Y (METERS)			INIT. SY (METERS)	INIT. SZ (METERS)		EMISSION RATE SCALAR VARY BY	
L0002982	0	0.88610E-08	400955.6	3753485.6	32.8	3.49	4.00	1.62	YES		
L0002983	0	0.88610E-08				3.49	4.00	1.62	YES		
L0002984	0	0.88610E-08				3.49	4.00	1.62	YES		
L0002985	0	0.88610E-08			32.8	3.49	4.00	1.62	YES		
L0002986	0	0.88610E-08			32.8	3.49	4.00	1.62	YES		
L0002987	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002988	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002989	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002990	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002991	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002992	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002993	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002994	0	0.88610E-08	401058.6	3753486.0	32.7	3.49	4.00	1.62	YES		
L0002995	0	0.88610E-08			32.7	3.49	4.00	1.62	YES		
L0002996	0	0.88610E-08	401075.8	3753486.1	32.7	3.49	4.00	1.62	YES		
L0002997	0	0.88610E-08	401084.4	3753486.1	32.7	3.49	4.00	1.62	YES		
L0002998	0	0.88610E-08	401093.0	3753486.2	32.6	3.49	4.00	1.62	YES		
L0002999	0	0.88610E-08	401101.6	3753486.2	32.6	3.49	4.00	1.62	YES		
L0003000	0	0.88610E-08	401110.2	3753486.2	32.6	3.49	4.00	1.62	YES		
L0003001	0	0.88610E-08	401118.8	3753486.3	32.5	3.49	4.00	1.62	YES		
L0003002	0	0.88610E-08	401127.4	3753486.3	32.5	3.49	4.00	1.62	YES		
L0003003	0	0.88610E-08	401135.9	3753486.3	32.5	3.49	4.00	1.62	YES		
L0003004	0	0.88610E-08	401144.5	3753486.4	32.5	3.49	4.00	1.62	YES		
L0003005	0	0.88610E-08	401153.1	3753486.4	32.6	3.49	4.00	1.62	YES		
L0003006	0	0.88610E-08	401161.7	3753486.4	32.5	3.49	4.00	1.62	YES		
L0003007	0	0.88610E-08	401170.3	3753486.5	32.5	3.49	4.00	1.62	YES		
L0003008	0	0.88610E-08	401178.9	3753486.5	32.4	3.49	4.00	1.62	YES		
L0003009	0	0.88610E-08	401187.5	3753486.5	32.4	3.49	4.00	1.62	YES		
L0003010	0	0.88610E-08	401196.1	3753486.6	32.4	3.49	4.00	1.62	YES		
L0003011	0	0.88610E-08	401204.7	3753486.6	32.3	3.49	4.00	1.62	YES		
L0003012	0	0.88610E-08	401213.3	3753486.6	32.3	3.49	4.00	1.62	YES		
L0003013	0	0.88610E-08	401221.8	3753486.7	32.3	3.49	4.00	1.62	YES		
L0003014	0	0.88610E-08	401230.4	3753486.7	32.4	3.49	4.00	1.62	YES		
L0003015	0	0.88610E-08	401239.0	3753486.7	32.3	3.49	4.00	1.62	YES		
L0003016	0	0.88610E-08	401247.6	3753486.8	32.3	3.49	4.00	1.62	YES		
L0003017	0	0.88610E-08	401256.2	3753486.8	32.2	3.49	4.00	1.62	YES		
L0003018	0	0.88610E-08	401264.8	3753486.8	32.2	3.49	4.00	1.62	YES		
L0003019	0	0.88610E-08			32.3	3.49	4.00	1.62	YES		
L0003020	0	0.88610E-08	401282.0	3753486.9	32.4	3.49	4.00	1.62	YES		
L0003021	0	0.88610E-08	401290.6	3753486.9	32.4	3.49	4.00	1.62	YES		
*** AERMOD	- VERSION	21112 ***	*** C:\La	kes\AERMOI	View\Gr	eenstone	2 year\Gre	eenstone 2	year.is	sc *** 01/20	/22
		16216 ***								*** 16:00	
										PAGE	

	NUMBER	EMISSION RAT	Ε		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
T 0.002.000	0	0.006100.00	401000 0	2752407 0	20.4	2 40	4 00	1 60	T/DC	
L0003022	0	0.88610E-08					4.00	1.62	YES	
L0003023	0	0.88610E-08					4.00	1.62	YES	
L0003024	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003025	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003026 L0003027	0	0.88610E-08 0.88610E-08				3.49 3.49	4.00	1.62 1.62	YES YES	
L0003027 L0003028	0 0	0.88610E-08					4.00	1.62	YES	
		0.88610E-08			32.2	3.49			YES	
L0003029 L0003030	0 0	0.88610E-08			32.2	3.49	4.00	1.62 1.62	YES	
	0	0.88610E-08				3.49	4.00	1.62		
L0003031 L0003032	0	0.88610E-08				3.49	4.00	1.62	YES YES	
L0003032	0	0.88610E-08					4.00	1.62	YES	
L0003033	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003034	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003035	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003036	0	0.88610E-08			32.4		4.00	1.62	YES	
L0003037	0	0.88610E-08			32.7		4.00	1.62	YES	
L0003038	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003039	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003010	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003041	0	0.88610E-08			33.2		4.00	1.62	YES	
L0003012	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003044	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003011	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003046	0	0.88610E-08			33.5	3.49	4.00	1.62	YES	
L0003047	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003048	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003049	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003050	0	0.88610E-08			33.7		4.00	1.62	YES	
L0003051	0	0.88610E-08	401548.3	3753487.9	33.8	3.49	4.00	1.62	YES	
L0003052	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003053	0	0.88610E-08	401565.4	3753488.0	33.9	3.49	4.00	1.62	YES	
L0003054	0	0.88610E-08	401574.0	3753488.0	34.0	3.49	4.00	1.62	YES	
L0003055	0	0.88610E-08	401582.6	3753488.1	34.1	3.49	4.00	1.62	YES	
L0003056	0	0.88610E-08	401591.2	3753488.1		3.49	4.00	1.62	YES	
L0003057	0	0.88610E-08	401599.8	3753488.1	34.3	3.49	4.00	1.62	YES	
L0003058	0	0.88610E-08	401608.4	3753488.2	34.4	3.49	4.00	1.62	YES	
L0003059	0	0.88610E-08	401617.0	3753488.2	34.4	3.49	4.00	1.62	YES	
	0 0	0.88610E-08	401625.6	3753488.2	34.5	3.49	4.00	1.62	YES	
L0003061	0	0.88610E-08	401634.2	3753488.3	34.6	3.49	4.00	1.62	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

GOUDGE		EMISSION RATI		77	BASE	RELEASE	INIT.	INIT.		EMISSION RATE
SOURCE ID	PART.	(GRAMS/SEC)	(MEDED C.)	Y	ELEV.	HEIGHT	SY	SZ (MERED C.)		SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)		(METERS)			ВУ
L0003062	0	0.88610E-08	401642.8	3753488.3	34.6	3.49	4.00	1.62	YES	
L0003063	0	0.88610E-08	401651.3	3753488.3	34.7	3.49	4.00	1.62	YES	
L0003064	0	0.88610E-08	401659.9	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003065	0	0.88610E-08	401668.5	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003066	0	0.88610E-08	401677.1	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003067	0	0.88610E-08	401685.7	3753488.5	34.7	3.49	4.00	1.62	YES	
L0003068	0	0.88610E-08	401694.3	3753488.5	34.7	3.49	4.00	1.62	YES	
L0003069	0	0.88610E-08	401702.9	3753488.5	34.6	3.49	4.00	1.62	YES	
L0003070	0	0.88610E-08	401711.5	3753488.6	34.6	3.49	4.00	1.62	YES	
L0003071	0	0.88610E-08	401720.1	3753488.6	34.6	3.49	4.00	1.62	YES	
L0003072	0	0.88610E-08	401728.6	3753488.7	34.6	3.49	4.00	1.62	YES	
L0003073	0	0.88610E-08	401737.2	3753488.7	34.7	3.49	4.00	1.62	YES	
L0003074	0	0.88610E-08	401745.8	3753488.7	34.7	3.49	4.00	1.62	YES	
L0003075	0	0.88610E-08	401754.4	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003076	0	0.88610E-08	401763.0	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003077	0	0.88610E-08	401771.6	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003078	0	0.88610E-08	401780.2	3753488.9	34.6	3.49	4.00	1.62	YES	
L0003079	0	0.88610E-08	401788.8	3753488.9	34.6	3.49	4.00	1.62	YES	
L0003080	0	0.88610E-08	401797.4	3753488.9	34.5	3.49	4.00	1.62	YES	
L0003081	0	0.88610E-08	401806.0	3753489.0	34.4	3.49	4.00	1.62	YES	
L0003082	0	0.88610E-08	401814.5	3753489.0	34.3	3.49	4.00	1.62	YES	
L0003083	0	0.88610E-08	401823.1	3753489.0	34.2	3.49	4.00	1.62	YES	
L0003084	0	0.88610E-08	401831.7	3753489.1	34.1	3.49	4.00	1.62	YES	
L0003085	0	0.88610E-08	401840.3	3753489.1	34.0	3.49	4.00	1.62	YES	
L0003086	0	0.88610E-08	401848.9	3753489.1	33.9	3.49	4.00	1.62	YES	
L0003087	0	0.88610E-08	401857.5	3753489.2	33.8	3.49	4.00	1.62	YES	
L0003088	0	0.88610E-08	401866.1	3753489.2	33.7	3.49	4.00	1.62	YES	
L0003089	0	0.88610E-08	401874.7	3753489.2	33.6	3.49	4.00	1.62	YES	
L0003090	0	0.88610E-08	401883.3	3753489.3	33.5	3.49	4.00	1.62	YES	
L0003091	0	0.88610E-08	401891.9	3753489.3	33.3	3.49	4.00	1.62	YES	
L0003092	0	0.88610E-08	401900.4	3753489.3	33.2	3.49	4.00	1.62	YES	
L0003093	0	0.88610E-08	401909.0	3753489.4	33.0	3.49	4.00	1.62	YES	
L0003094	0	0.88610E-08	401917.6	3753489.4	32.8	3.49	4.00	1.62	YES	
L0003095	0	0.88610E-08	401926.2	3753489.4	32.8	3.49	4.00	1.62	YES	
L0003096	0	0.88610E-08	401934.8	3753489.5	33.1	3.49	4.00	1.62	YES	
L0003097	0	0.88610E-08	401943.4	3753489.5	33.4	3.49	4.00	1.62	YES	
L0003098	0	0.88610E-08	401952.0	3753489.5	33.6	3.49	4.00	1.62	YES	
L0003099	0	0.88610E-08	401960.6	3753489.6	33.4	3.49	4.00	1.62	YES	

L0003100	0	0.88610E-08	401969.2 3753489.6	33.1 3.49	4.00 1.62	YES	
L0003101	0	0.88610E-08	401977.8 3753489.6	32.9 3.49	4.00 1.62	YES	
*** AERMOD -	- VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Greenstone	2 year\Greenstone	2 year.isc	***
*** AERMET -	- VERSION	16216 ***	*** 19471 Greenstone	DPM Conc Years	2023 and 2024		* * *

*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0003102		0.88610E-08					4.00	1.62	YES	
		0.88610E-08					4.00	1.62	YES	
L0003104	0	0.88610E-08					4.00	1.62	YES	
L0003105	0	0.88610E-08					4.00	1.62	YES	
L0003106	0	0.88610E-08					4.00	1.62	YES	
L0003107	0	0.88610E-08	402029.3	3753489.8	34.2	3.49	4.00	1.62	YES	
L0003108	0	0.88610E-08	402037.9	3753489.9	34.4	3.49	4.00	1.62	YES	
L0003109	0	0.88610E-08	402046.5	3753489.9	34.6	3.49	4.00	1.62	YES	
L0003110	0	0.88610E-08	402055.1	3753489.9	34.7	3.49	4.00	1.62	YES	
L0003111	0	0.88610E-08	402063.7	3753490.0	34.6	3.49	4.00	1.62	YES	
L0003112	0	0.88610E-08	402072.2	3753490.0	34.4	3.49	4.00	1.62	YES	
L0003113	0	0.88610E-08	402080.8	3753490.0	34.4	3.49	4.00	1.62	YES	
L0003114	0	0.88610E-08	402089.4	3753490.1	34.9	3.49	4.00	1.62	YES	
L0003115	0	0.88610E-08	402098.0	3753490.1			4.00	1.62	YES	
L0003116	0	0.88610E-08	402106.6	3753490.1	35.7	3.49	4.00	1.62	YES	
L0003117	0	0.88610E-08	402115.2	3753490.2			4.00	1.62	YES	
L0003118	0	0.88610E-08	402123.8	3753490.2	36.0	3.49	4.00	1.62	YES	
L0003119	0	0.88610E-08	402132.4	3753490.2	36.1	3.49	4.00	1.62	YES	
L0003120	0	0.88610E-08	402141.0	3753490.3	36.4	3.49	4.00	1.62	YES	
L0003121	0	0.88610E-08	402149.6	3753490.3	36.6	3.49	4.00	1.62	YES	
L0003122	0	0.88610E-08	402158.1	3753490.3	36.8	3.49	4.00	1.62	YES	
L0003123	0	0.88610E-08	402166.7	3753490.4	36.8	3.49	4.00	1.62	YES	
L0003124	0	0.88610E-08	402175.3	3753490.4	36.9	3.49	4.00	1.62	YES	
L0003125	0	0.88610E-08	402183.9	3753490.4			4.00	1.62	YES	
L0003126	0	0.88610E-08	402192.5	3753490.5	37.2	3.49	4.00	1.62	YES	
L0003127	0	0.88610E-08	402201.1	3753490.5	37.3	3.49	4.00	1.62	YES	
L0003128	0	0.88610E-08	402209.7	3753490.5	37.5	3.49	4.00	1.62	YES	
L0003129	0	0.88610E-08	402218.3	3753490.6	37.5	3.49	4.00	1.62	YES	
L0003130	0	0.88610E-08	402226.9	3753490.6	37.6	3.49	4.00	1.62	YES	
L0003131	0	0.88610E-08	402235.5	3753490.6	37.7	3.49	4.00	1.62	YES	
L0003132	0	0.88610E-08	402244.0	3753490.7			4.00	1.62	YES	
L0003133	0	0.88610E-08	402252.6	3753490.7			4.00	1.62	YES	
L0003134	0	0.88610E-08					4.00	1.62	YES	
	0	0.88610E-08			38.3	3.49	4.00	1.62	YES	
L0003136	0	0.88610E-08			38.4	3.49	4.00	1.62	YES	

L0003137 L0003138 L0003139 L0003140 L0003141	0 0 0 0	0.88610E-08 0.88610E-08 0.88610E-08 0.88610E-08 0.88610E-08	402287.0 3753490.9 402295.6 3753491.0 402304.2 3753491.2 402312.8 3753491.3 402321.4 3753491.4	38.4 38.4 38.4 38.4 38.4	3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62	YES YES YES YES YES		
*** AERMOD - *** AERMET -			*** C:\Lakes\AERMOD *** 19471 Greenstone	•		- '		year.isc	* * * * * *	01/20/22 16:00:20 PAGE 16

	NUMBER	EMISSION RAT	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID											
L0003142	0	0.88610E-08	402329.9	3753491.6	38.4	3.49			YES		
L0003143	0	0.88610E-08					4.00	1.62	YES		
L0003144	0	0.88610E-08					4.00	1.62	YES		
L0003145	0	0.88610E-08				3.49	4.00	1.62	YES		
L0003146	0	0.88610E-08				3.49	4.00	1.62	YES		
L0003147	0	0.88610E-08			38.4	3.49	4.00	1.62	YES		
L0003148	0	0.88610E-08	402381.4	3753490.4	38.4	3.49	4.00	1.62	YES		
L0003149	0	0.88610E-08	402390.0	3753490.0	38.3	3.49	4.00	1.62	YES		
L0003150	0	0.88610E-08	402398.6	3753489.5	38.4	3.49	4.00	1.62	YES		
L0003151	0	0.88610E-08	402407.1	3753488.2	38.4	3.49	4.00	1.62	YES		
L0003152	0	0.88610E-08	402415.6	3753487.0	38.4	3.49	4.00	1.62	YES		
L0003153	0	0.88610E-08	402424.1	3753485.8	38.4	3.49	4.00	1.62	YES		
L0003154	0	0.88610E-08	402432.6	3753484.6	38.3	3.49	4.00	1.62	YES		
L0003155	0	0.88610E-08	402441.1	3753483.3	38.2	3.49	4.00	1.62	YES		
L0003156	0	0.88610E-08	402449.6	3753481.9	38.0	3.49	4.00	1.62	YES		
L0003157	0	0.88610E-08	402458.0	3753480.4	37.9	3.49	4.00	1.62	YES		
L0003158	0	0.88610E-08	402466.5	3753479.0	37.7	3.49	4.00	1.62	YES		
L0003159	0	0.88610E-08	402475.0	3753477.8	37.6	3.49	4.00	1.62	YES		
L0003160	0	0.88610E-08	402483.5	3753476.8	37.5	3.49	4.00	1.62	YES		
L0003161	0	0.88610E-08	402492.1	3753475.7	37.4	3.49	4.00	1.62	YES		
L0003162	0	0.88610E-08	402500.6	3753474.6	37.4	3.49	4.00	1.62	YES		
	0	0.88610E-08	402509.1	3753473.5	37.3	3.49	4.00	1.62	YES		
L0003164	0	0.88610E-08	402517.6	3753472.4	37.2	3.49	4.00	1.62	YES		
	0	0.88610E-08	402526.1	3753471.1	37.1	3.49	4.00	1.62	YES		
	0	0.88610E-08	402534.6	3753469.9	37.0	3.49	4.00	1.62	YES		
L0003167	0	0.88610E-08	402543.1	3753468.6	36.9	3.49	4.00	1.62	YES		
L0003168	0	0.88610E-08	402551.6	3753467.4	36.8	3.49	4.00	1.62	YES		
	0	0.88610E-08	402560.2	3753466.9	36.6	3.49	4.00	1.62	YES		
	0	0.88610E-08	402568.8	3753466.4	36.5	3.49	4.00	1.62	YES		
	0	0.88610E-08		3753465.9		3.49	4.00	1.62	YES		
	0	0.88610E-08		3753465.3			4.00	1.62	YES		
	0			3753464.8	36.1	3.49	4.00	1.62	YES		

L0003174	0	0.88610E-08	402603.1 3753464.4	35.9	3.49	4.00	1.62	YES		
L0003175	0	0.88610E-08	402611.7 3753464.5	35.8	3.49	4.00	1.62	YES		
L0003176	0	0.88610E-08	402620.2 3753464.6	35.6	3.49	4.00	1.62	YES		
L0003177	0	0.88610E-08	402628.8 3753464.7	35.5	3.49	4.00	1.62	YES		
L0003178	0	0.88610E-08	402637.4 3753464.8	35.3	3.49	4.00	1.62	YES		
L0003179	0	0.88610E-08	402646.0 3753465.0	35.1	3.49	4.00	1.62	YES		
L0003180	0	0.88610E-08	402654.6 3753465.1	34.9	3.49	4.00	1.62	YES		
L0003181	0	0.88610E-08	402663.2 3753465.2	34.8	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	year\Gree	enstone 2	year.isc	***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 20	23 and 20	24		***	16:00:20
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	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
- 0000100	•		400674								
L0003182		0.88610E-08						1.62	YES		
L0003183		0.88610E-08				3.49	4.00	1.62	YES		
L0003184	0	0.88610E-08				3.49	4.00	1.62	YES		
L0003185	0			3753465.5		3.49	4.00	1.62	YES		
L0003186	0			3753465.6		3.49	4.00	1.62	YES		
L0003187	0			3753465.7		3.49	4.00	1.62	YES		
L0003188	0	0.88610E-08				3.49	4.00	1.62	YES		
L0003189	0	0.88610E-08	402731.9	3753465.8	33.1	3.49	4.00	1.62	YES		
L0003190	0	0.88610E-08	402740.5	3753465.9	33.0	3.49	4.00	1.62	YES		
L0003191	0	0.88610E-08	402749.1	3753466.0	32.8	3.49	4.00	1.62	YES		
L0003192	0	0.88610E-08	402757.7	3753466.0	32.6	3.49	4.00	1.62	YES		
L0003193	0	0.88610E-08	402766.3	3753466.1	32.5	3.49	4.00	1.62	YES		
L0003194	0	0.88610E-08	402774.9	3753466.2	32.3	3.49	4.00	1.62	YES		
L0003195	0	0.88610E-08	402783.4	3753466.3	32.2	3.49	4.00	1.62	YES		
L0003196	0	0.88610E-08	402792.0	3753466.3	32.0	3.49	4.00	1.62	YES		
L0003197	0	0.88610E-08	402800.6	3753466.4	31.9	3.49	4.00	1.62	YES		
L0003198	0	0.88610E-08	402809.2	3753466.5	31.8	3.49	4.00	1.62	YES		
L0003199	0	0.88610E-08	402817.8	3753466.6	31.6	3.49	4.00	1.62	YES		
L0003200	0	0.88610E-08	402826.4	3753466.6	31.4	3.49	4.00	1.62	YES		
L0003201	0	0.88610E-08	402835.0	3753466.7	31.3	3.49	4.00	1.62	YES		
L0003202	0	0.88610E-08	402843.6	3753466.8	31.2	3.49	4.00	1.62	YES		
L0003203	0		402852.2	3753466.9	31.1	3.49	4.00	1.62	YES		
L0003204	0	0.88610E-08	402860.8	3753467.0	31.0	3.49	4.00	1.62	YES		
L0003205	0			3753467.0		3.49	4.00	1.62	YES		
L0003206	0	0.88610E-08				3.49	4.00	1.62	YES		
L0003207	0	0.88610E-08			31.0	3.49	4.00	1.62	YES		
L0003207	0			3753467.3		3.49	4.00	1.62	YES		
	0			3753467.3		3.49	4.00	1.62	YES		
		0.88610E-08				3.49	4.00	1.62	YES		
10000010	O	0.000101 00	102712.3	3,3310,.4	50.9	3.19	1.00	1.02	1110		

L0003211	0	0.88610E-08	402920.9 3753467.5	30.9	3.49	4.00	1.62	YES		
L0003212	0	0.88610E-08	402929.5 3753467.6	30.9	3.49	4.00	1.62	YES		
L0003213	0	0.88610E-08	402938.1 3753467.6	30.9	3.49	4.00	1.62	YES		
L0003214	0	0.88610E-08	402946.7 3753467.7	30.9	3.49	4.00	1.62	YES		
L0003215	0	0.88610E-08	402955.2 3753467.8	30.8	3.49	4.00	1.62	YES		
L0003216	0	0.88610E-08	402963.8 3753467.9	30.7	3.49	4.00	1.62	YES		
L0003217	0	0.88610E-08	402972.4 3753467.9	30.6	3.49	4.00	1.62	YES		
L0003218	0	0.88610E-08	402981.0 3753468.0	30.5	3.49	4.00	1.62	YES		
L0003219	0	0.88610E-08	402989.6 3753468.1	30.5	3.49	4.00	1.62	YES		
L0003220	0	0.88610E-08	402998.2 3753468.2	30.5	3.49	4.00	1.62	YES		
L0003221	0	0.88610E-08	403006.8 3753468.3	30.5	3.49	4.00	1.62	YES		
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*** AERMOD -			*** C:\Lakes\AERMOD			-		year.1sc		01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenston	e DPM Con	c Years 20	023 and 20	024		***	16:00:20
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	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
		0.88610E-08					4.00	1.62	YES	
		0.88610E-08					4.00	1.62	YES	
L0003224		0.88610E-08					4.00	1.62	YES	
	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003226		0.88610E-08				3.49	4.00	1.62	YES	
L0003227	0	0.88610E-08	403058.3	3753468.7	30.4	3.49	4.00	1.62	YES	
	0	0.88610E-08	403066.9	3753468.8	30.4	3.49	4.00	1.62	YES	
L0003229	0	0.88610E-08	403075.5	3753468.9	30.4	3.49	4.00	1.62	YES	
L0003230	0	0.88610E-08	403084.1	3753468.9	30.4	3.49	4.00	1.62	YES	
L0003231	0	0.88610E-08	403092.7	3753469.0	30.4	3.49	4.00	1.62	YES	
L0003232	0	0.88610E-08	403101.3	3753469.1	30.4	3.49	4.00	1.62	YES	
L0003233	0	0.88610E-08	403109.9	3753469.2	30.4	3.49	4.00	1.62	YES	
L0003234	0	0.88610E-08	403118.4	3753469.2	30.4	3.49	4.00	1.62	YES	
L0003235	0	0.88610E-08	403127.0	3753469.3	30.4	3.49	4.00	1.62	YES	
L0003236	0	0.88610E-08	403135.6	3753469.4	30.4	3.49	4.00	1.62	YES	
L0003237	0	0.88610E-08	403144.2	3753469.5	30.4	3.49	4.00	1.62	YES	
L0003238	0	0.88610E-08	403152.8	3753469.5	30.4	3.49	4.00	1.62	YES	
L0003239	0	0.88610E-08	403161.4	3753469.6	30.4	3.49	4.00	1.62	YES	
L0003240	0	0.88610E-08	403170.0	3753469.7	30.5	3.49	4.00	1.62	YES	
L0003241	0	0.88610E-08	403178.6	3753469.8	30.5	3.49	4.00	1.62	YES	
L0003242	0	0.88610E-08	403187.2	3753469.9	30.5	3.49	4.00	1.62	YES	
L0003243	0	0.88610E-08	403195.8	3753469.9	30.4	3.49	4.00	1.62	YES	
L0003244	0	0.88610E-08	403204.3	3753470.0	30.4	3.49	4.00	1.62	YES	
	0	0.88610E-08				3.49	4.00	1.62	YES	
L0003246	0	0.88610E-08					4.00	1.62	YES	
	0				30.3	3.49	4.00	1.62	YES	

L0003248	0	0.88610E-08	403238.7 3753470.3	30.4	3.49	4.00	1.62	YES		
L0003249	0	0.88610E-08	403247.3 3753470.4	30.4	3.49	4.00	1.62	YES		
L0003250	0	0.88610E-08	403255.9 3753470.5	30.5	3.49	4.00	1.62	YES		
L0003251	0	0.88110E-08	400847.0 3755482.3	41.8	3.49	4.00	1.62	YES		
L0003252	0	0.88110E-08	400855.6 3755482.3	41.7	3.49	4.00	1.62	YES		
L0003253	0	0.88110E-08	400864.2 3755482.3	41.6	3.49	4.00	1.62	YES		
L0003254	0	0.88110E-08	400872.8 3755482.3	41.6	3.49	4.00	1.62	YES		
L0003255	0	0.88110E-08	400881.4 3755482.3	41.8	3.49	4.00	1.62	YES		
L0003256	0	0.88110E-08	400890.0 3755482.3	41.9	3.49	4.00	1.62	YES		
L0003257	0	0.88110E-08	400898.5 3755482.3	42.0	3.49	4.00	1.62	YES		
L0003258	0	0.88110E-08	400907.1 3755482.3	42.0	3.49	4.00	1.62	YES		
L0003259	0	0.88110E-08	400915.7 3755482.3	42.0	3.49	4.00	1.62	YES		
L0003260	0	0.88110E-08	400924.3 3755482.3	42.1	3.49	4.00	1.62	YES		
L0003261	0	0.88110E-08	400932.9 3755482.3	42.0	3.49	4.00	1.62	YES		
*** AERMOD -	- VERSION	I 21112 ***	*** C:\Lakes\AERMOD	View\ Cre	enstone 2	wear\ Cre	enstone 2	vear ica	* * *	01/20/22
*** AERMOD -			*** 19471 Greenstone			-		year.180	***	16:00:20
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	NUMBER	EMISSION RATI	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
		0.88110E-08					4.00	1.62	YES	
	0	0.88110E-08	400950.1	3755482.3	42.2	3.49	4.00	1.62	YES	
L0003264	0	0.88110E-08	400958.7	3755482.3	42.3	3.49	4.00	1.62	YES	
L0003265	0	0.88110E-08	400967.3	3755482.3	42.5	3.49	4.00	1.62	YES	
L0003266	0	0.88110E-08	400975.9	3755482.3	42.6	3.49	4.00	1.62	YES	
L0003267	0	0.88110E-08	400984.4	3755482.3	42.6	3.49	4.00	1.62	YES	
L0003268	0	0.88110E-08	400993.0	3755482.3	42.6	3.49	4.00	1.62	YES	
L0003269	0	0.88110E-08	401001.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003270	0	0.88110E-08	401010.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003271	0	0.88110E-08	401018.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003272	0	0.88110E-08	401027.4	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003273	0	0.88110E-08	401036.0	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003274	0	0.88110E-08	401044.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003275	0	0.88110E-08	401053.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003276	0	0.88110E-08	401061.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003277	0	0.88110E-08	401070.3	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003278	0	0.88110E-08	401078.9	3755482.3	42.7	3.49	4.00	1.62	YES	
L0003279	0	0.88110E-08	401087.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003280	0	0.88110E-08	401096.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003281	0	0.88110E-08	401104.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0003282	0	0.88110E-08	401113.3	3755482.3	43.0	3.49	4.00	1.62	YES	
L0003283	0	0.88110E-08	401121.9	3755482.3	43.1	3.49	4.00	1.62	YES	
		0.88110E-08	401130.5	3755482.3	43.1	3.49	4.00	1.62	YES	

L0003285	0	0.88110E-08	401139.1 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003286	0	0.88110E-08	401147.7 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003287	0	0.88110E-08	401156.2 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003288	0	0.88110E-08	401164.8 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003289	0	0.88110E-08	401173.4 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003290	0	0.88110E-08	401182.0 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003291	0	0.88110E-08	401190.6 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003292	0	0.88110E-08	401199.2 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003293	0	0.88110E-08	401207.8 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003294	0	0.88110E-08	401216.4 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003295	0	0.88110E-08	401225.0 3755482.3	43.1	3.49	4.00	1.62	YES	
L0003296	0	0.88110E-08	401233.6 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003297	0	0.88110E-08	401242.1 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003298	0	0.88110E-08	401250.7 3755482.3	42.9	3.49	4.00	1.62	YES	
L0003299	0	0.88110E-08	401259.3 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003300	0	0.88110E-08	401267.9 3755482.3	43.0	3.49	4.00	1.62	YES	
L0003301	0	0.88110E-08	401276.5 3755482.3	43.1	3.49	4.00	1.62	YES	
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone 2	vear\Gree	enstone 2	vear.isc	***

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003302	0	0.88110E-08	401285.1	3755482.3	43.1	3.49	4.00	1.62	YES	
L0003303	0	0.88110E-08	401293.7	3755482.3	43.2	3.49	4.00	1.62	YES	
L0003304	0	0.88110E-08	401302.3	3755482.3	43.2	3.49	4.00	1.62	YES	
L0003305	0	0.88110E-08	401310.9	3755482.3	43.3	3.49	4.00	1.62	YES	
L0003306	0	0.88110E-08	401319.5	3755482.3	43.3	3.49	4.00	1.62	YES	
L0003307	0	0.88110E-08	401328.0	3755482.3	43.4	3.49	4.00	1.62	YES	
L0003308	0	0.88110E-08	401336.6	3755482.3	43.3	3.49	4.00	1.62	YES	
L0003309	0	0.88110E-08	401345.2	3755482.3	43.1	3.49	4.00	1.62	YES	
L0003310	0	0.88110E-08	401353.8	3755482.3	43.0	3.49	4.00	1.62	YES	
L0003311	0	0.88110E-08	401362.4	3755482.3	43.0	3.49	4.00	1.62	YES	
L0003312	0	0.88110E-08	401371.0	3755482.3	43.0	3.49	4.00	1.62	YES	
L0003313	0	0.88110E-08	401379.6	3755482.3	42.9	3.49	4.00	1.62	YES	
L0003314	0	0.88110E-08	401388.2	3755482.3	42.9	3.49	4.00	1.62	YES	
L0003315	0	0.88110E-08	401396.8	3755482.3	42.9	3.49	4.00	1.62	YES	
L0003316	0	0.88110E-08	401405.4	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003317	0	0.88110E-08	401413.9	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003318	0	0.88110E-08	401422.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003319	0	0.88110E-08	401431.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0003320	0	0.88110E-08	401439.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0003321	0	0.88110E-08	401448.3	3755482.3	43.0	3.49	4.00	1.62	YES	

L0003322	0	0.88110E-08	401456.9 3755482.3	43.0	3.49	4.00	1.62	YES		
L0003323	0	0.88110E-08	401465.5 3755482.6	42.9	3.49	4.00	1.62	YES		
L0003324	0	0.88110E-08	401474.0 3755483.7	42.8	3.49	4.00	1.62	YES		
L0003325	0	0.88110E-08	401482.5 3755484.7	42.7	3.49	4.00	1.62	YES		
L0003326	0	0.88110E-08	401491.0 3755485.8	42.8	3.49	4.00	1.62	YES		
L0003327	0	0.88110E-08	401499.6 3755486.9	42.9	3.49	4.00	1.62	YES		
L0003328	0	0.88110E-08	401508.1 3755487.9	42.9	3.49	4.00	1.62	YES		
L0003329	0	0.88110E-08	401516.6 3755489.0	43.0	3.49	4.00	1.62	YES		
L0003330	0	0.88110E-08	401525.2 3755489.3	43.0	3.49	4.00	1.62	YES		
L0003331	0	0.88110E-08	401533.8 3755489.5	43.1	3.49	4.00	1.62	YES		
L0003332	0	0.88110E-08	401542.4 3755489.7	43.1	3.49	4.00	1.62	YES		
L0003333	0	0.88110E-08	401551.0 3755489.9	43.2	3.49	4.00	1.62	YES		
L0003334	0	0.88110E-08	401559.5 3755490.2	43.3	3.49	4.00	1.62	YES		
L0003335	0	0.88110E-08	401568.1 3755490.4	43.5	3.49	4.00	1.62	YES		
L0003336	0	0.88110E-08	401576.7 3755490.6	43.7	3.49	4.00	1.62	YES		
L0003337	0	0.88110E-08	401585.3 3755490.8	43.8	3.49	4.00	1.62	YES		
L0003338	0	0.88110E-08	401593.9 3755491.0	43.9	3.49	4.00	1.62	YES		
L0003339	0	0.88110E-08	401602.5 3755491.3	44.0	3.49	4.00	1.62	YES		
L0003340	0	0.88110E-08	401611.1 3755491.5	44.2	3.49	4.00	1.62	YES		
L0003341	0	0.88110E-08	401619.6 3755491.7	44.2	3.49	4.00	1.62	YES		
*** AERMOD -			*** C:\Lakes\AERMOD	•		- '		year.isc	***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 20)23 and 20	24		***	16:00:20
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003342	0	0.88110E-08	401628.2	3755491.5	44.2	3.49	4.00	1.62	YES	
L0003343	0	0.88110E-08	401636.8	3755491.1	44.2	3.49	4.00	1.62	YES	
L0003344	0	0.88110E-08	401645.4	3755490.7	44.2	3.49	4.00	1.62	YES	
L0003345	0	0.88110E-08	401654.0	3755490.3	44.2	3.49	4.00	1.62	YES	
L0003346	0	0.88110E-08	401662.6	3755489.9	44.2	3.49	4.00	1.62	YES	
L0003347	0	0.88110E-08	401671.1	3755489.5	44.4	3.49	4.00	1.62	YES	
L0003348	0	0.88110E-08	401679.7	3755489.1	44.6	3.49	4.00	1.62	YES	
L0003349	0	0.88110E-08	401688.3	3755488.7	44.7	3.49	4.00	1.62	YES	
L0003350	0	0.88110E-08	401696.9	3755488.3	44.9	3.49	4.00	1.62	YES	
L0003351	0	0.88110E-08	401705.5	3755487.9	45.2	3.49	4.00	1.62	YES	
L0003352	0	0.88110E-08	401714.0	3755487.5	45.4	3.49	4.00	1.62	YES	
L0003353	0	0.88110E-08	401722.6	3755487.1	45.4	3.49	4.00	1.62	YES	
L0003354	0	0.88110E-08	401731.2	3755486.7	45.5	3.49	4.00	1.62	YES	
L0003355	0	0.88110E-08	401739.8	3755486.3	45.5	3.49	4.00	1.62	YES	
L0003356	0	0.88110E-08	401748.4	3755485.9	45.5	3.49	4.00	1.62	YES	
L0003357	0	0.88110E-08	401756.9	3755485.5	45.5	3.49	4.00	1.62	YES	
L0003358	0	0.88110E-08	401765.5	3755485.1	45.5	3.49	4.00	1.62	YES	

L0003359	0	0.88110E-08	401774.1 3755484.7	45.5	3.49	4.00	1.62	YES	
L0003360	0	0.88110E-08	401782.7 3755484.3	45.5	3.49	4.00	1.62	YES	
L0003361	0	0.88110E-08	401791.3 3755483.9	45.5	3.49	4.00	1.62	YES	
L0003362	0	0.88110E-08	401799.8 3755483.5	45.5	3.49	4.00	1.62	YES	
L0003363	0	0.88110E-08	401808.4 3755483.3	45.4	3.49	4.00	1.62	YES	
L0003364	0	0.88110E-08	401817.0 3755483.0	45.4	3.49	4.00	1.62	YES	
L0003365	0	0.88110E-08	401825.6 3755482.8	45.3	3.49	4.00	1.62	YES	
L0003366	0	0.88110E-08	401834.2 3755482.5	45.2	3.49	4.00	1.62	YES	
L0003367	0	0.88110E-08	401842.8 3755482.2	45.1	3.49	4.00	1.62	YES	
L0003368	0	0.88110E-08	401851.4 3755482.0	45.0	3.49	4.00	1.62	YES	
L0003369	0	0.88110E-08	401860.0 3755481.7	44.9	3.49	4.00	1.62	YES	
L0003370	0	0.88110E-08	401868.5 3755481.5	44.8	3.49	4.00	1.62	YES	
L0003371	0	0.88110E-08	401877.1 3755481.2	44.7	3.49	4.00	1.62	YES	
L0003372	0	0.88110E-08	401885.7 3755481.0	44.7	3.49	4.00	1.62	YES	
L0003373	0	0.88110E-08	401894.3 3755480.7	44.6	3.49	4.00	1.62	YES	
L0003374	0	0.88110E-08	401902.9 3755480.4	44.6	3.49	4.00	1.62	YES	
L0003375	0	0.88110E-08	401911.5 3755480.2	44.6	3.49	4.00	1.62	YES	
L0003376	0	0.88110E-08	401920.1 3755479.9	44.6	3.49	4.00	1.62	YES	
L0003377	0	0.88110E-08	401928.6 3755479.7	44.5	3.49	4.00	1.62	YES	
L0003378	0	0.88110E-08	401937.2 3755479.5	44.4	3.49	4.00	1.62	YES	
L0003379	0	0.88110E-08	401945.8 3755479.3	44.2	3.49	4.00	1.62	YES	
L0003380	0	0.88110E-08	401954.4 3755479.1	44.2	3.49	4.00	1.62	YES	
L0003381	0	0.88110E-08	401963.0 3755478.9	44.1	3.49	4.00	1.62	YES	
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD V	/iew\Gree	nstone 2	year\Gree	nstone 2	year.isc	* * *
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 20	023 and 20	24		* * *

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003382	0	0.88110E-08	401971.6	3755478.8	44.1	3.49	4.00	1.62	YES	
L0003383	0	0.88110E-08	401980.2	3755478.6	44.1	3.49	4.00	1.62	YES	
L0003384	0	0.88110E-08	401988.8	3755478.4	44.2	3.49	4.00	1.62	YES	
L0003385	0	0.88110E-08	401997.3	3755478.2	44.3	3.49	4.00	1.62	YES	
L0003386	0	0.88110E-08	402005.9	3755478.1	44.5	3.49	4.00	1.62	YES	
L0003387	0	0.88110E-08	402014.5	3755477.9	44.7	3.49	4.00	1.62	YES	
L0003388	0	0.88110E-08	402023.1	3755477.7	44.9	3.49	4.00	1.62	YES	
L0003389	0	0.88110E-08	402031.7	3755477.5	45.0	3.49	4.00	1.62	YES	
L0003390	0	0.88110E-08	402040.3	3755477.4	45.1	3.49	4.00	1.62	YES	
L0003391	0	0.88110E-08	402048.9	3755477.2	45.2	3.49	4.00	1.62	YES	
L0003392	0	0.88110E-08	402057.5	3755477.0	45.2	3.49	4.00	1.62	YES	
L0003393	0	0.88110E-08	402066.1	3755476.8	45.2	3.49	4.00	1.62	YES	
L0003394	0	0.88110E-08	402074.6	3755476.7	45.3	3.49	4.00	1.62	YES	
L0003395	0	0.88110E-08	402083.2	3755476.5	45.4	3.49	4.00	1.62	YES	

L0003396	0	0.88110E-08	402091.8 3755476.3	45.6	3.49	4.00	1.62	YES		
L0003397	0	0.88110E-08	402100.4 3755476.1	45.7	3.49	4.00	1.62	YES		
L0003398	0	0.88110E-08	402109.0 3755476.0	45.8	3.49	4.00	1.62	YES		
L0003399	0	0.88110E-08	402117.6 3755475.8	45.9	3.49	4.00	1.62	YES		
L0003400	0	0.88110E-08	402126.2 3755475.6	46.0	3.49	4.00	1.62	YES		
L0003401	0	0.88110E-08	402134.8 3755475.4	46.2	3.49	4.00	1.62	YES		
L0003402	0	0.88110E-08	402143.3 3755475.2	46.4	3.49	4.00	1.62	YES		
L0003403	0	0.88110E-08	402151.9 3755474.9	46.5	3.49	4.00	1.62	YES		
L0003404	0	0.88110E-08	402160.5 3755474.6	46.6	3.49	4.00	1.62	YES		
L0003405	0	0.88110E-08	402169.1 3755474.3	46.8	3.49	4.00	1.62	YES		
L0003406	0	0.88110E-08	402177.7 3755474.0	46.9	3.49	4.00	1.62	YES		
L0003407	0	0.88110E-08	402186.3 3755473.7	47.0	3.49	4.00	1.62	YES		
L0003408	0	0.88110E-08	402194.9 3755473.4	47.1	3.49	4.00	1.62	YES		
L0003409	0	0.88110E-08	402203.4 3755473.2	47.3	3.49	4.00	1.62	YES		
L0003410	0	0.88110E-08	402212.0 3755472.9	47.4	3.49	4.00	1.62	YES		
L0003411	0	0.88110E-08	402220.6 3755472.6	47.5	3.49	4.00	1.62	YES		
L0003412	0	0.88110E-08	402229.2 3755472.3	47.6	3.49	4.00	1.62	YES		
L0003413	0	0.88110E-08	402237.8 3755472.0	47.6	3.49	4.00	1.62	YES		
L0003414	0	0.88110E-08	402246.4 3755471.7	47.6	3.49	4.00	1.62	YES		
L0003415	0	0.88110E-08	402255.0 3755471.5	47.6	3.49	4.00	1.62	YES		
L0003416	0	0.88110E-08	402263.5 3755471.2	47.7	3.49	4.00	1.62	YES		
L0003417	0	0.88110E-08	402272.1 3755470.9	47.7	3.49	4.00	1.62	YES		
L0003418	0	0.88110E-08	402280.7 3755470.6	47.7	3.49	4.00	1.62	YES		
L0003419	0	0.88110E-08	402289.3 3755470.3	47.7	3.49	4.00	1.62	YES		
L0003420	0	0.88110E-08	402297.9 3755470.0	47.7	3.49	4.00	1.62	YES		
L0003421	0	0.88110E-08	402306.5 3755469.9	47.7	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	T 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	year\Gree	enstone 2	year.isc	***	01/20/22
*** AERMET -	VERSION	1 16216 ***	*** 19471 Greenstone	DPM Cond	c Years 20	23 and 20	24		***	16:00:20

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003422	0	0.88110E-08	402315.1	3755469.7	47.8	3.49	4.00	1.62	YES	
L0003423	0	0.88110E-08	402323.6	3755469.6	47.8	3.49	4.00	1.62	YES	
L0003424	0	0.88110E-08	402332.2	3755469.5	47.8	3.49	4.00	1.62	YES	
L0003425	0	0.88110E-08	402340.8	3755469.4	47.9	3.49	4.00	1.62	YES	
L0003426	0	0.88110E-08	402349.4	3755469.2	47.9	3.49	4.00	1.62	YES	
L0003427	0	0.88110E-08	402358.0	3755469.1	47.9	3.49	4.00	1.62	YES	
L0003428	0	0.88110E-08	402366.6	3755469.0	48.0	3.49	4.00	1.62	YES	
L0003429	0	0.88110E-08	402375.2	3755468.8	48.0	3.49	4.00	1.62	YES	
L0003430	0	0.88110E-08	402383.8	3755468.7	48.0	3.49	4.00	1.62	YES	
L0003431	0	0.88110E-08	402392.4	3755468.6	48.1	3.49	4.00	1.62	YES	
L0003432	0	0.88110E-08	402400.9	3755468.5	48.1	3.49	4.00	1.62	YES	

L0003433	0	0.88110E-08	402409.5 3755468.4	48.2	3.49	4.00	1.62	YES		
L0003133	0	0.88110E-08	402418.1 3755468.3	48.2	3.49	4.00	1.62	YES		
L0003435	0	0.88110E-08	402426.7 3755468.2	48.3	3.49	4.00	1.62	YES		
L0003135	0	0.88110E-08	402435.3 3755468.1	48.3	3.49	4.00	1.62	YES		
L0003437	0	0.88110E-08	402443.9 3755467.9	48.4	3.49	4.00	1.62	YES		
L0003438	0	0.88110E-08	402452.5 3755467.8	48.5	3.49	4.00	1.62	YES		
L0003130	0	0.88110E-08	402461.1 3755467.7	48.5	3.49	4.00	1.62	YES		
L0003135	0	0.88110E-08	402469.7 3755467.5	48.5	3.49	4.00	1.62	YES		
L0003441	0	0.88110E-08	402478.2 3755467.6	48.5	3.49	4.00	1.62	YES		
L0003442	0	0.88110E-08	402486.7 3755469.1	48.5	3.49	4.00	1.62	YES		
L0003443	0	0.88110E-08	402495.2 3755470.6	48.6	3.49	4.00	1.62	YES		
L0003444	0	0.88110E-08	402503.6 3755472.0	48.7	3.49	4.00	1.62	YES		
L0003445	0	0.88110E-08	402512.1 3755473.5	48.8	3.49	4.00	1.62	YES		
L0003446	0	0.88110E-08	402520.5 3755475.1	48.8	3.49	4.00	1.62	YES		
L0003447	0	0.88110E-08	402529.0 3755476.6	48.9	3.49	4.00	1.62	YES		
L0003448	0	0.88110E-08	402537.4 3755478.2	48.9	3.49	4.00	1.62	YES		
L0003449	0	0.88110E-08	402545.9 3755479.7	49.0	3.49	4.00	1.62	YES		
L0003450	0	0.88110E-08	402554.2 3755481.8	48.9	3.49	4.00	1.62	YES		
L0003451	0	0.88110E-08	402562.6 3755483.8	48.9	3.49	4.00	1.62	YES		
L0003452	0	0.88110E-08	402570.9 3755485.8	48.9	3.49	4.00	1.62	YES		
L0003453	0	0.88110E-08	402579.3 3755487.8	48.9	3.49	4.00	1.62	YES		
L0003454	0	0.88110E-08	402587.6 3755489.8	48.9	3.49	4.00	1.62	YES		
L0003455	0	0.88110E-08	402596.0 3755491.7	48.9	3.49	4.00	1.62	YES		
L0003456	0	0.88110E-08	402604.4 3755493.5	48.9	3.49	4.00	1.62	YES		
L0003457	0	0.88110E-08	402612.8 3755495.3	48.9	3.49	4.00	1.62	YES		
L0003458	0	0.88110E-08	402621.2 3755497.1	48.9	3.49	4.00	1.62	YES		
L0003459	0	0.88110E-08	402629.6 3755498.9	48.9	3.49	4.00	1.62	YES		
L0003460	0	0.88110E-08	402638.0 3755500.6	48.9	3.49	4.00	1.62	YES		
L0003461	0	0.88110E-08	402646.4 3755502.4	49.0	3.49	4.00	1.62	YES		
*** AERMOD -			*** C:\Lakes\AERMOD			-		year.isc	***	01/20/22
*** AERMET -	VERSION	N 16216 ***	*** 19471 Greenstone	DPM Cond	C Years 20	023 and 20	124		***	16:00:20

*** VOLUME SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003462	0	0.88110E-08	402654.8	3755504.0	49.1	3.49	4.00	1.62	YES	
L0003463	0	0.88110E-08	402663.4	3755504.8	49.2	3.49	4.00	1.62	YES	
L0003464	0	0.88110E-08	402672.0	3755505.6	49.3	3.49	4.00	1.62	YES	
L0003465	0	0.88110E-08	402680.5	3755506.4	49.4	3.49	4.00	1.62	YES	
L0003466	0	0.88110E-08	402689.1	3755507.2	49.5	3.49	4.00	1.62	YES	
L0003467	0	0.88110E-08	402697.6	3755508.0	49.5	3.49	4.00	1.62	YES	
L0003468	0	0.88110E-08	402706.2	3755508.8	49.5	3.49	4.00	1.62	YES	
L0003469	0	0.88110E-08	402714.7	3755509.6	49.5	3.49	4.00	1.62	YES	

L0003470	0	0.88110E-08	402723.3 3755510.0	49.5	3.49	4.00	1.62	YES
L0003471	0	0.88110E-08	402731.9 3755510.1	49.5	3.49	4.00	1.62	YES
L0003472	0	0.88110E-08	402740.5 3755510.2	49.6	3.49	4.00	1.62	YES
L0003473	0	0.88110E-08	402749.1 3755510.3	49.6	3.49	4.00	1.62	YES
L0003474	0	0.88110E-08	402757.6 3755510.4	49.7	3.49	4.00	1.62	YES
L0003475	0	0.88110E-08	402766.2 3755510.5	49.7	3.49	4.00	1.62	YES
L0003476	0	0.88110E-08	402774.8 3755510.5	49.8	3.49	4.00	1.62	YES
L0003477	0	0.88110E-08	402783.4 3755510.5	49.9	3.49	4.00	1.62	YES
L0003478	0	0.88110E-08	402792.0 3755510.5	49.9	3.49	4.00	1.62	YES
L0003479	0	0.88110E-08	402800.6 3755510.5	50.0	3.49	4.00	1.62	YES
L0003480	0	0.88110E-08	402809.2 3755510.5	50.0	3.49	4.00	1.62	YES
L0003481	0	0.88110E-08	402817.8 3755510.5	50.1	3.49	4.00	1.62	YES
L0003482	0			50.1	3.49	4.00	1.62	YES
L0003483	0	0.88110E-08	402835.0 3755510.5	50.1	3.49	4.00	1.62	YES
L0003484	0	0.88110E-08	402843.5 3755510.6	50.1	3.49	4.00	1.62	YES
L0003485	0	0.88110E-08	402852.1 3755510.8	50.2	3.49	4.00	1.62	YES
L0003486	0	0.88110E-08	402860.7 3755511.0	50.3	3.49	4.00	1.62	YES
L0003487	0	0.88110E-08	402869.3 3755511.2	50.4	3.49	4.00	1.62	YES
L0003488	0	0.88110E-08	402877.9 3755511.5	50.5	3.49	4.00	1.62	YES
L0003489	0	0.88110E-08	402886.5 3755511.7	50.5	3.49	4.00	1.62	YES
L0003490	0	0.88110E-08	402895.1 3755511.9	50.5	3.49	4.00	1.62	YES
L0003491	0	0.88110E-08	402903.7 3755512.1	50.5	3.49	4.00	1.62	YES
L0003492	0	0.88110E-08	402912.2 3755512.4	50.5	3.49	4.00	1.62	YES
L0003493	0	0.88110E-08	402920.8 3755512.7	50.5	3.49	4.00	1.62	YES
L0003494	0	0.88110E-08	402929.4 3755513.0	50.5	3.49	4.00	1.62	YES
L0003495	0	0.88110E-08	402938.0 3755513.3	50.6	3.49	4.00	1.62	YES
L0003496	0	0.88110E-08	402946.6 3755513.7	50.6	3.49	4.00	1.62	YES
L0003497	0	0.88110E-08	402955.2 3755514.2	50.6	3.49	4.00	1.62	YES
L0003498	0	0.88110E-08	402963.7 3755514.8	50.6	3.49	4.00	1.62	YES
L0003499	0	0.88110E-08	402972.3 3755515.3	50.6	3.49	4.00	1.62	YES
L0003500	0	0.88110E-08	402980.9 3755515.9		3.49	4.00	1.62	YES
L0003501	0		402989.4 3755516.4		3.49	4.00	1.62	YES
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y) (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0003502	0	0.88110E-08	402998.0	3755517.4	50.7	3.49	4.00	1.62	YES		
L0003503	0	0.88110E-08	403006.4	3755518.8	50.7	3.49	4.00	1.62	YES		
L0003504	0	0.88110E-08	403014.9	3755520.2	50.7	3.49	4.00	1.62	YES		
L0003505	0	0.88110E-08	403023.4	3755521.5	50.8	3.49	4.00	1.62	YES		
L0003506	0	0.88110E-08	403031.9	3755522.9	50.8	3.49	4.00	1.62	YES		

L0003507	0	0.88110E-08	403040.4 3755524	.2 50.8	3.49	4.00	1.62	YES		
L0003508	0	0.88110E-08	403048.8 3755525	.6 50.8	3.49	4.00	1.62	YES		
L0003509	0	0.88110E-08	403057.3 3755527	.0 50.8	3.49	4.00	1.62	YES		
L0003510	0	0.88110E-08	403065.7 3755528	.7 50.8	3.49	4.00	1.62	YES		
L0003511	0	0.88110E-08	403074.1 3755530	.6 50.7	3.49	4.00	1.62	YES		
L0003512	0	0.88110E-08	403082.5 3755532	.6 50.8	3.49	4.00	1.62	YES		
L0003513	0	0.88110E-08	403090.8 3755534	.5 50.9	3.49	4.00	1.62	YES		
L0003514	0	0.88110E-08	403099.2 3755536	.4 51.0	3.49	4.00	1.62	YES		
L0003515	0	0.88110E-08	403107.6 3755538	.4 51.1	3.49	4.00	1.62	YES		
L0003516	0	0.88110E-08	403115.8 3755540	.8 51.2	3.49	4.00	1.62	YES		
L0003517	0	0.88110E-08	403124.1 3755543	.1 51.3	3.49	4.00	1.62	YES		
L0003518	0	0.88110E-08	403132.4 3755545	.5 51.3	3.49	4.00	1.62	YES		
L0003519	0	0.88110E-08	403140.6 3755547	.9 51.4	3.49	4.00	1.62	YES		
L0003520	0	0.88110E-08	403148.9 3755550	.2 51.4	3.49	4.00	1.62	YES		
L0003521	0	0.88110E-08	403157.1 3755552	.6 51.5	3.49	4.00	1.62	YES		
L0003522	0	0.88110E-08	403165.4 3755554	.9 51.5	3.49	4.00	1.62	YES		
L0003523	0	0.88110E-08	403173.7 3755557	.2 51.4	3.49	4.00	1.62	YES		
L0003524	0	0.88110E-08	403182.0 3755559	.4 51.4	3.49	4.00	1.62	YES		
L0003525	0	0.88110E-08	403190.3 3755561	.6 51.3	3.49	4.00	1.62	YES		
L0003526	0	0.88110E-08	403198.6 3755563		3.49	4.00	1.62	YES		
L0003527	0	0.88110E-08	403206.9 3755566		3.49	4.00	1.62	YES		
L0003528	0	0.88110E-08	403215.2 3755568		3.49	4.00	1.62	YES		
L0003529	0	0.88110E-08	403223.5 3755570		3.49	4.00	1.62	YES		
L0003530	0		403231.8 3755572		3.49	4.00	1.62	YES		
L0003531	0	0.88110E-08	403240.1 3755574		3.49	4.00	1.62	YES		
L0003532	0	0.88110E-08	403248.4 3755577		3.49	4.00	1.62	YES		
L0003533	0	0.88110E-08	403256.7 3755579		3.49	4.00	1.62	YES		
L0003534	0	0.88110E-08	403265.0 3755581		3.49	4.00	1.62	YES		
L0003535	0	0.88110E-08	403273.3 3755583		3.49	4.00	1.62	YES		
L0003536	0	0.88110E-08	403281.6 3755585	.8 49.9	3.49	4.00	1.62	YES		
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*** AERMET - VERSION 16216 ***
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*** MODELOPTs:
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*** AERMET - VERSION 16216 ***
                                *** 19471 Greenstone DPM Conc Years 2023 and 2024
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*** AERMET - VERSION 16216 ***
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                                  *** 19471 Greenstone DPM Conc Years 2023 and 2024
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*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ_U*
                                          *** SOURCE IDS DEFINED AS URBAN SOURCES ***
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*** AERMET - VERSION 16216 ***
                                   *** 19471 Greenstone DPM Conc Years 2023 and 2024
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*** MODELOPTs:
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*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ_U*
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*** AERMOD - VERSION 21112 ***
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*** AERMET - VERSION 16216 ***
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                                  *** 19471 Greenstone DPM Conc Years 2023 and 2024
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*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ_U*
                                          *** SOURCE IDS DEFINED AS URBAN SOURCES ***
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*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE	ID: ST	CK1									
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.5,	225.2,	132.3,	-156.0,	114.5,
3	12.5,	217.2,	162.7,	-189.7,	98.0,	4	12.5,	203.8,	188.1,	-217.6,	77.8,
5	12.5,	184.5,	207.8,	-239.0,	55.2,	6	12.5,	159.7,	221.2,	-253.0,	30.8,
7	12.5,	130.2,	227.9,	-259.4,	5.5,	8	12.5,	98.3,	228.2,	-257.9,	-19.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.5,	225.2,	132.3,	23.7,	-114.5,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,

35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,
CUIDUE	ID: ST	יכעט									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	0.0,		0.0,	0.0,	0.0,	2	0.0,		0.0,	0.0,	0.0,
3	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
5	0.0,		0.0,	0.0,	0.0,	6	0.0,		0.0,	0.0,	0.0,
7	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.5,	98.5,		-254.8,	13.1,
11	12.5,	132.3,		-254.5,	-12.0,	12	12.5,	162.7,		-234.0,	-36.4,
13	12.5,	188.1,		-232.1,	-59.8,	14	12.5,	207.8,		-210.1,	-81.3,
15	12.5,	221.2,		-232.1,		16	12.5,	207.8,		-147.8,	
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,		0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
25 27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29			0.0,	0.0,	0.0,				0.0,	0.0,	0.0,
31	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	30 32	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
33	12.5,	221.2,	159.7,	22.0,	100.4,	34	12.5,		130.2,	17.6,	116.4,
35 35	0.0,	0.0,	0.0,	0.0,	0.0,	3 4 36	0.0,			0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
SOURCE	ID: ST	ירא3									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,	227.0,		-67.5,	-34.7,	2	12.5,	225.2,		-78.4,	-36.9,
3	12.5,	217.2,	162.7,	-87.0,	-37.7,	4	12.5,	203.8,	188.1,		-37.9,
5	12.5,	184.5,	207.8,	-96.1,	-37.2,	6	12.5,	159.7,	221.2,		-35.3,
7	12.5,	130.2,	227.9,	-93.5,	-32.4,	8	12.5,	98.3,	228.2,		-28.3,
9	12.5,	64.0,	222.9,	-80.2,	-23.1,	10	12.5,	98.5,	227.0,		-18.2,
11	12.5,	132.3,	225.2,		-12.3,	12	12.5,	162.7,	217.2,		-5.7,
13	12.5,	188.1,	203.8,	,	1.1,	14	12.5,	207.8,	184.5,	,	7.8,
15	12.5,	221.2,		-44.5,	14.3,	16	12.5,		130.2,		20.4,
17	12.5,	228.2,	98.3,	-20.8,	26.1,	18	12.5,		64.0,		31.3,
19	12.5,			-31.0,	34.7,	20	12.5,	225.2,	132.3,		36.9,
21	12.5,	217.2,	162.7,	-75.6,	37.7,	22	12.5,	203.8,	188.1,		37.9,
23	12.5,	184.5,		-111.7,	37.2,	24	12.5,	159.7,		-124.9,	35.3,
25	12.5,	130.2,		-134.3,	32.4,	26	12.5,	98.3,		-140.2,	28.3,
27	12.5,	64.0,		-142.7,	23.1,	28	12.5,	98.5,		-148.2,	18.2,
29	12.5,	132.3,		-149.5,	12.3,	30	12.5,	162.7,		-146.3,	5.7,
31	12.5,	188.1,		-139.8,	-1.1,	32	12.5,		184.5,		-7.8,
33	12.5,			-115.2,	-14.3,	34	12.5,			-97.5,	-20.4,
35	12.5,			-77.5,	-26.1,	36	12.5,			-55.1,	-31.2,
55	-2.5,	220.2,	,,,,	, , ,	20.1,	33	12.5,	222.7,	01.0,	33.1,	51.21
SOURCE	ID: ST	CK4									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,		98.5,		-1.9,	2	12.5,			-90.0,	-5.6,
3		217.2,			-8.9,	4	12.5,			-114.5,	-12.4,
-	/	,	,	,	/		,		/	/	/

```
6 12.5, 159.7, 221.2, -125.2, -18.7,
    12.5, 184.5, 207.8, -121.7, -15.8,
     12.5, 130.2, 227.9, -125.0, -21.2,
                                             12.5, 98.3, 228.2, -120.9, -22.7,
                                          8
     12.5, 64.0, 222.9, -113.6, -23.2,
                                         10
                                              12.5.
                                                    98.5, 227.0, -111.6, -24.2,
 11
     12.5, 132.3, 225.2, -107.0, -23.8,
                                         12
                                             12.5, 162.7, 217.2, -99.8, -22.5,
     12.5, 188.1, 203.8, -89.5, -20.5,
                                         14
                                              12.5, 207.8, 184.5, -76.4, -17.8,
     12.5, 221.2, 159.7, -61.1,
                                              12.5, 227.9, 130.2, -43.9, -11.0,
 15
                               -14.7,
                                         16
                                                                 -8.8,
 17
     12.5, 228.2,
                  98.3, -26.4,
                                 -6.8,
                                         18
                                              12.5, 222.9, 64.0,
                                                                         -2.1,
     12.5, 227.0,
 19
                  98.5, -25.1,
                                 1.9,
                                         20
                                             12.5, 225.2, 132.3, -42.3,
                                                                          5.6,
     12.5, 217.2, 162.7, -58.8,
                                 8.9,
                                         22
                                             12.5, 203.8, 188.1, -73.6,
 23
     12.5, 184.5, 207.8, -86.1,
                                 15.8,
                                         24
                                             12.5, 159.7, 221.2, -95.9,
                                                                         18.7,
 25
     12.5, 130.2, 227.9, -102.9,
                                 21.2,
                                         26
                                             12.5, 98.3, 228.2, -107.3,
                                                                         22.7,
                                 23.2,
 27
     12.5, 64.0, 222.9, -109.3,
                                         28
                                              12.5,
                                                   98.5, 227.0, -115.4,
                                                                         24.2.
 29
     12.5, 132.3, 225.2, -118.2,
                                         30
                                             12.5, 162.7, 217.2, -117.5,
                                 23.8,
                                                                         22.5,
                                             12.5, 207.8, 184.5, -108.1,
     12.5, 188.1, 203.8, -114.3,
                                 20.5,
                                         32
                                                                         17.8,
     12.5, 221.2, 159.7, -98.6,
                                             12.5, 227.9, 130.2, -86.2,
                                         34
                                 14.7,
                                                                         11.0,
 35
     12.5, 228.2, 98.3, -71.8,
                                 6.8,
                                         36
                                             12.5, 222.9, 64.0, -55.2,
01/20/22
                                                                                           * * *
16:00:20
                                                                                                     PAGE 39
*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ U*
                                   *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
SOURCE ID: STCK5
IFV
      BH
             BW
                    BL
                          XADJ
                                 YADJ
                                         TFV
                                               BH
                                                     BW
                                                            BL
                                                                  XADJ
                                                                         YADJ
     12.5, 227.0,
                   98.5, -78.4,
                                          2
                                              12.5,
                                                   225.2, 132.3, -99.8,
                                                                         21.3,
                                 26.3,
     12.5, 217.2, 162.7, -118.1,
                                15.9,
                                          4
                                              12.5, 203.8, 188.1, -132.9,
                                                                          9.5,
                                              12.5, 159.7, 221.2, -150.0,
     12.5, 184.5, 207.8, -143.7,
                                2.6,
                                          6
                                                                         -4.4,
     12.5, 130.2, 227.9, -151.9, -11.4,
                                          8
                                              12.5, 98.3, 228.2, -149.1, -17.7,
  9
     12.5, 64.0, 222.9, -142.2, -23.2,
                                         10
                                             12.5,
                                                    98.5, 227.0, -139.8, -29.1,
                               -33.6,
 11
     12.5, 132.3, 225.2, -133.9,
                                         12
                                             12.5, 162.7, 217.2, -124.5,
                                                                        -36.8,
     12.5, 188.1, 203.8, -111.4, -38.9,
                                         14
                                             12.5, 207.8, 184.5, -94.8, -39.8,
 13
 15
     12.5, 221.2, 159.7, -75.4, -39.4,
                                         16
                                             12.5, 227.9, 130.2, -53.7, -37.9,
 17
     12.5, 228.2, 98.3, -31.4, -34.9,
                                         18
                                              12.5, 222.9, 64.0, -8.8, -30.7,
     12.5, 227.0,
                  98.5, -20.1,
                                         20
                                             12.5, 225.2, 132.3, -32.5, -21.3,
 19
                               -26.3,
 21
     12.5, 217.2, 162.7, -44.5,
                               -15.9,
                                         22
                                              12.5, 203.8, 188.1, -55.2,
                                                                         -9.5,
 23
     12.5, 184.5, 207.8, -64.1,
                                -2.6,
                                         24
                                              12.5, 159.7, 221.2, -71.1,
     12.5, 130.2, 227.9, -76.0,
                                         26
                                              12.5, 98.3, 228.2, -79.1,
                                 11.4,
                                                                         17.7.
     12.5, 64.0, 222.9, -80.7,
                                                    98.5, 227.0, -87.2,
 27
                                 23.2,
                                         28
                                             12.5,
                                                                         29.1,
 29
     12.5, 132.3, 225.2, -91.3,
                                 33.6,
                                         30
                                              12.5, 162.7, 217.2, -92.7,
                                                                         36.8,
 31
     12.5, 188.1, 203.8, -92.4,
                                 38.9,
                                         32
                                             12.5, 207.8, 184.5, -89.7,
                                                                         39.8,
     12.5, 221.2, 159.7, -84.3,
                                 39.4,
                                         34
                                             12.5, 227.9, 130.2, -76.5,
                                                                         37.9,
    12.5, 228.2, 98.3, -66.8,
                                 34.9,
                                         36
                                            12.5, 222.9, 64.0, -55.2,
                                                                         30.7,
                                                                                           ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc
                                                                                                     01/20/22
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16:00:20
                                                                                                     PAGE 40
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*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID *** (METERS)

400817.6, 400942.7, 401067.7, 401192.8, 401317.8, 401442.9, 401567.9, 401693.0, 401818.0, 401943.1, 402068.1, 402193.2, 402318.2, 402443.3, 402568.3, 402693.4, 402818.4, 402943.5, 403068.5, 403193.6, 403318.6.

*** Y-COORDINATES OF GRID *** (METERS)

3753433.1, 3753541.7, 3753650.4, 3753759.0, 3753867.7, 3753976.3, 3754084.9, 3754193.6, 3754302.2, 3754410.9, 3754519.5, 3754628.1, 3754736.8, 3754845.4, 3754954.1, 3755062.7, 3755171.3, 3755280.0, 3755388.6, 3755497.3, 3755605.9,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	43.50
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40
3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20

3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753530.30	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
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*** AERMOD - VE	RSION 21112 ***	*** C:\Lak	es\AERMOD Vie	w\Greenstone	2 year\Greens	tone 2 year.isc	**	* 01/2	20/22
*** AERMET - VE	RSION 16216 ***	*** 19471	Greenstone DP	M Conc Years	2023 and 2024		* *	* 16:0	0:20
								DAGE	42

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	40 50	47.20	47 20	40.00	49.50	40.60	F0 20	F0 00
		48.50		47.30	48.90		49.60	50.20	50.90
3755497.26	41.20	44.50	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	41.00	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	42.20	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	34.30
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
'	•								
*** AERMOD -	VERSION 21112 **	** *** C:\L	akes\AERMOD V	iew\Greenston	e 2 year\Gree	nstone 2 year	.isc	*** 01	/20/22
*** AERMET -	VERSION 16216 *:	** *** 1947	1 Greenstone	DPM Conc Year	s 2023 and 20	24		*** 16	5:00:20

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

3755605.90	51.00	51.50	49.30
3755497.26	50.80	53.00	50.90
3755388.62	50.50	52.10	53.70
3755279.98	50.00	51.40	52.90
3755171.34	49.90	51.10	52.30
3755062.70	49.70	51.00	52.60
3754954.06	50.10	51.30	52.70
3754845.42	50.20	51.00	51.80
3754736.78	50.00	51.00	51.50
3754628.14	49.40	50.10	49.00
3754519.50	48.30	49.40	49.70
3754410.86	47.70	49.30	48.50
3754302.22	47.10	48.30	48.20
3754193.58	47.20	46.80	47.90
3754084.94	45.80	46.10	46.50
3753976.30	45.40	45.00	44.20
3753867.66	44.50	43.40	40.00
3753759.02	42.60	39.70	37.90
3753650.38	37.40	35.20	35.40
3753541.74	32.10	32.70	32.40
3753433.10	30.20	30.00	30.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	46.70
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40

3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20
3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753541.74	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc ***						* 01/2	0/22		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90
3755497.26	47.00	48.20	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	49.10	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	49.10	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	39.00
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2				e 2 vear\Gree	enstone 2 vear	isc	*** 01	/20/22	

*** 01/20/22 *** 16:00:20 PAGE 46

PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-C	OORD (METERS)				
(METERS)	403068.53	403193.58	403318.63						
3755605.90		51.50	49.30						
3755497.26	1	53.00	50.90						
3755388.62		52.10	53.70						
3755279.98	50.00	51.40	52.90						
3755171.34	!	51.10	52.30						
3755062.70	!	51.00	52.60						
3754954.06	!	51.30	52.70						
3754845.42	50.20	51.00	51.80						
3754736.78	50.00	51.00	51.50						
3754628.14	!	50.10	49.00						
3754519.50	48.30	49.40	49.70						
3754410.86	!	49.30	48.50						
3754302.22	47.10	48.30	48.20						
3754193.58	47.20	46.80	47.90						
3754084.94	!	46.10	46.50						
3753976.30	45.40	45.00	44.20						
3753867.66	!	43.40	40.00						
3753759.02		39.70	37.90						
3753650.38	!	35.20	35.40						
3753541.74		32.70	32.40						
3753433.10	30.20	30.00	30.30						
*** 1 EDMOD	VERSION 21112 *	** *** 0.\T	alroa\ A EDMOD	IIi ou Croon	atono 2 moon\Croc	natono 0 1100m		***	01/20/22
	VERSION 21112 " VERSION 16216 *	•	,	,	Years 2023 and 20	-	.1sc	***	16:00:20
""" AERMEI -	VERSION 10216 "	1947	I Greenscone	DPM COILC	rears 2023 and 20	J24			PAGE 47
*** MODELODE	s: RegDFAULT	CONC ETEN II	יוו דמג ואגסמו	•					PAGE 4/
MODELOFIA	s. Reguraum	CONC EDEV O	KBAN ADO_O						
			*** DISCRI	TE CARTEST	AN RECEPTORS ***				
					EV, ZHILL, ZFLAG)			
			(11 000112) 1	(METER		,			
				(,				
(401611	.3, 3754416.6,	38.5,	38.5,	0.0);	(401540.9,	3754478.1,	39.2,	39.2,	0.0);
(401548	.7, 3754639.0,	41.4,	41.4,	0.0);	(401600.9,	3754832.1,	43.1,	43.1,	0.0);
(402492	.7, 3754639.0, .6, 3754624.0,	46.8,	46.8,	0.0);	(402490.3,	3754733.3,	47.6,	47.6,	0.0);
(402487	.6, 3753865.1,	42.2,	42.2,	0.0);	(403257.8,	3755558.4,	50.9,	50.9,	0.0);
*** AERMOD -	VERSION 21112 *	** *** C:\L	akes\AERMOD	View\Green:	stone 2 year\Gree	enstone 2 year	.isc	***	01/20/22
*** AERMET - VERSION 16216 ***							***	16:00:20	
									PAGE 48
*** MODELOPTS	s: RegDFAULT	CONC ELEV U	RBAN ADJ_U	•					
	* 4 4 4 4 4 4		וט דאל א יייד ראל כיי ביי	יעם אבדבות סיי	CITE A THOME MAY NO	ייי טע הספרטשע	רוי *		

^{*} SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED * LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - - DISTANCE
ID XR (METERS) YR (METERS) (METERS)

402193.2 L0002698 3754736.8 -2.45 L0002711 402193.2 3754845.4 0.36 L0002819 402193.2 3754519.5 -2.03 402193.2 -2.10 L0002820 3754519.5 L0002832 402193.2 3754410.9 -3.17 L0002833 402193.2 3754410.9 0.37 L0002844 402193.2 3754302.2 0.27 L0002845 402193.2 3754302.2 -2.74 L0002857 402193.2 3754193.6 -1.52 402193.2 L0002858 3754193.6 -1.00 L0002870 402193.2 3754084.9 -2.26 L0002882 402193.2 3753976.3 0.60 -1.62 L0002883 402193.2 3753976.3 L0003335 401567.9 3755497.3 -1.72* * * *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc 01/20/22 16:00:20 PAGE 49 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U* *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE. *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC) 1.54, 3.09, 5.14, 8.23, 10.80, *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc *** 01/20/22 * * * 16:00:20 PAGE 50 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ U*

Apx-197

Met Version: 16216

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC

Profile file: E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL

Surface format: FREE Profile format: FREE

Surface station no.: 3166 Upper air station no.: 3190

Name: UNKNOWN Name: UNKNOWN Year: 2010 Year: 2010

First 24	hours o	f scala	r data													
YR MO DY	JDY HR	H0	U*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10 01 01	1 01	-38.6	0.384	-9.000	-9.000	-999.	572.	162.4	0.34	0.73	1.00	3.10	321.	9.1	283.8	5.5
10 01 01	1 02	-33.5	0.333	-9.000	-9.000	-999.	462.	121.8	0.34	0.73	1.00	2.70	217.	9.1	282.5	5.5
10 01 01	1 03	-21.9	0.218	-9.000	-9.000	-999.	251.	52.2	0.34	0.73	1.00	1.80	290.	9.1	282.5	5.5
10 01 01	1 04	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	255.	9.1	282.0	5.5
10 01 01	1 05	-21.9	0.218	-9.000	-9.000	-999.	245.	52.2	0.34	0.73	1.00	1.80	234.	9.1	282.0	5.5
10 01 01	1 06	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	258.	9.1	282.0	5.5
10 01 01	1 07	-27.2	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	213.	9.1	281.4	5.5
10 01 01	1 08	-22.6	0.335	-9.000	-9.000	-999.	466.	151.7	0.34	0.73	0.54	2.70	215.	9.1	282.0	5.5
10 01 01	1 09	26.9	0.249	0.347	0.008	56.	302.	-51.9	0.34	0.73	0.32	1.80	199.	9.1	284.2	5.5
10 01 01	1 10	65.3	0.365	0.593	0.008	116.	529.	-67.5	0.34	0.73	0.24	2.70	117.	9.1	288.1	5.5
10 01 01	1 11	94.5	0.374	0.933	0.008	311.	550.	-50.3	0.34	0.73	0.21	2.70	243.	9.1	290.4	5.5
10 01 01	1 12	103.9	0.279	1.087	0.008	448.	359.	-19.0	0.34	0.73	0.20	1.80	130.	9.1	293.1	5.5
10 01 01	1 13	83.7	0.273	1.073	0.008	533.	343.	-22.0	0.34	0.73	0.20	1.80	282.	9.1	294.9	5.5
10 01 01	1 14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73	0.21	1.30	290.	9.1	295.9	5.5
10 01 01	1 15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73	0.25	1.30	192.	9.1	294.9	5.5
10 01 01	1 16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73	0.33	1.30	218.	9.1	293.8	5.5
10 01 01	1 17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73	0.60	1.30	255.	9.1	292.0	5.5
10 01 01	1 18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73	1.00	0.90	129.	9.1	289.2	5.5
10 01 01	1 19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73	1.00	1.30	264.	9.1	287.5	5.5
10 01 01	1 20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73	1.00	1.30	25.	9.1	287.0	5.5
10 01 01	1 21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	343.	9.1	285.9	5.5
10 01 01		-21.7			-9.000		244.	52.2	0.34	0.73	1.00	1.80	332.	9.1	284.9	5.5
10 01 01		-21.7			-9.000		244.	52.2	0.34	0.73	1.00	1.80	178.	9.1	284.2	5.5
10 01 01	1 24	-11.8	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	0.73	1.00	1.30	28.	9.1	283.1	5.5

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 283.8 99.0 -99.00 -99.00
10 01 01 01 9.1 1 321. 3.10 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5 ,

L0002553 , L0002554 , L0002555 , L0002556 , L0002557 , L0002558 , L0002559 , L0002560 ,

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L0002561
                           , L0002562
                                         , L0002563
                                                       , L0002564
                                                                     , L0002565
                                                                                   , L0002566
                                                                                                 , L0002567
                                                                                                               , L0002568
               L0002569
                           , L0002570
                                                       , L0002572
                                                                     , L0002573
                                                                                   , L0002574
                                         , L0002571
                                                                                                 , L0002575
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
  (METERS)
                  400817.63
                               400942.68
                                           401067.73
                                                                     401317.83
                                                                                  401442.88
                                                                                               401567.93
                                                                                                            401692.98
                                                                                                                         401818.03
                                                        401192.78
3755605.90
                   0.00003
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                                             0.00004
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3755497.26
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3755388.62
3755279.98
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3755171.34
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3755062.70
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3754954.06
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3754845.42
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3754736.78
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3754628.14
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3754519.50
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3754410.86
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3754302.22
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3754193.58
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3754084.94
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3753976.30
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3753867.66
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3753759.02
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3753650.38
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3753541.74
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3753433.10
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*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year\in
                                                                                                                     01/20/22
* * *
                                                                                                                     16:00:20
                                                                                                                     PAGE 52
                 RegDFAULT CONC ELEV URBAN ADJ U*
*** MODELOPTs:
                            *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION
                                                                               VALUES FOR SOURCE GROUP: ALL
                                INCLUDING SOURCE(S):
                                                         STCK1
                                                                     , STCK2
                                                                                   , STCK3
                                                                                                 , STCK4
                                                                                                               , STCK5
               L0002553
                           , L0002554
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               L0002561
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                                         , L0002571
                                                                     , L0002573
                                                                                   , L0002574
               L0002569
                           , L0002570
                                                       , L0002572
                                                                                                 , L0002575
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
                 401943.08
                              402068.13
                                           402193.18
                                                        402318.23
                                                                                  402568.33
                                                                                               402693.38
                                                                                                            402818.43
  (METERS)
                                                                     402443.28
                                                                                                                         402943.48
```

3755605.90	0.00009	0.00009	0.00009	0.00009	0.00009	0.00009	0.00008	0.00008	0.00007	
3755497.26	0.00017	0.00018	0.00018	0.00017	0.00018	0.00021	0.00020	0.00017	0.00015	
3755388.62	0.00014	0.00015	0.00016	0.00017	0.00025	0.00015	0.00011	0.00009	0.00007	
3755279.98	0.00017	0.00019	0.00020	0.00020	0.00028	0.00016	0.00011	0.00009	0.00007	
3755171.34	0.00023	0.00026	0.00029	0.00028	0.00034	0.00019	0.00012	0.00009	0.00007	
3755062.70	0.00031	0.00037	0.00062	0.00047	0.00039	0.00020	0.00013	0.00009	0.00007	
3754954.06	0.00043	0.00054	0.00080	0.00047	0.00032	0.00020	0.00013	0.00009	0.00007	
3754845.42	0.00060	0.00091	0.00105	0.00058	0.00032	0.00019	0.00012	0.00009	0.00006	
3754736.78	0.00098	0.00216	0.00167	0.00061	0.00029	0.00017	0.00011	0.00008	0.00006	
3754628.14	0.00167	0.00263	0.00174	0.00056	0.00026	0.00015	0.00010	0.00008	0.00006	
3754519.50	0.00116	0.00093	0.00100	0.00045	0.00024	0.00014	0.00010	0.00008	0.00006	
3754410.86	0.00055	0.00045	0.00058	0.00032	0.00020	0.00013	0.00009	0.00007	0.00006	
3754302.22	0.00030	0.00028	0.00043	0.00024	0.00016	0.00012	0.00009	0.00007	0.00006	
3754193.58	0.00019	0.00020	0.00035	0.00019	0.00014	0.00010	0.00008	0.00007	0.00005	
3754084.94	0.00014	0.00015	0.00036	0.00016	0.00012	0.00010	0.00008	0.00006	0.00005	
3753976.30	0.00011	0.00012	0.00029	0.00015	0.00013	0.00010	0.00007	0.00006	0.00005	
3753867.66	0.00009	0.00010	0.00020	0.00025	0.00029	0.00010	0.00007	0.00006	0.00005	
3753759.02	0.00007	0.00008	0.00009	0.00011	0.00020	0.00010	0.00007	0.00005	0.00005	
3753650.38	0.00007	0.00007	0.00008	0.00009	0.00019	0.00009	0.00006	0.00005	0.00005	
3753541.74	0.00009	0.00009	0.00009	0.00010	0.00019	0.00010	0.00007	0.00007	0.00006	
3753433.10	0.00008	0.00008	0.00008	0.00008	0.00019	0.00010	0.00010	0.00009	0.00008	
*** AERMOD - VERSION 21112										
								PAGI	E 53	
*** MODELOPTS	: RegDFAULT	CONC ELEV U	RBAN ADJ_U*							
		*** THE PERIOR	O (43848 HRS)	AVERAGE CONC	ENTRATION V	ALUES FOR SOUR	CE GROUP: ALL	***		
		INCLUDING	SOURCE(S):	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	,	
	L0002553 ,	L0002554	, L0002555	, L0002556	, L0002557	, L0002558	, L0002559	, L000256) ,	
	L0002561 ,	L0002562	, L0002563	, L0002564	, L0002565	, L0002566	, L0002567	, L0002568	3 ,	
	L0002569 ,	L0002570	, L0002571	, L0002572	, L0002573	, L0002574	, L0002575	,	,	
		*** NETWO	ORK ID: UCART1	; NETWORK	TYPE: GRIDCA	ART ***				
		** /	CONC OF DPM	IN MICROGR	лмс /м**2		**			
			COINC OI. DEM	TIM MITCHOGR	C 11 / OLITA					
Y-COORD				X-COORD	(METERS)					
Y-COORD (METERS)	403068.53	403193.58	403318.63	X-COORD	(METERS)					
	403068.53	403193.58	403318.63	X-COORD	(METERS)					
	403068.53 	403193.58	403318.63	X-COORD	(METERS)					
	403068.53 	403193.58	0.00005	X-COORD	(METERS)					
(METERS) 			0.00005 0.00005	X-COORD	(METERS)					
(METERS) 3755605.90	0.00007	0.00008	0.00005 0.00005 0.00004	X-COORD	(METERS)					
(METERS) 3755605.90 3755497.26	0.00007 0.00010	0.00008 0.00007	0.00005 0.00005	X-COORD	(METERS)					
(METERS) 	0.00007 0.00010 0.00006	0.00008 0.00007 0.00005	0.00005 0.00005 0.00004	X-COORD	(METERS)					
(METERS) 	0.00007 0.00010 0.00006 0.00006	0.00008 0.00007 0.00005 0.00005	0.00005 0.00005 0.00004 0.00004	X-COORD	(METERS)					
(METERS) 	0.00007 0.00010 0.00006 0.00006 0.00006	0.00008 0.00007 0.00005 0.00005 0.00005	0.00005 0.00005 0.00004 0.00004 0.00004	X-COORD	(METERS)					
(METERS)	0.00007 0.00010 0.00006 0.00006 0.00006 0.00005	0.00008 0.00007 0.00005 0.00005 0.00005 0.00004	0.00005 0.00005 0.00004 0.00004 0.00004	X-COORD	(METERS)					
(METERS)	0.00007 0.00010 0.00006 0.00006 0.00006 0.00005	0.00008 0.00007 0.00005 0.00005 0.00005 0.00004	0.00005 0.00005 0.00004 0.00004 0.00004 0.00004	X-COORD	(METERS)					

```
3754628.14
               0.00005
                             0.00004
                                        0.00003
 3754519.50
                 0.00005
                             0.00004
                                        0.00003
 3754410.86
                 0.00005
                             0.00004
                                        0.00003
 3754302.22
                 0.00004
                            0.00004
                                        0.00003
 3754193.58
                 0.00004
                             0.00004
                                        0.00003
                  0.00004
 3754084.94
                             0.00004
                                        0.00003
 3753976.30
                 0.00004
                             0.00004
                                        0.00003
                 0.00004
                            0.00004
 3753867.66
                                        0.00003
 3753759.02
                 0.00004
                            0.00004
                                        0.00003
 3753650.38
                 0.00004
                             0.00004
                                        0.00003
 3753541.74
                 0.00006
                             0.00005
                                        0.00003
                 0.00008
                             0.00007
 3753433.10
                                        0.00003
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc
                                                                                                       01/20/22
16:00:20
                                                                                                       PAGE 54
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ_U*
                          *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                             INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4
                                                                                                  , STCK5
                                                                        , L0002558
              L0002553
                         , L0002554
                                    , L0002555 , L0002556 , L0002557
                                                                                     , L0002559
                                                                                                  , L0002560
              L0002561 , L0002562 , L0002563 , L0002564 , L0002565 , L0002566 , L0002567
                                                                                                  , L0002568 ,
              L0002569 , L0002570 , L0002571 , L0002572 , L0002573 , L0002574 , L0002575
                                                                                                  , . . .
                                      *** DISCRETE CARTESIAN RECEPTOR POINTS ***
                                   ** CONC OF DPM IN MICROGRAMS/M**3
     X-COORD (M) Y-COORD (M)
                                  CONC
                                                          X-COORD (M) Y-COORD (M)
                                                                                       CONC

      401611.34
      3754416.63
      0.00021

      401548.67
      3754638.98
      0.00016

      402492.59
      3754623.98
      0.00021

      402487.63
      3753865.10
      0.00024

                                                                       3754478.07
                                                                                      0.00016
                                                            401540.87
                                                            401600.93
                                                                       3754832.07
                                                                                      0.00017
                                                            402490.28
                                                                       3754733.27
                                                                                      0.00023
                                                            403257.84 3755558.44
                                                                                     0.00010
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year.isc
                                                                                             ***
                                                                                                       01/20/22
                                                                                              ***
16:00:20
                                                                                                       PAGE 55
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                                   *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***
                               ** CONC OF DPM IN MICROGRAMS/M**3
              AVERAGE CONC
                                        RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
GROUP ID
ALL
        1ST HIGHEST VALUE IS 0.00263 AT ( 402068.13, 3754628.14, 44.40, 44.40, 0.00) GC UCART1
        2ND HIGHEST VALUE IS 0.00216 AT ( 402068.13, 3754736.78, 44.20, 44.20, 0.00) GC UCART1
```

```
0.00174 AT ( 402193.18, 3754628.14,
        3RD HIGHEST VALUE IS
                                                                        44.30,
                                                                                  44.30,
                                                                                           0.00) GC UCART1
                                 0.00167 AT ( 402193.18, 3754736.78,
                                                                        45.00,
                                                                                  45.00,
                                                                                           0.00) GC UCART1
        4TH HIGHEST VALUE IS
        5TH HIGHEST VALUE IS
                                 0.00167 AT ( 401943.08, 3754628.14,
                                                                        43.80,
                                                                                  43.80,
                                                                                           0.00) GC UCART1
                                                                        42.40,
        6TH HIGHEST VALUE IS
                                 0.00116 AT ( 401943.08, 3754519.50,
                                                                                  42.40,
                                                                                           0.00) GC UCART1
        7TH HIGHEST VALUE IS
                                  0.00105 AT ( 402193.18, 3754845.42,
                                                                        45.60,
                                                                                  45.60,
                                                                                           0.00) GC UCART1
                                 0.00100 AT (
                                              402193.18, 3754519.50,
                                                                        42.80,
                                                                                           0.00) GC UCART1
        8TH HIGHEST VALUE IS
                                                                                  42.80,
        9TH HIGHEST VALUE IS
                                 0.00098 AT ( 401943.08, 3754736.78,
                                                                        43.40,
                                                                                  43.40,
                                                                                           0.00) GC UCART1
                                 0.00093 AT ( 402068.13, 3754519.50,
                                                                        43.40,
                                                                                 43.40,
                                                                                           0.00) GC UCART1
       10TH HIGHEST VALUE IS
*** RECEPTOR TYPES: GC = GRIDCART
                    GP = GRIDPOLR
                    DC = DISCCART
                    DP = DISCPOLR
                                                                                                    ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2 year\Greenstone 2 year\sc
                                                                                                               01/20/22
***
                                                                                                               16:00:20
                                                                                                               PAGE 56
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ_U*
*** Message Summary : AERMOD Model Execution ***
 ----- Summary of Total Messages -----
A Total of
                    0 Fatal Error Message(s)
A Total of
                    9 Warning Message(s)
A Total of
                 1277 Informational Message(s)
A Total of
                43848 Hours Were Processed
A Total of
                  152 Calm Hours Identified
A Total of
                 1125 Missing Hours Identified ( 2.57 Percent)
   ****** FATAL ERROR MESSAGES ******
             *** NONE ***
   ****** WARNING MESSAGES
                              *****
SO W320
          1097
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
SO W320
          1098
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1099
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1100
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1101
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
                     MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
ME W186
          2229
                                                                                   0.50
                    MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W187
          2229
MX W450
         26305
                     CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                                15010101
MX W450
         26305
                    CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                              2 year gap
```

```
** Lakes Environmental AERMOD MPI
**********
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/20/2022
** File: C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years.ADI
**********
**********
** AERMOD Control Pathway
************
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
  TITLETWO 19471 Greenstone DPM Conc Years 2025 through 2038
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Greenstone 1st 14 years.err"
CO FINISHED
***********
** AERMOD Source Pathway
***********
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION STCK1 POINT 402181.270 3754671.540
                                                        44.810
** DESCRSRC Entrance/exit idling location
                                                        44.040
  LOCATION STCK2
                POINT
                           402180.356 3754589.018
** DESCRSRC Entrance/exit idling location
                POINT 402012.458 3754650.448
                                                        44.270
  LOCATION STCK3
** DESCRSRC Loading dock idling
                              402045.826 3754650.588
  LOCATION STCK4 POINT
                                                        44.470
** DESCRSRC Loading dock idling
                              402074.447 3754650.588
  LOCATION STCK5
                  POINT
                                                        44.550
** DESCRSRC Loading dock idling
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-site truck travel
```

```
** PREFTX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 3.49E-06
** Elevated
** Building Height = 12.50
** SZINIT = 5.81
** Nodes = 9
** 402184.200, 3754671.918, 44.66, 3.50, 4.00
** 401933.856, 3754672.185, 43.63, 3.50, 4.00
** 401928.507, 3754665.766, 43.41, 3.50, 4.00
** 401925.565, 3754654.800, 43.07, 3.50, 4.00
** 401924.763, 3754628.589, 42.91, 3.50, 4.00
** 401925.833, 3754594.889, 42.48, 3.50, 4.00
** 401929.042, 3754590.075, 42.44, 3.50, 4.00
** 401936.264, 3754586.598, 43.42, 3.50, 4.00
** 402185.003, 3754587.935, 43.91, 3.50, 4.00
  LOCATION L0003537
                        VOLUME
                                402179.905 3754671.923 44.82
  LOCATION L0003538
                        VOLUME
                                 402171.314 3754671.932 44.94
  LOCATION L0003539
                        VOLUME
                                 402162.723 3754671.941 44.95
                        VOLUME
                                 402154.133 3754671.950 44.89
  LOCATION L0003540
  LOCATION L0003541
                        VOLUME
                                 402145.542 3754671.959 44.83
                        VOLUME
                                 402136.951 3754671.969 44.81
  LOCATION L0003542
  LOCATION L0003543
                        VOLUME
                                 402128.360 3754671.978 44.81
  LOCATION L0003544
                        VOLUME
                                 402119.769 3754671.987 44.81
  LOCATION L0003545
                        VOLUME
                                 402111.179 3754671.996 44.75
  LOCATION L0003546
                        VOLUME
                                 402102.588 3754672.005 44.65
                        VOLUME
                                 402093.997 3754672.014 44.55
  LOCATION L0003547
  LOCATION L0003548
                        VOLUME
                                 402085.406 3754672.024 44.53
                        VOLUME
                                 402076.815 3754672.033 44.56
  LOCATION L0003549
                                 402068.225 3754672.042 44.60
  LOCATION L0003550
                        VOLUME
  LOCATION L0003551
                        VOLUME
                                 402059.634 3754672.051 44.59
  LOCATION L0003552
                        VOLUME
                                 402051.043 3754672.060 44.55
  LOCATION L0003553
                        VOLUME
                                 402042.452 3754672.069 44.51
  LOCATION L0003554
                        VOLUME
                                 402033.862 3754672.079 44.45
  LOCATION L0003555
                        VOLUME
                                 402025.271 3754672.088 44.37
  LOCATION L0003556
                        VOLUME
                                 402016.680 3754672.097 44.30
  LOCATION L0003557
                        VOLUME
                                 402008.089 3754672.106 44.23
  LOCATION L0003558
                        VOLUME
                                 401999.498 3754672.115 44.16
  LOCATION L0003559
                        VOLUME
                                 401990.908 3754672.125 44.09
                        VOLUME
                                 401982.317 3754672.134 44.03
  LOCATION L0003560
  LOCATION L0003561
                        VOLUME
                                 401973.726 3754672.143 43.96
                                 401965.135 3754672.152 43.89
  LOCATION L0003562
                        VOLUME
  LOCATION L0003563
                        VOLUME
                                 401956.544 3754672.161 43.82
  LOCATION L0003564
                        VOLUME
                                 401947.954 3754672.170 43.74
  LOCATION L0003565
                        VOLUME
                                 401939.363 3754672.180 43.67
  LOCATION L0003566
                        VOLUME
                                 401931.882 3754669.816 43.52
  LOCATION L0003567
                        VOLUME
                                 401927.647 3754662.560 43.38
  LOCATION L0003568
                        VOLUME
                                 401925.548 3754654.244 43.30
  LOCATION L0003569
                        VOLUME
                                 401925.285 3754645.657 43.27
```

```
401924.766 3754628.484 43.24
  LOCATION L0003571
                       VOLUME
  LOCATION L0003572
                       VOLUME
                                401925.039 3754619.897 43.26
  LOCATION L0003573
                       VOLUME
                                401925.311 3754611.311 43.28
  LOCATION L0003574
                                401925.584 3754602.724 43.24
                        VOLUME
                               401926.250 3754594.264 43.18
  LOCATION L0003575
                       VOLUME
  LOCATION L0003576
                       VOLUME
                               401932.246 3754588.532 43.37
                               401940.396 3754586.620 43.52
  LOCATION L0003577
                       VOLUME
  LOCATION L0003578
                       VOLUME
                               401948.986 3754586.666 43.56
  LOCATION L0003579
                        VOLUME
                               401957.577 3754586.712 43.61
  LOCATION L0003580
                       VOLUME
                                401966.168 3754586.759 43.64
                                401974.758 3754586.805 43.66
  LOCATION L0003581
                       VOLUME
  LOCATION L0003582
                       VOLUME
                                401983.349 3754586.851 43.68
                                401991.940 3754586.897 43.72
  LOCATION L0003583
                        VOLUME
  LOCATION L0003584
                       VOLUME
                               402000.530 3754586.943 43.77
  LOCATION L0003585
                       VOLUME
                                402009.121 3754586.990 43.83
                       VOLUME
                               402017.712 3754587.036 43.89
  LOCATION L0003586
  LOCATION L0003587
                       VOLUME
                                402026.303 3754587.082 43.95
                        VOLUME
                                402034.893 3754587.128 44.01
  LOCATION L0003588
  LOCATION L0003589
                       VOLUME
                                402043.484 3754587.174 44.04
  LOCATION L0003590
                       VOLUME
                                402052.075 3754587.220 44.04
  LOCATION L0003591
                       VOLUME
                                402060.665 3754587.267 44.05
  LOCATION L0003592
                        VOLUME
                                402069.256 3754587.313 44.05
                                402077.847 3754587.359 44.06
  LOCATION L0003593
                       VOLUME
  LOCATION L0003594
                       VOLUME
                                402086.437 3754587.405 44.07
  LOCATION L0003595
                       VOLUME
                                402095.028 3754587.451 44.08
                               402103.619 3754587.498 44.11
  LOCATION L0003596
                       VOLUME
  LOCATION L0003597
                       VOLUME
                               402112.209 3754587.544 44.14
                       VOLUME
                               402120.800 3754587.590 44.15
  LOCATION L0003598
  LOCATION L0003599
                       VOLUME 402129.391 3754587.636 44.16
                       VOLUME
                               402137.981 3754587.682 44.18
  LOCATION L0003600
                               402146.572 3754587.729 44.21
  LOCATION L0003601
                       VOLUME
  LOCATION L0003602
                       VOLUME
                               402155.163 3754587.775 44.25
  LOCATION L0003603
                       VOLUME
                               402163.753 3754587.821 44.28
  LOCATION L0003604
                       VOLUME
                               402172.344 3754587.867 44.19
  LOCATION L0003605
                       VOLUME 402180.935 3754587.913 44.01
** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Northbound offsite truck traffic to Florence Ave
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.53E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 10
** 402196.403, 3754671.075, 44.64, 3.49, 4.00
** 402198.605, 3754727.405, 45.27, 3.49, 4.00
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LOCATION L0003570

VOLUME

401925.022 3754637.071 43.25

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** 402202.382, 3754780.274, 45.37, 3.49, 4.00
** 402201.668, 3754904.353, 46.11, 3.49, 4.00
** 402203.205, 3755009.914, 46.43, 3.49, 4.00
** 402203.205, 3755075.505, 45.79, 3.49, 4.00
** 402208.330, 3755083.192, 45.61, 3.49, 4.00
** 402461.984, 3755085.242, 46.94, 3.49, 4.00
** 402468.646, 3755087.291, 46.99, 3.49, 4.00
** 402471.208, 3755454.194, 48.46, 3.49, 4.00
  LOCATION L0003606
                        VOLUME
                                402196.570 3754675.366 44.72
  LOCATION L0003607
                        VOLUME
                                 402196.906 3754683.950 44.79
  LOCATION L0003608
                        VOLUME
                                 402197.242 3754692.533 44.86
                        VOLUME
                                402197.577 3754701.117 44.92
  LOCATION L0003609
                                 402197.913 3754709.700 44.95
  LOCATION L0003610
                        VOLUME
  LOCATION L0003611
                        VOLUME
                                402198.249 3754718.283 44.99
  LOCATION L0003612
                        VOLUME
                                 402198.584 3754726.867 45.02
  LOCATION L0003613
                        VOLUME
                                402199.179 3754735.436 45.08
  LOCATION L0003614
                        VOLUME
                                 402199.791 3754744.004 45.15
                        VOLUME
                                 402200.403 3754752.572 45.22
  LOCATION L0003615
  LOCATION L0003616
                        VOLUME
                                 402201.015 3754761.141 45.28
  LOCATION L0003617
                        VOLUME
                                 402201.627 3754769.709 45.33
  LOCATION L0003618
                        VOLUME
                                 402202.239 3754778.277 45.38
  LOCATION L0003619
                        VOLUME
                                 402202.344 3754786.862 45.42
                        VOLUME
                                 402202.294 3754795.452 45.47
  LOCATION L0003620
  LOCATION L0003621
                        VOLUME
                                 402202.245 3754804.041 45.51
  LOCATION L0003622
                        VOLUME
                                 402202.196 3754812.631 45.56
  LOCATION L0003623
                        VOLUME
                                 402202.146 3754821.221 45.61
  LOCATION L0003624
                        VOLUME
                                 402202.097 3754829.811 45.63
                        VOLUME
                                 402202.047 3754838.401 45.65
  LOCATION L0003625
  LOCATION L0003626
                        VOLUME
                                 402201.998 3754846.991 45.67
                        VOLUME
                                 402201.949 3754855.581 45.71
  LOCATION L0003627
                                 402201.899 3754864.170 45.80
  LOCATION L0003628
                        VOLUME
  LOCATION L0003629
                        VOLUME
                                 402201.850 3754872.760 45.88
  LOCATION L0003630
                        VOLUME
                                 402201.800 3754881.350 45.96
  LOCATION L0003631
                        VOLUME
                                 402201.751 3754889.940 46.01
  LOCATION L0003632
                        VOLUME
                                 402201.701 3754898.530 46.05
  LOCATION L0003633
                        VOLUME
                                 402201.708 3754907.119 46.09
  LOCATION L0003634
                        VOLUME
                                 402201.833 3754915.709 46.13
  LOCATION L0003635
                        VOLUME
                                 402201.958 3754924.298 46.18
  LOCATION L0003636
                        VOLUME
                                 402202.084 3754932.887 46.22
  LOCATION L0003637
                        VOLUME
                                 402202.209 3754941.476 46.26
                        VOLUME
                                 402202.334 3754950.065 46.30
  LOCATION L0003638
  LOCATION L0003639
                        VOLUME
                                 402202.459 3754958.654 46.33
                        VOLUME
                                 402202.584 3754967.243 46.36
  LOCATION L0003640
  LOCATION L0003641
                        VOLUME
                                 402202.709 3754975.832 46.39
  LOCATION L0003642
                        VOLUME
                                 402202.834 3754984.421 46.42
                                 402202.959 3754993.010 46.45
  LOCATION L0003643
                        VOLUME
  LOCATION L0003644
                        VOLUME
                                 402203.084 3755001.599 46.48
  LOCATION L0003645
                        VOLUME
                                 402203.205 3755010.189 46.48
  LOCATION L0003646
                                 402203.205 3755018.779 46.43
                        VOLUME
  LOCATION L0003647
                        VOLUME
                                402203.205 3755027.369 46.39
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LOCATION	L0003648	VOLUME	402203.205	3755035.959	46.34
LOCATION	L0003649	VOLUME	402203.205	3755044.549	46.22
LOCATION	L0003650	VOLUME	402203.205	3755053.139	46.09
LOCATION	L0003651	VOLUME	402203.205	3755061.729	45.95
LOCATION	L0003652	VOLUME	402203.205	3755070.319	45.83
LOCATION	L0003653	VOLUME	402205.093	3755078.337	45.81
LOCATION	L0003654	VOLUME	402211.085	3755083.214	45.94
LOCATION	L0003655	VOLUME	402219.674	3755083.284	46.20
LOCATION	L0003656	VOLUME	402228.264	3755083.353	46.37
LOCATION	L0003657	VOLUME	402236.854	3755083.422	46.46
LOCATION	L0003658	VOLUME	402245.443	3755083.492	46.56
LOCATION	L0003659	VOLUME	402254.033	3755083.561	46.62
LOCATION	L0003660	VOLUME	402262.623	3755083.631	46.66
LOCATION	L0003661	VOLUME	402271.213	3755083.700	46.70
LOCATION	L0003662	VOLUME	402279.802	3755083.770	46.72
LOCATION	L0003663	VOLUME	402288.392	3755083.839	46.72
LOCATION	L0003664	VOLUME	402296.982	3755083.908	46.72
LOCATION	L0003665	VOLUME	402305.571	3755083.978	46.71
LOCATION	L0003666	VOLUME	402314.161	3755084.047	46.69
LOCATION	L0003667	VOLUME	402322.751	3755084.117	46.67
LOCATION	L0003668	VOLUME	402331.341	3755084.186	46.64
LOCATION	L0003669	VOLUME	402339.930	3755084.255	46.60
LOCATION	L0003670	VOLUME	402348.520	3755084.325	46.56
LOCATION	L0003671	VOLUME	402357.110	3755084.394	46.60
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LOCATION	L0003676	VOLUME	402400.058	3755084.741	46.88
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LOCATION	L0003680	VOLUME	402434.417	3755085.019	46.93
LOCATION	L0003681	VOLUME	402443.007	3755085.088	46.93
LOCATION	L0003682	VOLUME	402451.597	3755085.158	46.93
LOCATION	L0003683	VOLUME	402460.186	3755085.227	46.95
LOCATION	L0003684	VOLUME	402468.476	3755087.239	46.99
LOCATION	L0003685	VOLUME	402468.705	3755095.703	47.00
LOCATION	L0003686	VOLUME	402468.765	3755104.293	47.12
LOCATION	L0003687	VOLUME	402468.825	3755112.883	47.24
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LOCATION	L0003689	VOLUME	402468.945	3755130.063	47.47
LOCATION	L0003690	VOLUME	402469.005	3755138.652	47.51
LOCATION	L0003691	VOLUME	402469.065	3755147.242	47.56
LOCATION	L0003692	VOLUME	402469.125		47.61
LOCATION	L0003693	VOLUME	402469.185	3755164.422	47.59
LOCATION	L0003694	VOLUME	402469.245	3755173.012	47.55
LOCATION	L0003695	VOLUME	402469.305	3755181.601	47.51
LOCATION	L0003696	VOLUME	402469.365	3755190.191	47.49
	L0003697	VOLUME	402469.425	3755198.781	47.52
LOCATION	L0003698	VOLUME	402469.485	3755207.371	47.55

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LOCATION L0003699
                        VOLUME
                                402469.545 3755215.960 47.58
                                402469.605 3755224.550 47.64
  LOCATION L0003700
                        VOLUME
  LOCATION L0003701
                        VOLUME
                                402469.665 3755233.140 47.72
  LOCATION L0003702
                        VOLUME
                                402469.724 3755241.730 47.79
  LOCATION L0003703
                                402469.784 3755250.320 47.86
                        VOLUME
                                402469.844 3755258.909 47.81
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                        VOLUME
  LOCATION L0003705
                        VOLUME
                                402469.904 3755267.499 47.75
  LOCATION L0003706
                        VOLUME
                                402469.964 3755276.089 47.69
  LOCATION L0003707
                        VOLUME
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  LOCATION L0003708
                        VOLUME
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                        VOLUME
                                402470.144 3755301.858 47.86
                                402470.204 3755310.448 47.95
  LOCATION L0003710
                        VOLUME
  LOCATION L0003711
                        VOLUME
                                402470.264 3755319.038 47.99
                                402470.324 3755327.628 48.03
  LOCATION L0003712
                        VOLUME
  LOCATION L0003713
                        VOLUME
                                402470.384 3755336.218 48.06
  LOCATION L0003714
                        VOLUME
                                402470.444 3755344.807 48.08
                        VOLUME
                                402470.504 3755353.397 48.05
  LOCATION L0003715
  LOCATION L0003716
                        VOLUME
                                402470.564 3755361.987 48.02
                        VOLUME
                                402470.624 3755370.577 47.98
  LOCATION L0003717
  LOCATION L0003718
                        VOLUME
                                402470.684 3755379.166 48.02
  LOCATION L0003719
                        VOLUME
                                402470.744 3755387.756 48.09
                        VOLUME
                                402470.804 3755396.346 48.17
  LOCATION L0003720
  LOCATION L0003721
                        VOLUME
                                402470.864 3755404.936 48.23
                        VOLUME
                               402470.924 3755413.526 48.25
  LOCATION L0003722
  LOCATION L0003723
                        VOLUME
                                402470.984 3755422.115 48.27
  LOCATION L0003724
                       VOLUME
                               402471.044 3755430.705 48.28
  LOCATION L0003725
                        VOLUME 402471.104 3755439.295 48.32
  LOCATION L0003726
                       VOLUME 402471.164 3755447.885 48.37
** End of LINE VOLUME Source ID = SLINE2
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Southbound offsite truck traffic to Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.99E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 9
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** 402200.050, 3753897.498, 38.19, 3.49, 4.00
** 402201.531, 3753889.352, 38.19, 3.49, 4.00
** 402204.493, 3753886.760, 38.20, 3.49, 4.00
** 402457.396, 3753887.131, 42.07, 3.49, 4.00
** 402464.802, 3753883.428, 42.04, 3.49, 4.00
** 402467.394, 3753877.873, 41.76, 3.49, 4.00
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LOCATION	L0003728	VOLUME	402197.927	3754575.407	43.71
LOCATION	L0003729	VOLUME	402197.954	3754566.817	43.63
LOCATION	L0003730	VOLUME	402197.981	3754558.227	43.54
LOCATION	L0003731	VOLUME	402198.007	3754549.637	43.46
LOCATION	L0003732	VOLUME	402198.034	3754541.047	43.36
LOCATION	L0003733	VOLUME	402198.061	3754532.457	43.22
LOCATION	L0003734	VOLUME	402198.088	3754523.867	43.08
LOCATION	L0003735	VOLUME	402198.115	3754515.277	42.93
LOCATION	L0003736	VOLUME	402198.142	3754506.687	42.79
LOCATION	L0003737	VOLUME	402198.169	3754498.097	42.65
LOCATION	L0003738	VOLUME	402198.196	3754489.507	42.50
LOCATION	L0003739	VOLUME	402198.223	3754480.917	42.37
LOCATION	L0003740	VOLUME	402198.250	3754472.327	42.28
LOCATION	L0003741	VOLUME	402198.276	3754463.737	42.19
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LOCATION	L0003745	VOLUME	402198.384	3754429.378	41.80
LOCATION	L0003746	VOLUME	402198.411	3754420.788	41.71
LOCATION	L0003747	VOLUME	402198.438	3754412.198	41.62
LOCATION	L0003748	VOLUME	402198.465	3754403.608	41.53
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LOCATION	L0003753	VOLUME	402198.599	3754360.658	40.66
LOCATION	L0003754	VOLUME	402198.626	3754352.068	40.57
LOCATION	L0003755	VOLUME	402198.653	3754343.478	40.51
LOCATION	L0003756	VOLUME	402198.680	3754334.888	40.44
LOCATION	L0003757	VOLUME	402198.707	3754326.298	40.37
LOCATION	L0003758	VOLUME	402198.734	3754317.708	40.27
LOCATION	L0003759	VOLUME	402198.761	3754309.118	40.17
LOCATION	L0003760	VOLUME	402198.788	3754300.528	40.08
LOCATION	L0003761	VOLUME	402198.814	3754291.938	40.06
LOCATION	L0003762	VOLUME	402198.841	3754283.348	40.09
LOCATION	L0003763	VOLUME	402198.868	3754274.758	40.11
LOCATION	L0003764	VOLUME	402198.895	3754266.168	40.13
LOCATION	L0003765	VOLUME	402198.922	3754257.578	40.11
LOCATION	L0003766	VOLUME	402198.949	3754248.988	40.09
LOCATION	L0003767	VOLUME	402198.976	3754240.398	40.08
LOCATION	L0003768	VOLUME	402199.003	3754231.809	40.03
LOCATION	L0003769	VOLUME	402199.030	3754223.219	39.95
LOCATION	L0003770	VOLUME	402199.057	3754214.629	39.87
LOCATION	L0003771	VOLUME	402199.083	3754206.039	39.80
LOCATION	L0003772	VOLUME	402199.110	3754197.449	39.72
LOCATION	L0003773	VOLUME	402199.137	3754188.859	39.65
LOCATION	L0003774	VOLUME	402199.164	3754180.269	39.58
LOCATION	L0003775	VOLUME	402199.191	3754171.679	39.52
LOCATION	L0003776	VOLUME	402199.218	3754163.089	39.48
LOCATION	L0003777	VOLUME	402199.245	3754154.499	39.45

LOCATION	L0003778	VOLUME	402199.272	3754145.909	39.42
LOCATION	L0003779	VOLUME	402199.299	3754137.319	39.38
LOCATION	L0003780	VOLUME	402199.326	3754128.729	39.34
LOCATION	L0003781	VOLUME	402199.352	3754120.139	39.30
LOCATION	L0003782	VOLUME	402199.379	3754111.549	39.28
LOCATION	L0003783	VOLUME	402199.406	3754102.959	39.32
LOCATION	L0003784	VOLUME	402199.433	3754094.369	39.37
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LOCATION	L0003787	VOLUME	402199.514	3754068.599	39.50
LOCATION	L0003788	VOLUME	402199.541	3754060.009	39.55
LOCATION	L0003789	VOLUME	402199.568	3754051.419	39.59
LOCATION	L0003790	VOLUME	402199.595	3754042.829	39.51
LOCATION	L0003791	VOLUME	402199.621	3754034.240	39.43
LOCATION	L0003792	VOLUME	402199.648	3754025.650	39.35
LOCATION	L0003793	VOLUME	402199.675	3754017.060	39.26
LOCATION	L0003794	VOLUME	402199.702	3754008.470	39.17
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LOCATION	L0003796	VOLUME	402199.756	3753991.290	38.98
LOCATION	L0003797	VOLUME	402199.783	3753982.700	38.86
LOCATION	L0003798	VOLUME	402199.810	3753974.110	38.73
LOCATION	L0003799	VOLUME	402199.837	3753965.520	38.61
LOCATION	L0003800	VOLUME	402199.864	3753956.930	38.49
	L0003801	VOLUME	402199.890	3753948.340	38.41
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	L0003803	VOLUME	402199.944	3753931.160	38.26
	L0003804	VOLUME	402199.971	3753922.570	38.21
	L0003805	VOLUME	402199.998	3753913.980	38.19
	L0003806	VOLUME	402200.025	3753905.390	38.16
	L0003807	VOLUME	402200.175	3753896.811	38.13
	L0003808	VOLUME	402202.290	3753888.688	38.05
	L0003809	VOLUME	402210.155	3753886.769	38.15
	L0003810	VOLUME	402218.745	3753886.781	38.34
	L0003811	VOLUME	402227.335	3753886.794	38.54
	L0003812	VOLUME	402235.925	3753886.806	38.74
	L0003813	VOLUME	402244.515	3753886.819	38.85
	L0003814	VOLUME	402253.105	3753886.831	38.97
	L0003815	VOLUME	402261.695	3753886.844	39.08
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	L0003817	VOLUME	402278.875	3753886.869	39.43
	L0003818	VOLUME	402287.465	3753886.882	39.61
	L0003819	VOLUME	402296.055	3753886.894	39.70
	L0003820	VOLUME	402304.645	3753886.907	39.77
	L0003821	VOLUME	402313.235	3753886.919	39.85
	L0003822	VOLUME	402321.825	3753886.932	40.05
	L0003823	VOLUME	402330.415	3753886.945	40.26
	L0003824	VOLUME	402339.005	3753886.957	40.46
	L0003825	VOLUME	402347.595	3753886.970	40.64
	L0003825	VOLUME	402356.185	3753886.982	40.82
	L0003827	VOLUME	402364.775	3753886.995	41.00
	L0003827	VOLUME		3753887.008	
LOCALION	1000000	A OTTOLIE	1023/3.303	3,33001.000	11.11

LOCATION	L0003829	VOLUME	402381.955	3753887.020	41.22
LOCATION	L0003830	VOLUME	402390.545	3753887.033	41.34
LOCATION	L0003831	VOLUME	402399.135	3753887.045	41.52
LOCATION	L0003832	VOLUME	402407.725	3753887.058	41.70
LOCATION	L0003833	VOLUME	402416.315	3753887.070	41.88
LOCATION	L0003834	VOLUME	402424.905	3753887.083	41.94
LOCATION	L0003835	VOLUME	402433.495	3753887.096	42.00
LOCATION	L0003836	VOLUME	402442.085	3753887.108	42.05
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LOCATION	L0003838	VOLUME	402459.068	3753886.295	41.98
LOCATION	L0003839	VOLUME	402465.723	3753881.453	41.89
LOCATION	L0003840	VOLUME	402467.879	3753873.259	41.78
LOCATION	L0003841	VOLUME	402468.779	3753864.716	41.69
LOCATION	L0003842	VOLUME	402468.886	3753856.131	41.67
LOCATION	L0003843	VOLUME	402468.899	3753847.541	41.65
LOCATION	L0003844	VOLUME	402468.911	3753838.951	41.63
LOCATION	L0003845	VOLUME	402468.924	3753830.361	41.61
LOCATION	L0003846	VOLUME	402468.936	3753821.771	41.59
LOCATION	L0003847	VOLUME	402468.949	3753813.181	41.57
LOCATION	L0003848	VOLUME	402468.961	3753804.591	41.56
LOCATION	L0003849	VOLUME	402468.974	3753796.001	41.53
LOCATION	L0003850	VOLUME	402468.987	3753787.411	41.51
LOCATION	L0003851	VOLUME	402468.999	3753778.821	41.49
LOCATION	L0003852	VOLUME	402469.012	3753770.231	41.46
LOCATION	L0003853	VOLUME	402469.024	3753761.641	41.41
LOCATION	L0003854	VOLUME	402469.037	3753753.051	41.37
LOCATION	L0003855	VOLUME	402469.049	3753744.461	41.32
LOCATION	L0003856	VOLUME	402469.062	3753735.871	41.27
LOCATION	L0003857	VOLUME	402469.075	3753727.281	41.21
LOCATION	L0003858	VOLUME	402469.087	3753718.691	41.15
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LOCATION	L0003860	VOLUME	402469.112	3753701.511	41.02
LOCATION	L0003861	VOLUME	402469.125	3753692.921	40.95
LOCATION	L0003862	VOLUME	402469.137	3753684.331	40.87
LOCATION	L0003863	VOLUME	402469.150	3753675.741	40.79
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LOCATION	L0003865	VOLUME	402469.175	3753658.561	40.63
LOCATION	L0003866	VOLUME	402469.188	3753649.971	40.54
LOCATION	L0003867	VOLUME	402469.200	3753641.381	40.44
LOCATION	L0003868	VOLUME	402469.213	3753632.791	40.35
LOCATION	L0003869	VOLUME	402469.225	3753624.201	40.25
LOCATION	L0003870	VOLUME	402469.238	3753615.611	40.14
LOCATION	L0003871	VOLUME	402469.250	3753607.022	40.02
LOCATION	L0003872	VOLUME	402469.263	3753598.432	39.90
LOCATION	L0003873	VOLUME	402469.276	3753589.842	39.77
LOCATION	L0003874	VOLUME	402469.288	3753581.252	39.65
LOCATION	L0003875	VOLUME	402469.301	3753572.662	39.52
LOCATION		VOLUME	402469.313	3753564.072	39.39
LOCATION		VOLUME	402469.326	3753555.482	39.26
	L0003878	VOLUME	402469.338	3753546.892	39.13
LOCATION	L0003879	VOLUME	402469.351	3753538.302	39.00

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LOCATION L0003880
                       VOLUME 402469.363 3753529.712 38.86
                       VOLUME 402469.376 3753521.122 38.68
  LOCATION L0003881
  LOCATION L0003882
                       VOLUME 402469.389 3753512.532 38.44
  LOCATION L0003883
                       VOLUME 402469.401 3753503.942 38.21
  LOCATION L0003884
                       VOLUME 402469.414 3753495.352 37.97
** End of LINE VOLUME Source ID = SLINE3
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC East and West along Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.78E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 11
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	L0003910	VOLUME	401385.053	3753487.300	32.11
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	L0003949	VOLUME	401410.823	3753487.308	32.22
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	L0003953		401436.593	3753487.503	32.82
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		VOLUME		3753487.570	
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LOCATION	L0003972	VOLUME	401599.801	3753488.144	34.28
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	L0003977	VOLUME	401642.751	3753488.313	34.64
	L0003978	VOLUME	401651.341	3753488.347	34.66
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	L0003980	VOLUME	401668.521	3753488.415	34.70
	L0003981	VOLUME	401677.111	3753488.448	
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	L0003983	VOLUME	401694.291	3753488.516	34.66
	L0003984	VOLUME	401702.881	3753488.550	34.64
	L0003985	VOLUME	401711.471	3753488.584	34.62
	L0003986	VOLUME	401720.061	3753488.617	34.60
	L0003987	VOLUME	401728.650	3753488.651	34.64
	L0003988	VOLUME	401737.240	3753488.685	34.68
	L0003989	VOLUME	401745.830	3753488.719	34.72
	L0003990	VOLUME	401754.420	3753488.752	34.71
	L0003991	VOLUME	401763.010	3753488.786	34.70
	L0003992	VOLUME	401771.600	3753488.820	34.68
	L0003993	VOLUME	401780.190	3753488.854	34.63
	L0003994	VOLUME	401788.780	3753488.887	34.57
	L0003995	VOLUME	401797.370	3753488.921	34.51
	L0003996	VOLUME	401805.960	3753488.955	34.41
	L0003997	VOLUME	401814.550	3753488.989	34.32
	L0003997	VOLUME	401823.140	3753489.023	34.22
	L0003999	VOLUME	401831.730	3753489.056	34.10
	L0004000	VOLUME	401840.320	3753489.090	33.97
	L0004000	VOLUME	401848.910	3753489.090	33.86
	L0004001	VOLUME	401857.499	3753489.124	33.79
	L0004002	VOLUME	401866.089	3753489.191	33.79
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	L0004004	VOLUME	401883.269	3753489.259	33.49
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	L0004006	VOLUME	401891.859		33.35
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LOCATION	L0004016	VOLUME	401977.759	3753489.631	32.95
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	L0004039	VOLUME	402175.327	3753490.407	36.92
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	L0004041	VOLUME	402192.507	3753490.475	37.17
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	L0004045	VOLUME	402226.867	3753490.570	37.59
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	L0004047	VOLUME	402244.046	3753490.678	37.70
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	L0004051	VOLUME	402278.406	3753490.813	38.36
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LOCATION	L0004067	VOLUME	402415.606	3753487.047	38.42
LOCATION	L0004068	VOLUME	402424.111	3753485.845	38.36
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LOCATION	L0004082	VOLUME	402543.117	3753468.644	36.90
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LOCATION	L0004084	VOLUME	402560.194	3753466.911	36.64
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LOCATION	L0004092	VOLUME	402628.835	3753464.744	35.47
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	L0004097	VOLUME	402671.782	3753465.271	34.59
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LOCATION	L0004101	VOLUME	402706.141	3753465.578	33.78
	L0004102	VOLUME	402714.730	3753465.655	33.52
LOCATION	L0004103	VOLUME	402723.320	3753465.731	33.29
	L0004104	VOLUME	402731.910	3753465.807	33.12
	L0004105	VOLUME	402740.499	3753465.884	32.96
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LOCATION	L0004109	VOLUME	402774.858	3753466.189	32.31

LOCATION	L0004110	VOLUME	402783.448	3753466.265	32.17
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LOCATION	L0004113	VOLUME	402809.217	3753466.495	31.75
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LOCATION	L0004115	VOLUME	402826.396	3753466.647	31.45
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LOCATION	L0004117	VOLUME	402843.575	3753466.800	31.17
LOCATION	L0004118	VOLUME	402852.165	3753466.876	31.07
LOCATION	L0004119	VOLUME	402860.755	3753466.953	31.03
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LOCATION	L0004122	VOLUME	402886.524	3753467.182	30.96
LOCATION	L0004123	VOLUME	402895.113	3753467.258	30.95
LOCATION	L0004124	VOLUME	402903.703	3753467.334	30.94
	L0004125	VOLUME	402912.293	3753467.411	30.93
	L0004126	VOLUME	402920.882	3753467.487	30.92
	L0004127	VOLUME	402929.472	3753467.563	30.91
	L0004128	VOLUME	402938.062	3753467.640	30.90
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	L0004130	VOLUME	402955.241	3753467.793	30.83
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	L0004132	VOLUME	402972.420	3753467.945	30.58
	L0004133	VOLUME	402981.010	3753468.022	30.50
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	L0004135	VOLUME	402998.189	3753468.174	30.47
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	L0004137	VOLUME	403015.369	3753468.327	30.46
	L0004138	VOLUME	403023.958	3753468.403	30.46
	L0004139	VOLUME	403032.548	3753468.480	30.46
	L0004140	VOLUME	403041.138	3753468.556	30.46
	L0004141	VOLUME	403049.727	3753468.632	30.46
	L0004142	VOLUME	403058.317	3753468.709	30.45
	L0004143	VOLUME	403066.907	3753468.785	30.43
	L0004144	VOLUME	403075.496	3753468.861	30.42
	L0004145	VOLUME	403084.086	3753468.938	30.41
	L0004146	VOLUME	403092.676	3753469.014	30.41
	L0004147	VOLUME	403101.265	3753469.091	30.41
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	L0004149	VOLUME	403118.445	3753469.243	30.41
	L0004150	VOLUME	403127.034	3753469.320	30.41
	L0004151	VOLUME	403135.624	3753469.396	30.41
	L0004152	VOLUME	403144.214	3753469.472	30.40
	L0004152	VOLUME	403152.803	3753469.549	30.40
	L0004153	VOLUME	403161.393	3753469.625	30.42
	L0004154	VOLUME	403169.983	3753469.701	30.46
	L0004155	VOLUME	403178.572	3753469.778	30.50
	L0004150	VOLUME	403187.162	3753469.854	30.49
	L0004157	VOLUME	403195.751	3753469.834	30.43
	L0004158	VOLUME	403204.341	3753409.930	30.43
	L0004159	VOLUME	403212.931	3753470.007	30.34
TOCALION	TOOOTIOO	A OTTOIATE	10244.731	2122710.003	JU.J4

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LOCATION L0004161
                       VOLUME 403221.520 3753470.159 30.34
                       VOLUME 403230.110 3753470.236 30.33
  LOCATION L0004162
  LOCATION L0004163
                       VOLUME 403238.700 3753470.312 30.35
  LOCATION L0004164
                       VOLUME 403247.289 3753470.389 30.40
  LOCATION L0004165
                       VOLUME 403255.879 3753470.465 30.46
** End of LINE VOLUME Source ID = SLINE4
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC East and West along Florence Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.8E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 25
** 400842.713, 3755482.255, 41.88, 3.49, 4.00
** 401462.626, 3755482.255, 42.98, 3.49, 4.00
** 401517.004, 3755489.053, 42.88, 3.49, 4.00
** 401621.683, 3755491.772, 44.00, 3.49, 4.00
** 401797.053, 3755483.615, 46.63, 3.49, 4.00
** 401932.999, 3755479.537, 45.97, 3.49, 4.00
** 402134.199, 3755475.458, 46.07, 3.49, 4.00
** 402299.682, 3755469.974, 47.69, 3.49, 4.00
** 402367.362, 3755468.949, 47.96, 3.49, 4.00
** 402445.297, 3755467.923, 48.40, 3.49, 4.00
** 402477.086, 3755467.410, 48.57, 3.49, 4.00
** 402509.388, 3755473.050, 48.64, 3.49, 4.00
** 402545.792, 3755479.716, 48.92, 3.49, 4.00
** 402592.450, 3755490.996, 48.92, 3.49, 4.00
** 402652.952, 3755503.814, 49.03, 3.49, 4.00
** 402719.094, 3755509.967, 49.51, 3.49, 4.00
** 402763.702, 3755510.480, 49.74, 3.49, 4.00
** 402838.047, 3755510.480, 50.18, 3.49, 4.00
** 402901.113, 3755512.018, 50.62, 3.49, 4.00
** 402944.695, 3755513.556, 50.56, 3.49, 4.00
** 402992.891, 3755516.632, 50.69, 3.49, 4.00
** 403060.059, 3755527.400, 50.76, 3.49, 4.00
** 403106.717, 3755538.167, 51.20, 3.49, 4.00
** 403167.732, 3755555.600, 51.49, 3.49, 4.00
** 403282.117, 3755585.943, 49.97, 3.49, 4.00
  LOCATION L0004166
                       VOLUME 400847.008 3755482.255 41.80
  LOCATION L0004167
                       VOLUME 400855.598 3755482.255 41.69
                       VOLUME
  LOCATION L0004168
                                400864.188 3755482.255 41.58
  LOCATION L0004169
                       VOLUME
                                400872.778 3755482.255 41.65
  LOCATION L0004170
                       VOLUME
                                400881.368 3755482.255 41.79
  LOCATION L0004171
                        VOLUME
                               400889.958 3755482.255 41.93
```

VOLUME 400898.548 3755482.255 41.99

LOCATION L0004172

LOCATION	L0004173	VOLUME	400907.138	3755482.255	42.02
LOCATION	L0004174	VOLUME	400915.728	3755482.255	42.05
LOCATION	L0004175	VOLUME	400924.318	3755482.255	42.06
LOCATION	L0004176	VOLUME	400932.908	3755482.255	42.05
LOCATION	L0004177	VOLUME	400941.498	3755482.255	42.05
LOCATION	L0004178	VOLUME	400950.088	3755482.255	42.18
LOCATION	L0004179	VOLUME	400958.678	3755482.255	42.35
LOCATION	L0004180	VOLUME	400967.268	3755482.255	42.52
LOCATION	L0004181	VOLUME	400975.858	3755482.255	42.58
LOCATION	L0004182	VOLUME	400984.448	3755482.255	42.61
LOCATION	L0004183	VOLUME	400993.038	3755482.255	42.63
LOCATION	L0004184	VOLUME	401001.628	3755482.255	42.66
LOCATION	L0004185	VOLUME	401010.218	3755482.255	42.69
LOCATION	L0004186	VOLUME	401018.808	3755482.255	42.72
LOCATION	L0004187	VOLUME	401027.398	3755482.255	42.72
LOCATION	L0004188	VOLUME	401035.988	3755482.255	42.71
LOCATION	L0004189	VOLUME	401044.578	3755482.255	42.70
LOCATION	L0004190	VOLUME	401053.168	3755482.255	42.70
LOCATION	L0004191	VOLUME	401061.758	3755482.255	42.70
LOCATION	L0004192	VOLUME	401070.348	3755482.255	42.71
LOCATION	L0004193	VOLUME	401078.938	3755482.255	42.74
LOCATION	L0004194	VOLUME	401087.528	3755482.255	42.79
LOCATION	L0004195	VOLUME	401096.118	3755482.255	42.83
LOCATION	L0004196	VOLUME	401104.708	3755482.255	42.91
LOCATION	L0004197	VOLUME	401113.298	3755482.255	43.01
LOCATION	L0004198	VOLUME	401121.888	3755482.255	43.10
LOCATION	L0004199	VOLUME	401130.478	3755482.255	43.07
LOCATION	L0004200	VOLUME	401139.068	3755482.255	43.02
LOCATION	L0004201	VOLUME	401147.658	3755482.255	42.97
LOCATION	L0004202	VOLUME	401156.248	3755482.255	42.94
LOCATION	L0004203	VOLUME	401164.838	3755482.255	42.92
LOCATION	L0004204	VOLUME	401173.428	3755482.255	42.90
LOCATION	L0004205	VOLUME	401182.018	3755482.255	42.92
LOCATION	L0004206	VOLUME	401190.608	3755482.255	42.95
LOCATION	L0004207	VOLUME	401199.198	3755482.255	42.97
LOCATION	L0004208	VOLUME	401207.788	3755482.255	43.01
LOCATION	L0004209	VOLUME	401216.378	3755482.255	43.04
LOCATION	L0004210	VOLUME	401224.968	3755482.255	43.07
LOCATION	L0004211	VOLUME	401233.558	3755482.255	43.04
LOCATION	L0004212	VOLUME	401242.148	3755482.255	43.00
LOCATION	L0004213	VOLUME	401250.738	3755482.255	42.95
LOCATION	L0004214	VOLUME	401259.328	3755482.255	42.99
LOCATION	L0004215	VOLUME	401267.918	3755482.255	43.04
LOCATION	L0004216	VOLUME	401276.508	3755482.255	43.09
LOCATION	L0004217	VOLUME	401285.098	3755482.255	43.14
LOCATION	L0004218	VOLUME	401293.688	3755482.255	43.19
LOCATION	L0004219	VOLUME	401302.278	3755482.255	43.24
LOCATION	L0004220	VOLUME	401310.868	3755482.255	43.29
LOCATION	L0004221	VOLUME	401319.458	3755482.255	43.33
LOCATION	L0004222	VOLUME	401328.048	3755482.255	43.37
LOCATION	L0004223	VOLUME	401336.638	3755482.255	43.27

LOCATION	L0004224	VOLUME	401345.228	3755482.255	43.15
LOCATION	L0004225	VOLUME	401353.818	3755482.255	43.04
LOCATION	L0004226	VOLUME	401362.408	3755482.255	43.01
LOCATION	L0004227	VOLUME	401370.998	3755482.255	42.98
LOCATION	L0004228	VOLUME	401379.588	3755482.255	42.95
LOCATION	L0004229	VOLUME	401388.178	3755482.255	42.92
LOCATION	L0004230	VOLUME	401396.768	3755482.255	42.88
LOCATION	L0004231	VOLUME	401405.358	3755482.255	42.85
LOCATION	L0004232	VOLUME	401413.948	3755482.255	42.84
LOCATION	L0004233	VOLUME	401422.538	3755482.255	42.84
LOCATION	L0004234	VOLUME	401431.128	3755482.255	42.83
LOCATION	L0004235	VOLUME	401439.718	3755482.255	42.90
LOCATION	L0004236	VOLUME	401448.308	3755482.255	42.97
LOCATION	L0004237	VOLUME	401456.898	3755482.255	43.04
LOCATION	L0004238	VOLUME	401465.466	3755482.610	42.93
LOCATION	L0004239	VOLUME	401473.989	3755483.676	42.82
LOCATION	L0004240	VOLUME	401482.513	3755484.741	42.72
LOCATION	L0004241	VOLUME	401491.037	3755485.807	42.79
	L0004242	VOLUME	401499.560	3755486.872	42.86
LOCATION	L0004243	VOLUME	401508.084	3755487.938	42.93
LOCATION	L0004244	VOLUME	401516.608	3755489.003	42.98
LOCATION	L0004245	VOLUME	401525.192	3755489.265	43.02
LOCATION	L0004246	VOLUME	401533.779	3755489.488	43.06
LOCATION	L0004247	VOLUME	401542.366	3755489.711	43.15
	L0004248	VOLUME	401550.953	3755489.935	43.25
LOCATION	L0004249	VOLUME	401559.540	3755490.158	43.35
	L0004250	VOLUME	401568.127	3755490.381	43.50
	L0004251	VOLUME	401576.714	3755490.604	43.66
	L0004252	VOLUME	401585.301	3755490.827	43.81
LOCATION	L0004253	VOLUME	401593.889	3755491.050	43.93
	L0004254	VOLUME	401602.476		44.04
LOCATION	L0004255	VOLUME	401611.063	3755491.496	44.16
	L0004256	VOLUME	401619.650	3755491.719	44.19
	L0004257	VOLUME	401628.232	3755491.467	44.21
LOCATION	L0004258	VOLUME	401636.813	3755491.068	44.24
LOCATION	L0004259	VOLUME	401645.393	3755490.669	44.23
LOCATION	L0004260	VOLUME	401653.974	3755490.270	44.23
LOCATION	L0004261	VOLUME	401662.555	3755489.871	44.22
LOCATION	L0004262	VOLUME	401671.136	3755489.472	44.39
	L0004263	VOLUME	401679.716	3755489.072	44.56
	L0004264	VOLUME	401688.297	3755488.673	44.74
	L0004265	VOLUME	401696.878	3755488.274	44.95
	L0004266	VOLUME	401705.459	3755487.875	45.17
	L0004267	VOLUME	401714.039	3755487.476	45.40
	L0004268	VOLUME	401722.620	3755487.077	45.44
	L0004269	VOLUME	401731.201	3755486.678	45.48
	L0004270	VOLUME	401739.781	3755486.279	45.53
	L0004271	VOLUME	401748.362	3755485.880	45.53
	L0004272	VOLUME	401756.943	3755485.480	45.53
	L0004273	VOLUME	401765.524	3755485.081	45.53
	L0004274	VOLUME		3755484.682	
_001111011		. 320		2.30101.002	-3.33

LOCATION	L0004275	VOLUME	401782.685	3755484.283	45.53
LOCATION	L0004276	VOLUME	401791.266	3755483.884	45.54
LOCATION	L0004277	VOLUME	401799.848	3755483.531	45.49
LOCATION	L0004278	VOLUME	401808.434	3755483.273	45.44
LOCATION	L0004279	VOLUME	401817.021	3755483.016	45.39
LOCATION	L0004280	VOLUME	401825.607	3755482.758	45.28
LOCATION	L0004281	VOLUME	401834.193	3755482.501	45.17
LOCATION	L0004282	VOLUME	401842.779	3755482.243	45.06
LOCATION	L0004283	VOLUME	401851.365	3755481.986	44.97
LOCATION	L0004284	VOLUME	401859.951	3755481.728	44.87
LOCATION	L0004285	VOLUME	401868.537	3755481.470	44.78
LOCATION	L0004286	VOLUME	401877.124	3755481.213	44.72
LOCATION	L0004287	VOLUME	401885.710	3755480.955	44.66
LOCATION	L0004288	VOLUME	401894.296	3755480.698	44.60
LOCATION	L0004289	VOLUME	401902.882	3755480.440	44.62
LOCATION	L0004290	VOLUME	401911.468	3755480.182	44.64
LOCATION	L0004291	VOLUME	401920.054	3755479.925	44.65
LOCATION	L0004292	VOLUME	401928.640	3755479.667	44.51
LOCATION	L0004293	VOLUME	401937.228	3755479.451	44.36
LOCATION	L0004294	VOLUME	401945.816	3755479.277	44.21
LOCATION	L0004295	VOLUME	401954.404	3755479.103	44.16
LOCATION	L0004296	VOLUME	401962.992	3755478.929	44.10
LOCATION	L0004297	VOLUME	401971.580	3755478.754	44.06
LOCATION	L0004298	VOLUME	401980.169	3755478.580	44.13
LOCATION	L0004299	VOLUME	401988.757	3755478.406	44.21
LOCATION	L0004300	VOLUME	401997.345	3755478.232	44.29
LOCATION	L0004301	VOLUME	402005.933	3755478.058	44.49
LOCATION	L0004302	VOLUME	402014.522	3755477.884	44.69
LOCATION	L0004303	VOLUME	402023.110	3755477.710	44.87
LOCATION	L0004304	VOLUME	402031.698	3755477.536	44.99
LOCATION	L0004305	VOLUME	402040.286	3755477.362	45.11
LOCATION	L0004306	VOLUME	402048.875	3755477.188	45.21
LOCATION	L0004307	VOLUME	402057.463	3755477.014	45.23
LOCATION	L0004308	VOLUME	402066.051	3755476.840	45.25
LOCATION	L0004309	VOLUME	402074.639	3755476.665	45.29
LOCATION	L0004310	VOLUME	402083.228	3755476.491	45.43
LOCATION	L0004311	VOLUME	402091.816	3755476.317	45.56
LOCATION	L0004312	VOLUME	402100.404	3755476.143	45.70
LOCATION	L0004313	VOLUME	402108.992	3755475.969	45.79
LOCATION	L0004314	VOLUME	402117.580	3755475.795	45.88
LOCATION	L0004315	VOLUME	402126.169	3755475.621	45.98
LOCATION	L0004316	VOLUME	402134.757	3755475.440	46.18
LOCATION	L0004317	VOLUME	402143.342	3755475.155	46.37
LOCATION		VOLUME	402151.927	3755474.871	46.55
LOCATION	L0004319	VOLUME	402160.513	3755474.586	46.65
	L0004320	VOLUME	402169.098	3755474.302	46.75
LOCATION		VOLUME	402177.683	3755474.017	46.87
	L0004322	VOLUME	402186.268	3755473.733	47.01
	L0004323	VOLUME	402194.854	3755473.448	47.15
	L0004324	VOLUME	402203.439	3755473.163	47.28
LOCATION	L0004325	VOLUME	402212.024	3755472.879	47.38

LOCATION	L0004326	VOLUME	402220.610	3755472.594	47.48
LOCATION	L0004327	VOLUME	402229.195	3755472.310	47.57
LOCATION	L0004328	VOLUME	402237.780	3755472.025	47.60
LOCATION	L0004329	VOLUME	402246.365	3755471.741	47.63
LOCATION	L0004330	VOLUME	402254.951	3755471.456	47.65
LOCATION	L0004331	VOLUME	402263.536	3755471.172	47.66
LOCATION	L0004332	VOLUME	402272.121	3755470.887	47.67
LOCATION	L0004333	VOLUME	402280.707	3755470.603	47.68
LOCATION	L0004334	VOLUME	402289.292	3755470.318	47.68
LOCATION	L0004335	VOLUME	402297.877	3755470.034	47.69
LOCATION	L0004336	VOLUME	402306.465	3755469.871	47.72
LOCATION	L0004337	VOLUME	402315.054	3755469.741	47.76
LOCATION	L0004338	VOLUME	402323.643	3755469.611	47.81
LOCATION	L0004339	VOLUME	402332.232	3755469.481	47.85
LOCATION	L0004340	VOLUME	402340.821	3755469.351	47.88
LOCATION	L0004341	VOLUME	402349.410	3755469.221	47.91
	L0004342	VOLUME	402358.000	3755469.090	47.93
	L0004343	VOLUME	402366.589	3755468.960	47.96
	L0004344	VOLUME	402375.178	3755468.846	47.98
	L0004345	VOLUME	402383.767	3755468.733	48.02
	L0004346	VOLUME	402392.356	3755468.620	48.06
LOCATION	L0004347	VOLUME	402400.946	3755468.507	48.11
	L0004348	VOLUME	402409.535	3755468.394	
	L0004349	VOLUME	402418.124	3755468.281	
	L0004350	VOLUME	402426.713	3755468.168	
	L0004351	VOLUME	402435.303	3755468.055	48.35
	L0004352	VOLUME	402443.892	3755467.942	
	L0004353	VOLUME	402452.481	3755467.807	48.47
	L0004354	VOLUME	402461.070	3755467.669	
	L0004355	VOLUME	402469.659	3755467.530	48.51
	L0004356	VOLUME	402478.230	3755467.610	48.52
	L0004357	VOLUME	402486.692		
	L0004358	VOLUME		3755470.565	48.60
	L0004359	VOLUME	402503.616	3755472.043	48.68
	L0004360	VOLUME		3755473.542	48.77
	L0004361	VOLUME	402520.524		48.83
	L0004362	VOLUME	402528.973	3755476.636	48.88
	L0004363	VOLUME	402537.423	3755478.184	48.93
	L0004364	VOLUME	402545.871	3755479.735	48.96
	L0004365	VOLUME	402554.221	3755481.754	
	L0004366	VOLUME	402562.570	3755483.772	
	L0004367	VOLUME	402570.920	3755485.791	48.90
	L0004368	VOLUME	402579.269	3755487.809	48.90
	L0004369	VOLUME	402587.619	3755489.828	48.91
	L0004309	VOLUME	402595.991	3755491.746	48.93
	L0004370	VOLUME	402604.394	3755491.740	48.93
	L0004371	VOLUME	402612.798	3755495.307	48.92
	L0004372	VOLUME	402621.201	3755497.087	48.93
	L0004373	VOLUME	402629.605	3755497.067	48.93
	L0004374 L0004375	VOLUME		3755500.648	48.94
	L0004375	VOLUME		3755500.648	48.94
LOCALION	ПООО#3/0	AOTOME	402040.412	3133304.428	49.04

LOCATION	L0004377	VOLUME	402654.848	3755503.991	49.14
LOCATION	L0004378	VOLUME	402663.401	3755504.786	49.22
LOCATION	L0004379	VOLUME	402671.955	3755505.582	49.33
LOCATION	L0004380	VOLUME	402680.508	3755506.377	49.43
LOCATION	L0004381	VOLUME	402689.061	3755507.173	49.51
LOCATION	L0004382	VOLUME	402697.614	3755507.969	49.50
LOCATION	L0004383	VOLUME	402706.167	3755508.764	49.48
LOCATION	L0004384	VOLUME	402714.720	3755509.560	49.47
LOCATION	L0004385	VOLUME	402723.291	3755510.015	49.49
LOCATION	L0004386	VOLUME	402731.880	3755510.114	49.53
LOCATION	L0004387	VOLUME	402740.470	3755510.213	49.56
LOCATION	L0004388	VOLUME	402749.059	3755510.311	49.61
LOCATION	L0004389	VOLUME	402757.648	3755510.410	49.67
LOCATION	L0004390	VOLUME	402766.238	3755510.480	49.73
LOCATION	L0004391	VOLUME	402774.828	3755510.480	49.79
LOCATION	L0004392	VOLUME	402783.418	3755510.480	49.86
LOCATION	L0004393	VOLUME	402792.008	3755510.480	49.93
LOCATION	L0004394	VOLUME	402800.598	3755510.480	49.98
LOCATION	L0004395	VOLUME	402809.188	3755510.480	50.04
LOCATION	L0004396	VOLUME	402817.778	3755510.480	50.09
LOCATION	L0004397	VOLUME	402826.368	3755510.480	50.09
LOCATION	L0004398	VOLUME	402834.958	3755510.480	50.10
LOCATION	L0004399	VOLUME	402843.546	3755510.614	50.10
LOCATION	L0004400	VOLUME	402852.134	3755510.823	50.21
LOCATION	L0004401	VOLUME	402860.721	3755511.033	50.33
LOCATION	L0004402	VOLUME	402869.309	3755511.242	50.44
LOCATION	L0004403	VOLUME	402877.896	3755511.452	50.46
LOCATION	L0004404	VOLUME	402886.484	3755511.661	50.47
LOCATION	L0004405	VOLUME	402895.071	3755511.870	50.49
LOCATION	L0004406	VOLUME	402903.658	3755512.108	50.50
LOCATION	L0004407	VOLUME	402912.242	3755512.411	50.51
LOCATION	L0004408	VOLUME	402920.827	3755512.714	50.53
LOCATION	L0004409	VOLUME	402929.412	3755513.017	50.55
LOCATION	L0004410	VOLUME	402937.996	3755513.320	50.57
LOCATION	L0004411	VOLUME	402946.578	3755513.676	50.59
LOCATION	L0004412	VOLUME	402955.151	3755514.223	50.61
LOCATION	L0004413	VOLUME	402963.723	3755514.771	50.64
LOCATION	L0004414	VOLUME	402972.296	3755515.318	50.65
LOCATION	L0004415	VOLUME	402980.869	3755515.865	50.68
LOCATION	L0004416	VOLUME	402989.441	3755516.412	50.70
LOCATION	L0004417	VOLUME	402997.959	3755517.445	50.71
LOCATION	L0004418	VOLUME	403006.441	3755518.804	50.72
LOCATION	L0004419	VOLUME	403014.923	3755520.164	50.74
LOCATION	L0004420	VOLUME	403023.405	3755521.524	50.76
LOCATION	L0004421	VOLUME	403031.886	3755522.883	50.78
LOCATION	L0004422	VOLUME	403040.368	3755524.243	50.79
LOCATION	L0004423	VOLUME	403048.850	3755525.603	50.80
LOCATION	L0004424	VOLUME	403057.331	3755526.962	50.79
LOCATION	L0004425	VOLUME	403065.737	3755528.710	50.77
LOCATION	L0004426	VOLUME	403074.107	3755530.642	50.74
LOCATION	L0004427	VOLUME	403082.477	3755532.573	50.81

	LOCATION L0004428	VOLUME	403090.847	3755534.	505 50.9	1	
	LOCATION L0004429	VOLUME	403099.217	3755536.	436 51.0	1	
	LOCATION L0004430	VOLUME	403107.576	3755538.	412 51.1	3	
	LOCATION L0004431	VOLUME	403115.835	3755540.	772 51.2	2	
	LOCATION L0004432	VOLUME	403124.095	3755543.	132 51.2	7	
	LOCATION L0004433	VOLUME	403132.354	3755545.	492 51.3	1	
	LOCATION L0004434	VOLUME	403140.614	3755547.	852 51.3	8	
	LOCATION L0004435	VOLUME	403148.873	3755550.	212 51.4	5	
	LOCATION L0004436	VOLUME	403157.133	3755552.	571 51.4	9	
	LOCATION L0004437	VOLUME	403165.392	3755554.	931 51.4	8	
	LOCATION L0004438	VOLUME	403173.683	3755557.	178 51.4	3	
	LOCATION L0004439	VOLUME	403181.986	3755559.	381 51.3	6	
	LOCATION L0004440	VOLUME	403190.289	3755561.	583 51.3	0	
	LOCATION L0004441	VOLUME	403198.591	3755563.	786 51.2	6	
	LOCATION L0004442	VOLUME	403206.894	3755565.	989 51.2	5	
	LOCATION L0004443	VOLUME	403215.197	3755568.	191 51.2	1	
	LOCATION L0004444	VOLUME	403223.500				
	LOCATION L0004445	VOLUME	403231.803				
	LOCATION L0004446	VOLUME	403240.105				
	LOCATION L0004447	VOLUME	403248.408				
	LOCATION L0004448	VOLUME	403256.711				
	LOCATION L0004449	VOLUME	403265.014				
	LOCATION L0004450	VOLUME	403273.317				
	LOCATION L0004451	VOLUME	403281.620				
* *				3733333	011 17.7	-	
**	Source Parameters *		5227725				
	SRCPARAM STCK1	4.38E-06	3.500	366.00	0 51.81	600	0.100
	SRCPARAM STCK2	4.38E-06					0.100
	SRCPARAM STCK3	4.38E-06					0.100
	SRCPARAM STCK4	4.38E-06					0.100
	SRCPARAM STCK5	4.38E-06					0.100
* *	LINE VOLUME Source		3.500	300.00	0 01.01		0.100
	SRCPARAM L0003537	0.0000000	05058	3.50	4.00	5.81	
	SRCPARAM L0003538	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003539	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003540	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003541	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003542	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003543	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003543	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003544	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003545	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003547	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003547 SRCPARAM L0003548	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003548 SRCPARAM L0003549	0.0000000				5.81	
	SRCPARAM L0003549 SRCPARAM L0003550	0.0000000		3.50 3.50	4.00	5.81	
	SRCPARAM L0003550 SRCPARAM L0003551	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003552	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003553	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003554	0.0000000		3.50	4.00	5.81	
	SRCPARAM L0003555	0.000000	05050	3.50	4.00	5.81	

SRCPARAM L0003556 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003558	SRCPARAM	L0003556	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003559	SRCPARAM	L0003557	0.00000005058	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0003558	0.00000005058	3.50	4.00	5.81
SRCPARAM L0003561 0.00000005058 3.50 4.00 5.81	SRCPARAM	L0003559	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003562 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003564 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003565 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003565 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003566 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003567 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003567 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003568 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003569 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003570 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003570 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003588 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM L	SRCPARAM	L0003560	0.0000005058	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0003561	0.00000005058	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0003562	0.00000005058	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0003563	0.00000005058	3.50	4.00	5.81
SRCPARAM	${\tt SRCPARAM}$	L0003564	0.00000005058	3.50	4.00	5.81
SRCPARAM L0003567 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003568 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003570 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003572 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058	${\tt SRCPARAM}$	L0003565	0.00000005058	3.50	4.00	5.81
SRCPARAM L0003568 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003569 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003570 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058	${\tt SRCPARAM}$	L0003566	0.00000005058	3.50	4.00	5.81
SRCPARAM L0003569 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003570 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003572 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058	SRCPARAM	L0003567	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003570 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003572 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.0000005058	SRCPARAM	L0003568	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003571 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003572 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.0000005058 3.50 4.00 5.81 SRCPARAM L00035856 0.0000005058 <	${\tt SRCPARAM}$	L0003569	0.00000005058	3.50	4.00	
SRCPARAM L0003572 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.0000005058 3.50 4.00 5.81 SRCPARAM<	${\tt SRCPARAM}$	L0003570	0.00000005058	3.50		5.81
SRCPARAM L0003573 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003585 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003586 0.0000005058	SRCPARAM	L0003571	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003574 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003585 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003586 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003587 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.0000005058	SRCPARAM	L0003572	0.0000005058	3.50	4.00	5.81
SRCPARAM L0003575 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003586 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003587 0.00000005058 3.50 4.00 5.81 SRCPARA	SRCPARAM	L0003573	0.0000005058	3.50		5.81
SRCPARAM L0003576 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003577 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003578 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003579 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003580 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003581 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003582 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003583 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003584 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003585 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003586 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.00000005058 3.50 4.00 5.81 SRCPARA						
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SRCPARAM L0003585 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003586 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003587 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003588 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003590 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.0000005058 3.50 4.00 5.81 SRCPARAM<						
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SRCPARAM L0003587 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003588 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003590 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0003588 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003589 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003590 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.0000005058 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0003589 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003590 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.0000005058 3.50 4.00 5.81 SRCPARAM </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
SRCPARAM L0003590 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.0000005058 3.50 4.00 5.81 SRCPARAM <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						
SRCPARAM L0003591 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.0000005058 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0003592 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.0000005058 3.50 4.00 5.81						
SRCPARAM L0003593 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003594 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.0000005058 3.50 4.00 5.81						
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SRCPARAM L0003595 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.0000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.0000005058 3.50 4.00 5.81						
SRCPARAM L0003596 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003597 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003598 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003599 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003600 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003601 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003602 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003603 0.00000005058 3.50 4.00 5.81 SRCPARAM L0003604 0.00000005058 3.50 4.00 5.81						
SRCPARAM L0003604 0.0000005058 3.50 4.00 5.81						
DIGIALAR E000000 0.00000000000 3.30 4.00 5.01						
	DIVCE MININ					J.UI

* *	LINE VOLU	JME Source	ID = SLINE2			
	SRCPARAM		0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003607	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003608	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003609	0.0000001264	3.49	4.00	1.62
		L0003610	0.0000001264	3.49	4.00	1.62
		L0003611	0.0000001264	3.49	4.00	1.62
		L0003612	0.0000001264	3.49	4.00	1.62
		L0003613	0.0000001264	3.49	4.00	1.62
		L0003614	0.00000001264	3.49	4.00	1.62
		L0003615	0.00000001264	3.49	4.00	1.62
		L0003616	0.0000001264	3.49	4.00	1.62
		L0003617	0.0000001264	3.49	4.00	1.62
		L0003618	0.0000001264	3.49	4.00	1.62
		L0003619	0.0000001264	3.49	4.00	1.62
		L0003620	0.0000001264	3.49	4.00	1.62
		L0003621	0.0000001264	3.49	4.00	1.62
		L0003622	0.0000001264	3.49	4.00	1.62
		L0003623	0.0000001264	3.49	4.00	1.62
		L0003624	0.0000001264	3.49	4.00	1.62
		L0003625	0.0000001264	3.49	4.00	1.62
		L0003626	0.0000001264	3.49	4.00	1.62
		L0003627	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003628	0.0000001264	3.49	4.00	1.62
		L0003629	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003630	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003631	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003632	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003633	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003634	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003635	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003636	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003637	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003638	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003639	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003640	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003641	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003642	0.0000001264	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0003643	0.0000001264	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0003644	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003645	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003646	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003647	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003648	0.0000001264	3.49	4.00	1.62
		L0003649	0.0000001264	3.49	4.00	1.62
		L0003650	0.0000001264	3.49	4.00	1.62
		L0003651	0.0000001264	3.49	4.00	1.62
		L0003652	0.0000001264	3.49	4.00	1.62
		L0003653	0.0000001264	3.49	4.00	1.62
		L0003654	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003655	0.0000001264	3.49	4.00	1.62

SRCPARAM	L0003656	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003657	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003658	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003659	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003660	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003661	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003662	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003663	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003664	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003665	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003666	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003667	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003668	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003669	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003670	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003671	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003672	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003673	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003674	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003675	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003676	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003677	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003678	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003679	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003680	0.00000001264	3.49	4.00	1.62
SRCPARAM		0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003682	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003683	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003684	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003685	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003686	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003687	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003688	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003689	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003690	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003691	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003692	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003693	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003694	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003695	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003696	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003697	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003698	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003699	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003700	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003701	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003702	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003703	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003704	0.0000001264	3.49	4.00	1.62
SRCPARAM	L0003705	0.00000001264	3.49	4.00	1.62
SRCPARAM	L0003706	0.00000001264	3.49	4.00	1.62

	SRCPARAM	L0003707	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003708	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003709	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003710	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003711	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003712	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003713	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003714	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003715	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003716	0.0000001264	3.49	4.00	1.62
	SRCPARAM	L0003717	0.0000001264	3.49	4.00	1.62
		L0003718	0.0000001264	3.49	4.00	1.62
		L0003719	0.00000001264	3.49	4.00	1.62
		L0003720	0.00000001264	3.49	4.00	1.62
		L0003721	0.0000001264	3.49	4.00	1.62
		L0003722	0.0000001264	3.49	4.00	1.62
		L0003723	0.00000001264	3.49	4.00	1.62
		L0003724	0.00000001264	3.49	4.00	1.62
		L0003721	0.00000001261	3.49	4.00	1.62
		L0003726	0.00000001261	3.49		1.62
**						
**	LINE VOLU	JME Source ID	= SLINE3			
		L0003727	0.0000001259	3.49	4.00	1.62
		L0003728	0.0000001259	3.49	4.00	1.62
		L0003729	0.00000001259	3.49	4.00	1.62
		L0003730	0.00000001259	3.49	4.00	1.62
		L0003731	0.00000001259	3.49	4.00	1.62
		L0003732	0.00000001259	3.49	4.00	1.62
		L0003732	0.00000001259	3.49	4.00	1.62
		L0003733	0.00000001259	3.49	4.00	1.62
		L0003731	0.00000001259	3.49	4.00	1.62
		L0003735	0.00000001259	3.49	4.00	1.62
		L0003737	0.00000001259	3.49	4.00	1.62
		L0003737	0.00000001259	3.49	4.00	1.62
		L0003738	0.00000001259	3.49	4.00	1.62
		L0003739	0.00000001259	3.49	4.00	1.62
		L0003740	0.00000001259	3.49	4.00	1.62
		L0003741 L0003742	0.00000001259	3.49	4.00	1.62
		L0003742	0.00000001259	3.49	4.00	1.62
		L0003743	0.00000001259	3.49	4.00	1.62
		L0003745	0.00000001259	3.49	4.00	1.62
		L0003746	0.00000001259	3.49	4.00	1.62
		L0003747	0.0000001259	3.49	4.00	1.62
		L0003748	0.0000001259	3.49	4.00	1.62
		L0003749	0.0000001259	3.49	4.00	1.62
		L0003750	0.0000001259	3.49	4.00	1.62
		L0003751	0.0000001259	3.49	4.00	1.62
		L0003752	0.0000001259	3.49	4.00	1.62
		L0003753	0.0000001259	3.49	4.00	1.62
		L0003754	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003755	0.0000001259	3.49	4.00	1.62

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	L0003757	0.0000001259	3.49	4.00	1.62
	L0003758	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003759	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003760	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003761	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003762	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003763	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003764	0.0000001259	3.49	4.00	1.62
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SRCPARAM	L0003766	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003767	0.0000001259	3.49	4.00	1.62
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			3.49		1.62
	L0003776	0.00000001259	3.49	4.00	1.62
	L0003777	0.00000001259			
	L0003778	0.00000001259	3.49	4.00	1.62
	L0003779	0.00000001259	3.49	4.00	1.62
	L0003780	0.0000001259	3.49	4.00	1.62
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	L0003782	0.0000001259	3.49	4.00	1.62
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SRCPARAM	L0003784	0.0000001259	3.49	4.00	1.62
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SRCPARAM	L0003786	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003787	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003788	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003789	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003790	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003791	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003792	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003793	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003794	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003795	0.0000001259	3.49	4.00	1.62
	L0003796	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003797	0.00000001259	3.49	4.00	1.62
	L0003798	0.00000001259	3.49	4.00	1.62
	L0003799	0.00000001259	3.49	4.00	1.62
	L0003800	0.00000001259	3.49	4.00	1.62
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	L0003802	0.00000001259	3.49	4.00	1.62
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	L0003804	0.00000001259	3.49	4.00	1.62
		0.00000001259	3.49		
SKCPAKAM	L0003806	0.0000001259	3.49	4.00	1.62

SRCPARAM	L0003807	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003808	0.0000001259	3.49	4.00	1.62
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SRCPARAM	L0003810	0.00000001259	3.49	4.00	1.62
SRCPARAM	L0003811	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003812	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003813	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003814	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003815	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003816	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003817	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003818	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003819	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003820	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003821	0.0000001259	3.49	4.00	1.62
SRCPARAM	L0003822	0.0000001259	3.49	4.00	1.62
	L0003823	0.0000001259	3.49	4.00	1.62
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	L0003827	0.00000001259	3.49	4.00	1.62
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	L0003829	0.0000001259	3.49	4.00	1.62
	L0003830	0.0000001259	3.49	4.00	1.62
	L0003831	0.00000001259	3.49	4.00	1.62
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	L0003833	0.00000001259	3.49	4.00	1.62
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	L0003835	0.00000001259	3.49	4.00	1.62
	L0003836	0.00000001259	3.49	4.00	1.62
	L0003837	0.00000001259	3.49	4.00	1.62
	L0003838	0.00000001259	3.49	4.00	1.62
	L0003839	0.00000001259	3.49	4.00	1.62
	L0003840	0.00000001259	3.49	4.00	1.62
	L0003841	0.00000001259	3.49	4.00	1.62
	L0003842	0.00000001259	3.49	4.00	1.62
	L0003843	0.00000001259	3.49	4.00	1.62
	L0003844	0.00000001259	3.49	4.00	1.62
	L0003845	0.00000001259	3.49	4.00	1.62
	L0003846	0.00000001259	3.49	4.00	1.62
	L0003847	0.00000001259	3.49	4.00	1.62
	L0003848	0.00000001259	3.49	4.00	1.62
	L0003849	0.00000001259	3.49	4.00	1.62
	L0003850	0.00000001259	3.49	4.00	1.62
	L0003851	0.00000001259	3.49	4.00	1.62
	L0003852	0.00000001259	3.49	4.00	1.62
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	L0003854	0.00000001259	3.49	4.00	1.62
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	L0003856	0.00000001259	3.49	4.00	1.62
	L0003857	0.00000001259	3.49	4.00	1.62
PICEAIM	-0000001	J. JUU JUU JE J. J.	J. 17	1.00	1.04

	SRCPARAM	L0003858			4.00	1.62
	SRCPARAM	L0003859	0.0000001259	3.49 3.49	4.00	1.62
	SRCPARAM	L0003860			4.00	1.62
	SRCPARAM	L0003861			4.00	1.62
	SRCPARAM	L0003862	0.0000001259	3.49	4.00 4.00	1.62
	SRCPARAM	L0003863	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003864	0.0000001259	3.49	4.00	1.62 1.62
	SRCPARAM	L0003865	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003866			4.00	1.62
	SRCPARAM	L0003867	0.0000001259	3.49		1.62
	SRCPARAM	L0003868	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003869	0.0000001259	3.49	4.00 4.00 4.00	1.62
	SRCPARAM	L0003870	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003871	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003872		3.49	4.00	1.62
		L0003873		3.49	4.00	1.62
	SRCPARAM	L0003874	0.0000001259	3.49	4.00	1.62
	SRCPARAM	L0003875	0.00000001259	3.49	4.00 4.00 4.00	1.62
	SRCPARAM	L0003876	0.00000001259 0.00000001259	3.49	4.00	1.62 1.62
	SRCPARAM	L0003877	0.0000001259	3.49 3.49	4.00	1.62
	SRCPARAM	L0003878	0.00000001259	3.49	4.00	1.62
	SRCPARAM	L0003879	0.00000001259	3.49	4.00	1.62
	SRCPARAM	L0003880	0.00000001259	3.49	4.00 4.00 4.00 4.00 4.00	1.62
	SRCPARAM	L0003881	0.0000001259 0.00000001259	3.49	4.00	1.62
	SRCPARAM	L0003882	0.00000001259	3.49	4.00	1.62
	SRCPARAM	L0003883	0.00000001259 0.00000001259	3.49	4.00	1.62
	SRCPARAM	L0003883 L0003884	0.0000001259	3.49	4.00	1.62
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	SRCPARAM	L0003885	0.000000006335	3.49	4.00	
	SRCPARAM	L0003886	0.000000006335 0.000000006335	3.49		1.62 1.62
	SRCPARAM	T0003887	0.0000000006335	3.49	4.00	1.62
	SRCPARAM	T 0003888	0.00000006335 0.00000006335	3.49	4.00	1.62
	CDCDADAM	L00038890	0.000000006335	3.49	4.00	1.62
	CDCDADAM	T 0003090	0.0000000000335	2 40	4.00	1.62
	CDCDADAM	L0003891	0.000000006335 0.000000006335	2 40	4.00	1.62 1.62
		L0003892	0.000000006335	3.49	4.00	1.62
		L0003894	0.000000000335	3.49	4.00	1.62
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		L0003896	0.000000006335		4.00	1.62
		L0003897	0.000000000335	3.49	4.00	1.62
		L0003897			4.00	1.62
		L0003899	0.000000000335	3.49 3.49 3.49	4.00	1.62
		L0003899	0.000000000335	3.49	4.00	1.62
		L0003900	0.000000006335	J • 17	4.00	1 62
		L0003901	0.000000000335	3.49	4.00	1 62
					4.00	1.62 1.62 1.62
		L0003903	0.000000006335 0.000000006335	3. 1 3	4.00	1.62
			0 000000006225	2 40	4 00	1 62
		L0003905	0.000000006335	3 49	4.00	1.62
	DICT AIAN	1000000	3.0000000000	5.15	1.00	1.02

	L0003907	0.00000006335	3.49	4.00	1.62
	L0003908	0.00000006335	3.49	4.00	1.62
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	L0003941	0.000000006335	3.49	4.00	1.62
	L0003942	0.000000006335	3.49	4.00	1.62
	L0003943	0.000000000335	3.49	4.00	1.62
	L0003913	0.000000000335	3.49	4.00	1.62
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SRCPARAM	L0003971	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0003972	0.000000006335	3.49	4.00	1.62
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SRCPARAM	L0004013	0.00000006335	3.49	4.00	1.62
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SRCPARAM	L0004025	0.00000006335	3.49	4.00	1.62
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	L0004027	0.000000006335	3.49	4.00	1.62
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	L0004031	0.00000006335	3.49	4.00	1.62
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	L0004034	0.000000000335	3.49	4.00	1.62
	L0004034	0.000000000335	3.49	4.00	1.62
	L0004035	0.000000000335	3.49	4.00	1.62
	L0004030	0.000000000335	3.49	4.00	1.62
			3.49	4.00	1.62
	L0004038 L0004039	0.000000006335 0.000000006335	3.49	4.00	1.62
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SRCPARAM	L0004056	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004057	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004058	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004059	0.00000006335	3.49	4.00	1.62

	L0004060	0.00000006335	3.49	4.00	1.62
	L0004061	0.00000006335	3.49	4.00	1.62
	L0004062	0.00000006335	3.49	4.00	1.62
	L0004063	0.00000006335	3.49	4.00	1.62
	L0004064	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004065	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004066	0.00000006335	3.49	4.00	1.62
	L0004067	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004068	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004069	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004070	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004071	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004072	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004073	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004074	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004075	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004076	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004077	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004078	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004079	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004080	0.00000006335	3.49	4.00	1.62
	L0004081	0.00000006335	3.49	4.00	1.62
	L0004082	0.00000006335	3.49	4.00	1.62
	L0004083	0.000000006335	3.49	4.00	1.62
	L0004084	0.00000006335	3.49	4.00	1.62
	L0004085	0.00000006335	3.49	4.00	1.62
	L0004086	0.00000006335	3.49	4.00	1.62
	L0004087	0.00000006335	3.49	4.00	1.62
	L0004088	0.00000006335	3.49	4.00	1.62
	L0004089	0.00000006335	3.49	4.00	1.62
	L0004090	0.000000006335	3.49	4.00	1.62
	L0004091	0.000000000335	3.49	4.00	1.62
	L0004092	0.000000000335	3.49	4.00	1.62
	L0004093	0.000000006335	3.49	4.00	1.62
	L0004094	0.000000000335	3.49	4.00	1.62
	L0004094	0.000000000335	3.49	4.00	1.62
	L0004096	0.000000000335	3.49	4.00	1.62
	L0004090	0.000000000335	3.49	4.00	1.62
	L0004097	0.000000000335	3.49	4.00	1.62
	L0004098	0.000000000335	3.49	4.00	1.62
	L0004099	0.000000006335	3.49	4.00	1.62
	L0004100	0.000000000335	3.49	4.00	1.62
	L0004102	0.000000006335	3.49	4.00	1.62
	L0004103	0.000000006335	3.49	4.00	1.62
	L0004104	0.000000006335	3.49	4.00	1.62
	L0004105	0.000000006335	3.49	4.00	1.62
	L0004106	0.000000006335	3.49	4.00	1.62
	L0004107	0.000000006335	3.49	4.00	1.62
	L0004108	0.000000006335	3.49	4.00	1.62
	L0004109	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004110	0.00000006335	3.49	4.00	1.62

	L0004111	0.00000006335	3.49	4.00	1.62
	L0004112	0.00000006335	3.49	4.00	1.62
	L0004113	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004114	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004115	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004116	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004117	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004118	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004119	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004120	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004121	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004122	0.00000006335	3.49	4.00	1.62
	L0004123	0.000000006335	3.49	4.00	1.62
	L0004124	0.000000006335	3.49	4.00	1.62
	L0004125	0.000000006335	3.49	4.00	1.62
	L0004126	0.000000006335	3.49	4.00	1.62
	L0004127	0.000000000335	3.49	4.00	1.62
	L0004128	0.000000000335	3.49	4.00	1.62
	L0004128	0.000000000335	3.49	4.00	1.62
	L0004129		3.49	4.00	1.62
		0.000000006335			
	L0004131	0.000000006335	3.49	4.00	1.62
	L0004132	0.000000006335	3.49	4.00	1.62
	L0004133	0.000000006335	3.49	4.00	1.62
	L0004134	0.00000006335	3.49	4.00	1.62
	L0004135	0.00000006335	3.49	4.00	1.62
	L0004136	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004137	0.00000006335	3.49	4.00	1.62
	L0004138	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004139	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004140	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004141	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004142	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004143	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004144	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004145	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004146	0.00000006335	3.49	4.00	1.62
SRCPARAM	L0004147	0.00000006335	3.49	4.00	1.62
	L0004148	0.000000006335	3.49	4.00	1.62
	L0004149	0.000000006335	3.49	4.00	1.62
	L0004150	0.000000006335	3.49	4.00	1.62
	L0004151	0.000000006335	3.49	4.00	1.62
	L0004152	0.000000006335	3.49	4.00	1.62
	L0004153	0.000000000335	3.49	4.00	1.62
	L0004153	0.000000000335	3.49	4.00	1.62
	L0004154	0.000000000335	3.49	4.00	1.62
	L0004155	0.000000000335	3.49	4.00	1.62
			3.49		1.62
	L0004157	0.000000006335		4.00	
	L0004158	0.000000006335	3.49	4.00	1.62
	L0004159	0.000000006335	3.49	4.00	1.62
	L0004160	0.000000006335	3.49	4.00	1.62
SRCPARAM	L0004161	0.00000006335	3.49	4.00	1.62

**	SRCPARAM SRCPARAM	L0004162 L0004163 L0004164 L0004165		0.000000006335 0.000000006335 0.00000006335 0.00000006335	3.4 3.4 3.4 3.4	9 4 9 4	00 00 00	1.62 1.62 1.62 1.62
**	TIME VOL	JME Source	TD	= SLINES				
		L0004166	עב	0.000000006294	3.4	9 4	00	1.62
		L0004167		0.0000000000294	3.4		.00	1.62
		L0004168		0.000000006294	3.4		.00	1.62
		L0004169		0.000000006294	3.4		.00	1.62
	SRCPARAM	L0004170		0.000000006294	3.4		.00	1.62
	SRCPARAM	L0004171		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004172		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004173		0.000000006294	3.4	9 4	.00	1.62
		L0004174		0.000000006294	3.4		.00	1.62
		L0004175		0.000000006294	3.4		.00	1.62
		L0004176		0.000000006294	3.4		.00	1.62
		L0004177		0.000000006294	3.4		.00	1.62
		L0004178		0.00000006294	3.4		.00	1.62
		L0004179		0.000000006294	3.4		.00	1.62
		L0004180		0.000000006294	3.4		.00	1.62
		L0004181		0.000000006294	3.4		.00	1.62
		L0004182		0.000000006294	3.4		00	1.62
		L0004183		0.000000006294	3.4		.00	1.62
		L0004184 L0004185		0.000000006294 0.000000006294	3.4 3.4		.00	1.62 1.62
		L0004185		0.0000000006294	3.4		.00	1.62
		L0004180		0.0000000000294	3.4		.00	1.62
		L0004188		0.0000000000291	3.4		.00	1.62
		L0004189		0.000000006294	3.4		.00	1.62
		L0004190		0.000000006294	3.4		.00	1.62
		L0004191		0.000000006294	3.4		.00	1.62
		L0004192		0.000000006294	3.4		.00	1.62
	SRCPARAM	L0004193		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004194		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004195		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004196		0.000000006294	3.4	9 4	.00	1.62
	SRCPARAM	L0004197		0.000000006294	3.4		.00	1.62
		L0004198		0.000000006294	3.4		.00	1.62
		L0004199		0.000000006294	3.4		.00	1.62
		L0004200		0.000000006294	3.4		.00	1.62
		L0004201		0.00000006294	3.4		.00	1.62
		L0004202		0.000000006294	3.4		.00	1.62
		L0004203		0.000000006294	3.4		.00	1.62
		L0004204		0.000000006294	3.4		.00	1.62
		L0004205		0.000000006294	3.4		.00	1.62
		L0004206 L0004207		0.000000006294 0.000000006294	3.4		.00	1.62
		L0004207 L0004208		0.000000006294	3.4		.00	1.62
		L0004208		0.000000006294	3.4		.00	1.62
		L0004209		0.0000000000294	3.4		.00	1.62

	- 000 4044				
	L0004211	0.00000006294	3.49	4.00	1.62
	L0004212	0.00000006294	3.49	4.00	1.62
	L0004213	0.00000006294	3.49	4.00	1.62
	L0004214	0.00000006294	3.49	4.00	1.62
	L0004215	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004216	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004217	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004218	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004219	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004220	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004221	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004222	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004223	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004224	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004225	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004226	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004227	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004228	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004229	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004230	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004231	0.000000006294	3.49	4.00	1.62
	L0004232	0.000000006294	3.49	4.00	1.62
	L0004233	0.000000006294	3.49	4.00	1.62
	L0004234	0.000000006294	3.49	4.00	1.62
	L0004235	0.000000006294	3.49	4.00	1.62
	L0004236	0.000000006294	3.49	4.00	1.62
	L0004237	0.000000006294	3.49	4.00	1.62
	L0004238	0.000000006294	3.49	4.00	1.62
	L0004239	0.000000006294	3.49	4.00	1.62
	L0004240	0.000000006294	3.49	4.00	1.62
	L0004241	0.000000006294	3.49	4.00	1.62
	L0004242	0.000000000291	3.49	4.00	1.62
	L0004243	0.000000000291	3.49	4.00	1.62
	L0004244	0.000000000291	3.49	4.00	1.62
	L0004244	0.000000000294	3.49	4.00	1.62
	L0004246	0.000000000291	3.49	4.00	1.62
	L0004247	0.000000000291	3.49	4.00	1.62
	L0004247	0.000000000294	3.49	4.00	1.62
	L0004248	0.000000000294	3.49	4.00	1.62
	L0004249	0.000000000294	3.49	4.00	1.62
	L0004250	0.000000006294	3.49	4.00	1.62
	L0004251	0.000000000294	3.49	4.00	1.62
	L0004253	0.000000006294	3.49	4.00	1.62
	L0004254	0.000000006294	3.49	4.00	1.62
	L0004255	0.000000006294	3.49	4.00	1.62
	L0004256	0.000000006294	3.49	4.00	1.62
	L0004257	0.000000006294	3.49	4.00	1.62
	L0004258	0.000000006294	3.49	4.00	1.62
	L0004259	0.000000006294	3.49	4.00	1.62
	L0004260	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004261	0.000000006294	3.49	4.00	1.62

SRCPARAM	L0004262	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004263	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004264	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004265	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004266	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004267	0.000000006294	3.49	4.00	1.62
	L0004268	0.000000006294	3.49	4.00	1.62
	L0004269	0.000000006294	3.49	4.00	1.62
	L0004270	0.000000006294	3.49	4.00	1.62
	L0004271	0.000000006294	3.49	4.00	1.62
	L0004272	0.000000006294	3.49	4.00	1.62
	L0004273	0.0000000000291	3.49	4.00	1.62
	L0001273	0.000000000291	3.49	4.00	1.62
	L0004275	0.000000000291	3.49	4.00	1.62
	L0004275	0.000000000294	3.49	4.00	1.62
	L0004270	0.0000000000294	3.49	4.00	1.62
	L0004277	0.0000000000294	3.49	4.00	1.62
	L0004279	0.000000006294	3.49	4.00	1.62
	L0004280	0.000000006294	3.49	4.00	1.62
	L0004281	0.000000006294	3.49	4.00	1.62
	L0004282	0.000000006294	3.49	4.00	1.62
	L0004283	0.000000006294	3.49	4.00	1.62
	L0004284	0.000000006294	3.49	4.00	1.62
	L0004285	0.000000006294	3.49	4.00	1.62
	L0004286	0.000000006294	3.49	4.00	1.62
	L0004287	0.000000006294	3.49	4.00	1.62
	L0004288	0.000000006294	3.49	4.00	1.62
	L0004289	0.000000006294	3.49	4.00	1.62
	L0004290	0.000000006294	3.49	4.00	1.62
	L0004291	0.000000006294	3.49	4.00	1.62
	L0004292	0.00000006294	3.49	4.00	1.62
	L0004293	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004294	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004295	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004296	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004297	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004298	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004299	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004300	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004301	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004302	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004303	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004304	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004305	0.000000006294	3.49	4.00	1.62
	L0004306	0.000000006294	3.49	4.00	1.62
	L0004307	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004308	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004309	0.000000006294	3.49	4.00	1.62
	L0004310	0.000000006294	3.49	4.00	1.62
	L0004311	0.000000006294	3.49	4.00	1.62
	L0004312	0.000000006294	3.49	4.00	1.62

	L0004313	0.00000006294	3.49	4.00	1.62
	L0004314	0.00000006294	3.49	4.00	1.62
	L0004315	0.00000006294	3.49	4.00	1.62
	L0004316	0.00000006294	3.49	4.00	1.62
	L0004317	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004318	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004319	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004320	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004321	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004322	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004323	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004324	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004325	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004326	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004327	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004328	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004329	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004330	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004331	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004332	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004333	0.000000006294	3.49	4.00	1.62
	L0004334	0.000000006294	3.49	4.00	1.62
	L0004335	0.000000006294	3.49	4.00	1.62
	L0004336	0.000000006294	3.49	4.00	1.62
	L0004337	0.000000006294	3.49	4.00	1.62
	L0004338	0.000000006294	3.49	4.00	1.62
	L0004339	0.000000006294	3.49	4.00	1.62
	L0004340	0.000000006294	3.49	4.00	1.62
	L0004341	0.000000006294	3.49	4.00	1.62
	L0004342	0.000000006294	3.49	4.00	1.62
	L0004343	0.000000006294	3.49	4.00	1.62
	L0004344	0.000000000291	3.49	4.00	1.62
	L0004345	0.000000000291	3.49	4.00	1.62
	L0004346	0.000000000291	3.49	4.00	1.62
	L0004347	0.000000000294	3.49	4.00	1.62
	L0004348	0.000000000291	3.49	4.00	1.62
	L0004349	0.000000000291	3.49	4.00	1.62
	L0004349	0.000000000294	3.49	4.00	1.62
	L0004350	0.000000000294	3.49	4.00	1.62
	L0004351	0.000000000294	3.49	4.00	1.62
	L0004352	0.000000006294	3.49	4.00	1.62
	L0004353	0.000000000294	3.49	4.00	1.62
	L0004355	0.000000006294	3.49	4.00	1.62
	L0004356	0.000000006294	3.49	4.00	1.62
	L0004357	0.000000006294	3.49	4.00	1.62
	L0004358	0.000000006294	3.49	4.00	1.62
	L0004359	0.000000006294	3.49	4.00	1.62
	L0004360	0.000000006294	3.49	4.00	1.62
	L0004361	0.000000006294	3.49	4.00	1.62
	L0004362	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004363	0.000000006294	3.49	4.00	1.62

	L0004364	0.00000006294	3.49	4.00	1.62
	L0004365	0.00000006294	3.49	4.00	1.62
	L0004366	0.000000006294	3.49	4.00	1.62
	L0004367	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004368	0.00000006294	3.49	4.00	1.62
SRCPARAM	L0004369	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004370	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004371	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004372	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004373	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004374	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004375	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004376	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004377	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004378	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004379	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004380	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004381	0.000000006294	3.49	4.00	1.62
	L0004382	0.000000006294	3.49	4.00	1.62
	L0004383	0.000000006294	3.49	4.00	1.62
	L0004384	0.000000006294	3.49	4.00	1.62
	L0004385	0.000000006294	3.49	4.00	1.62
	L0004386	0.000000006294	3.49	4.00	1.62
	L0004387	0.00000006294	3.49	4.00	1.62
	L0004388	0.000000006294	3.49	4.00	1.62
	L0004389	0.000000006294	3.49	4.00	1.62
	L0004390	0.000000006294	3.49	4.00	1.62
	L0004391	0.000000006294	3.49	4.00	1.62
	L0004392	0.000000006294	3.49	4.00	1.62
	L0004393	0.000000000291	3.49	4.00	1.62
	L0004393	0.000000000294	3.49	4.00	1.62
	L0004394	0.000000000294	3.49	4.00	1.62
	L0004395	0.000000000294	3.49	4.00	1.62
	L0004390	0.000000000294	3.49	4.00	1.62
	L0004397	0.000000006294	3.49	4.00	1.62
	L0004398	0.000000006294	3.49	4.00	1.62
	L0004399	0.000000006294	3.49	4.00	1.62
	L0004401	0.000000006294	3.49	4.00	1.62
	L0004402	0.000000006294	3.49	4.00	1.62
	L0004403	0.000000006294	3.49	4.00	1.62
	L0004404	0.00000006294	3.49	4.00	1.62
	L0004405	0.000000006294	3.49	4.00	1.62
	L0004406	0.000000006294	3.49	4.00	1.62
	L0004407	0.000000006294	3.49	4.00	1.62
	L0004408	0.000000006294	3.49	4.00	1.62
	L0004409	0.000000006294	3.49	4.00	1.62
	L0004410	0.00000006294	3.49	4.00	1.62
	L0004411	0.00000006294	3.49	4.00	1.62
	L0004412	0.00000006294	3.49	4.00	1.62
	L0004413	0.000000006294	3.49	4.00	1.62
SRCPARAM	L0004414	0.000000006294	3.49	4.00	1.62

	SRCPARAM	L0004415	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004416	0.00000000	6294	3.49	4.00	1.62	
		L0004417	0.00000000		3.49	4.00	1.62	
	SRCPARAM	L0004418	0.00000000	6294	3.49	4.00	1.62	
		L0004419	0.00000000		3.49	4.00	1.62	
		L0004420	0.00000000		3.49	4.00	1.62	
		L0004421	0.00000000		3.49	4.00	1.62	
		L0004422	0.00000000		3.49	4.00	1.62	
		L0004423	0.00000000		3.49	4.00	1.62	
		L0004423	0.00000000		3.49	4.00	1.62	
		L0004424	0.00000000		3.49	4.00	1.62	
		L0004425	0.00000000		3.49	4.00	1.62	
		L0004420	0.00000000		3.49	4.00	1.62	
		L0004427	0.00000000		3.49	4.00	1.62	
			0.00000000		3.49		1.62	
		L0004429				4.00		
		L0004430	0.00000000		3.49	4.00	1.62	
		L0004431	0.00000000		3.49	4.00	1.62	
		L0004432	0.00000000		3.49	4.00	1.62	
		L0004433	0.00000000		3.49	4.00	1.62	
		L0004434	0.00000000		3.49	4.00	1.62	
		L0004435	0.00000000		3.49	4.00	1.62	
		L0004436	0.00000000		3.49	4.00	1.62	
		L0004437	0.00000000		3.49	4.00	1.62	
		L0004438	0.00000000		3.49	4.00	1.62	
		L0004439	0.00000000		3.49	4.00	1.62	
		L0004440	0.00000000		3.49	4.00	1.62	
		L0004441	0.00000000	6294	3.49	4.00	1.62	
		L0004442	0.00000000		3.49	4.00	1.62	
	SRCPARAM	L0004443	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004444	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004445	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004446	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004447	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004448	0.00000000		3.49	4.00	1.62	
	SRCPARAM	L0004449	0.0000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004450	0.00000000	6294	3.49	4.00	1.62	
	SRCPARAM	L0004451	0.00000000	6294	3.49	4.00	1.62	
ŧ								_
t	Building	Downwash **	+					
	BUILDHGT	STCK1	0.00	12.50	12.50	12.50	12.50	12.50
	BUILDHGT	STCK1	12.50	12.50	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1	0.00	12.50	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK2	0.00	0.00	0.00	12.50	12.50	12.50
	${\tt BUILDHGT}$	STCK2	12.50	12.50	12.50	12.50	0.00	0.00
	${\tt BUILDHGT}$	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

* *

BUILDHGT	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDHGT	STCK2	0.00	0.00	12.50	12.50	0.00	0.00
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
DOILDINGI	DICKS	12.50	12.50	12.50	12.50	12.50	12.50
BUILDWID	STCK1	0.00	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	225.24	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BOILDWID	DICKI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK 2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	221.18	227.85	0.00	0.00
POILDWID	SICKZ	0.00	0.00	221.10	227.65	0.00	0.00
BUILDWID	STCK3	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	SICKS	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK4	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
DOTINMIN	DICK4	188.09	407.79	∠∠1.18	447.85	∠∠ŏ.⊥9	∠∠∠.9⊥

BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	228.19	222.91
POILDWID	SICKS	100.09	207.79	221.10	227.65	220.19	222.91
BUILDLEN	STCK1	0.00	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	132.31	0.00	0.00	0.00	0.00
		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN							
BUILDLEN	STCKI	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	CITICIX O	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN		0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	159.70	130.15	0.00	0.00
BUILDLEN	CITICIX 2	98.52	132.31	162.67	188.09	207.79	221.18
		227.85	228.19	222.91		207.79	217.23
BUILDLEN					226.99		
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK3	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK 4	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN				222.91		225.24	217.23
		227.85	228.19		226.99		
BUILDLEN	SICK4	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK 5	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BOILDLEN	SICKS	203.76	104.54	159.70	130.15	90.27	63.96
XBADJ	STCK1	0.00	-156.00	-189.70	-217.63	-238.96	-253.02
XBADJ	STCK1	-259.39	-257.88	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	23.68	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
		3.30	3.30	2.30	2.30	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

XBADJ XBADJ XBADJ XBADJ XBADJ	STCK2 STCK2 STCK2 STCK2 STCK2	0.00 -232.08 0.00 0.00 0.00	0.00 -210.08 0.00 0.00 0.00	0.00 -181.69 0.00 0.00 21.99	-254.78 -147.78 0.00 0.00 17.63	-254.48 0.00 0.00 0.00 0.00	-247.04 0.00 0.00 0.00 0.00
XBADJ XBADJ XBADJ XBADJ XBADJ XBADJ	STCK3 STCK3 STCK3 STCK3 STCK3	-67.48 -93.55 -63.98 -31.04 -134.30 -139.80	-78.44 -87.98 -55.10 -53.87 -140.22 -129.44	-87.03 -80.20 -44.54 -75.65 -142.71 -115.16	-92.97 -78.77 -32.63 -95.12 -148.22 -97.52	-96.08 -75.70 -20.80 -111.71 -149.54 -77.47	-96.28 -70.92 -8.89 -124.90 -146.31 -55.07
XBADJ XBADJ XBADJ XBADJ XBADJ XBADJ	STCK4 STCK4 STCK4 STCK4 STCK4	-73.41 -124.95 -89.45 -25.11 -102.89 -114.33	-89.99 -120.86 -76.44 -42.32 -107.33 -108.10	-103.83 -113.57 -61.10 -58.84 -109.34 -98.59	-114.53 -111.61 -43.91 -73.56 -115.38 -86.24	-121.74 -107.01 -26.45 -86.06 -118.23 -71.81	-125.25 -99.75 -8.75 -95.93 -117.48 -55.21
XBADJ XBADJ XBADJ XBADJ XBADJ XBADJ	STCK5 STCK5 STCK5 STCK5 STCK5 STCK5	-78.38 -151.85 -111.38 -20.14 -76.00 -92.40	-99.78 -149.05 -94.84 -32.54 -79.15 -89.70	-118.14 -142.19 -75.41 -44.53 -80.72 -84.28	-132.92 -139.79 -53.70 -55.17 -87.20 -76.45	-143.66 -133.90 -31.42 -64.13 -91.33 -66.84	-150.03 -124.53 -8.75 -71.15 -92.70 -55.21
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK1 STCK1 STCK1 STCK1 STCK1 STCK1	0.00 5.47 0.00 0.00 0.00 0.00	114.50 -19.79 0.00 -114.50 0.00 0.00	97.95 0.00 0.00 0.00 0.00	77.85 0.00 0.00 0.00 0.00	55.18 0.00 0.00 0.00 0.00 0.00	30.83 0.00 0.00 0.00 0.00
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK2 STCK2 STCK2 STCK2 STCK2 STCK2	0.00 0.00 -59.79 0.00 0.00	0.00 0.00 -81.32 0.00 0.00	0.00 0.00 -100.38 0.00 0.00 100.38	0.00 13.12 -116.39 0.00 0.00 116.39	0.00 -11.99 0.00 0.00 0.00	0.00 -36.44 0.00 0.00 0.00 0.00
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK3 STCK3 STCK3 STCK3 STCK3	-34.73 -32.44 1.08 34.73 32.44 -1.08	-36.92 -28.34 7.81 36.92 28.34 -7.81	-37.70 -23.09 14.31 37.70 23.09 -14.31	-37.91 -18.22 20.38 37.91 18.22 -20.38	-37.17 -12.29 26.12 37.17 12.29 -26.12	-35.31 -5.69 31.26 35.31 5.69 -31.25
YBADJ YBADJ YBADJ	STCK4 STCK4 STCK4	-1.89 -21.16 -20.48	-5.61 -22.68 -17.84	-8.87 -23.23 -14.66	-12.44 -24.15 -11.03	-15.83 -23.83 -6.77	-18.74 -22.50 -2.11

```
1.89
                             5.61
                                    8.87 12.44
                                                          18.74
  YBADJ
         STCK4
                                                   15.83
  YBADJ
         STCK4
                      21.16
                             22.68
                                     23.23
                                            24.15
                                                   23.83
                                                           22.50
  YBADJ
         STCK4
                      20.48 17.84 14.66
                                            11.03
                                                    6.77
                                                           2.12
                                                    2.57
  YBADJ
         STCK5
                     26.30
                            21.28
                                   15.92
                                             9.49
                                                           -4.43
  YBADJ
         STCK5
                     -11.37 -17.71
                                   -23.23
                                           -29.12
                                                  -33.62
                                                         -36.81
  YBADJ
         STCK5
                     -38.88 -39.76
                                   -39.44
                                          -37.92
                                                  -34.95
                                                          -30.73
  YBADJ
         STCK5
                     -26.30 -21.28 -15.92
                                           -9.49
                                                   -2.57
                                                          4.43
  YBADJ
         STCK5
                     11.37 17.71 23.23
                                          29.12
                                                   33.62
                                                          36.81
                     38.88 39.76 39.44 37.92
  YBADJ
         STCK5
                                                   34.95
                                                          30.73
  URBANSRC ALL
  SRCGROUP ALL
SO FINISHED
**********
** AERMOD Receptor Pathway
**********
* *
RE STARTING
  INCLUDED "Greenstone 1st 14 years.rou"
RE FINISHED
**********
** AERMOD Meteorology Pathway
***********
ME STARTING
  SURFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC"
  PROFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL"
  SURFDATA 3166 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 58.0 METERS
ME FINISHED
**********
** AERMOD Output Pathway
***********
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE PERIOD ALL "GREENSTONE 1ST 14 YEARS.AD\PE00GALL.PLT" 31
  SUMMFILE "Greenstone 1st 14 years.sum"
OU FINISHED
```

```
----- Summary of Total Messages -----
A Total of
                   0 Fatal Error Message(s)
A Total of
                   7 Warning Message(s)
A Total of
                   0 Informational Message(s)
  ****** FATAL ERROR MESSAGES ******
            *** NONE ***
  ****** WARNING MESSAGES
                            ******
SO W320
         1097
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1098
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1099
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1100
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1101
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
ME W186
         2229
                   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
                                                                               0.50
ME W187
         2229
                   MEOPEN: ADJ U* Option for Stable Low Winds used in AERMET
*********
*** SETUP Finishes Successfully ***
*********
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                          01/20/22
17:31:46
                                                                                                          PAGE 1
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ U*
                                             MODEL SETUP OPTIONS SUMMARY
**Model Is Setup For Calculation of Average CONCentration Values.
 -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F
**Model Uses URBAN Dispersion Algorithm for the SBL for 920 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 9818605.0; Urban Roughness Length = 1.000 m
**Model Uses Regulatory DEFAULT Options:
       1. Stack-tip Downwash.
       2. Model Accounts for ELEVated Terrain Effects.
       3. Use Calms Processing Routine.
       4. Use Missing Data Processing Routine.
```

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5. No Exponential Decay.
       6. Urban Roughness Length of 1.0 Meter Assumed.
**Other Options Specified:
       ADJ_U* - Use ADJ_U* option for SBL in AERMET
       TEMP_Sub - Meteorological data includes TEMP substitutions
**Model Assumes No FLAGPOLE Receptor Heights.
**The User Specified a Pollutant Type of: DPM
**Model Calculates PERIOD Averages Only
**This Run Includes:
                       920 Source(s);
                                           1 Source Group(s); and
                                                                      449 Receptor(s)
              with:
                         5 POINT(s), including
                         0 POINTCAP(s) and
                                               0 POINTHOR(s)
               and:
                       915 VOLUME source(s)
               and:
                         0 AREA type source(s)
               and:
                         0 LINE source(s)
               and:
                         0 RLINE/RLINEXT source(s)
               and:
                         0 OPENPIT source(s)
               and:
                         0 BUOYANT LINE source(s) with a total of
                                                                     0 line(s)
**Model Set To Continue RUNning After the Setup Testing.
**The AERMET Input Meteorological Data Version Date: 16216
**Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
        Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                              m for Missing Hours
                                                              b for Both Calm and Missing Hours
**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00; Decay Coef. = 0.000
                                                                                                  ; Rot. Angle =
                Emission Units = GRAMS/SEC
                                                                         ; Emission Rate Unit Factor = 0.10000E+07
                Output Units = MICROGRAMS/M**3
**Approximate Storage Requirements of Model =
                                                5.2 MB of RAM.
**Input Runstream File:
                                aermod.inp
**Output Print File:
                                aermod.out
**Detailed Error/Message File: Greenstone 1st 14 years.err
**File for Summary of Results: Greenstone 1st 14 years.sum
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                                   01/20/22
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT (GRAMS/SEC)	E X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.43800E-05	402181.3	3754671.5	44.8	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK2	0	0.43800E-05	402180.4		44.0	3.50	366.00		0.10	YES	YES	NO	
STCK3	0	0.43800E-05	402012.5	3754650.4	44.3	3.50	366.00		0.10	YES	YES	NO	
STCK4	0	0.43800E-05	402045.8	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK5	0	0.43800E-05	402074.4	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
*** AERMOD - *** AERMET -				kes\AERMOI Greenstor	•		_	ears\Green	stone 1st	14 year	S *** ***		01/20/22 17:31:46
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	-	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.			Y	ELEV.	HEIGHT	SY	SZ	SOURCE	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0003537	0	0.50580E-07	402179.9	3754671.9	44.8	3.50	4.00	5.81	YES	
L0003538	0	0.50580E-07	402171.3	3754671.9	44.9	3.50	4.00	5.81	YES	
L0003539	0	0.50580E-07	402162.7	3754671.9	44.9	3.50	4.00	5.81	YES	
L0003540	0	0.50580E-07	402154.1	3754671.9	44.9	3.50	4.00	5.81	YES	
L0003541	0	0.50580E-07	402145.5	3754672.0	44.8	3.50	4.00	5.81	YES	
L0003542	0	0.50580E-07	402137.0	3754672.0	44.8	3.50	4.00	5.81	YES	
L0003543	0	0.50580E-07	402128.4	3754672.0	44.8	3.50	4.00	5.81	YES	
L0003544	0	0.50580E-07	402119.8	3754672.0	44.8	3.50	4.00	5.81	YES	
L0003545	0	0.50580E-07	402111.2	3754672.0	44.8	3.50	4.00	5.81	YES	
L0003546	0	0.50580E-07	402102.6	3754672.0	44.6	3.50	4.00	5.81	YES	
L0003547	0	0.50580E-07	402094.0	3754672.0	44.5	3.50	4.00	5.81	YES	
L0003548	0	0.50580E-07	402085.4	3754672.0	44.5	3.50	4.00	5.81	YES	
L0003549	0	0.50580E-07	402076.8	3754672.0	44.6	3.50	4.00	5.81	YES	
L0003550	0	0.50580E-07	402068.2	3754672.0	44.6	3.50	4.00	5.81	YES	
L0003551	0	0.50580E-07	402059.6	3754672.1	44.6	3.50	4.00	5.81	YES	
L0003552	0	0.50580E-07	402051.0	3754672.1	44.5	3.50	4.00	5.81	YES	
L0003553	0	0.50580E-07	402042.5	3754672.1	44.5	3.50	4.00	5.81	YES	
L0003554	0	0.50580E-07	402033.9	3754672.1	44.4	3.50	4.00	5.81	YES	
L0003555	0	0.50580E-07	402025.3	3754672.1	44.4	3.50	4.00	5.81	YES	
L0003556	0	0.50580E-07	402016.7	3754672.1	44.3	3.50	4.00	5.81	YES	

L0003557	0	0.50580E-07	402008.1 3754672	.1 44.2	3.50	4.00	5.81	YES	
L0003558	0	0.50580E-07	401999.5 3754672	.1 44.2	3.50	4.00	5.81	YES	
L0003559	0	0.50580E-07	401990.9 3754672	.1 44.1	3.50	4.00	5.81	YES	
L0003560	0	0.50580E-07	401982.3 3754672	.1 44.0	3.50	4.00	5.81	YES	
L0003561	0	0.50580E-07	401973.7 3754672	.1 44.0	3.50	4.00	5.81	YES	
L0003562	0	0.50580E-07	401965.1 3754672	.2 43.9	3.50	4.00	5.81	YES	
L0003563	0	0.50580E-07	401956.5 3754672	.2 43.8	3.50	4.00	5.81	YES	
L0003564	0	0.50580E-07	401948.0 3754672	.2 43.7	3.50	4.00	5.81	YES	
L0003565	0	0.50580E-07	401939.4 3754672	.2 43.7	3.50	4.00	5.81	YES	
L0003566	0	0.50580E-07	401931.9 3754669	.8 43.5	3.50	4.00	5.81	YES	
L0003567	0	0.50580E-07	401927.6 3754662	.6 43.4	3.50	4.00	5.81	YES	
L0003568	0	0.50580E-07	401925.5 3754654	.2 43.3	3.50	4.00	5.81	YES	
L0003569	0	0.50580E-07	401925.3 3754645	.7 43.3	3.50	4.00	5.81	YES	
L0003570	0	0.50580E-07	401925.0 3754637	.1 43.2	3.50	4.00	5.81	YES	
L0003571	0	0.50580E-07	401924.8 3754628	.5 43.2	3.50	4.00	5.81	YES	
L0003572	0	0.50580E-07	401925.0 3754619	.9 43.3	3.50	4.00	5.81	YES	
L0003573	0	0.50580E-07	401925.3 3754611	.3 43.3	3.50	4.00	5.81	YES	
L0003574	0	0.50580E-07	401925.6 3754602	.7 43.2	3.50	4.00	5.81	YES	
L0003575	0	0.50580E-07	401926.2 3754594	.3 43.2	3.50	4.00	5.81	YES	
L0003576	0	0.50580E-07	401932.2 3754588	.5 43.4	3.50	4.00	5.81	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003577	0	0.50580E-07	401940.4	3754586.6	43.5	3.50	4.00	5.81	YES	
L0003578	0	0.50580E-07	401949.0	3754586.7	43.6	3.50	4.00	5.81	YES	
L0003579	0	0.50580E-07	401957.6	3754586.7	43.6	3.50	4.00	5.81	YES	
L0003580	0	0.50580E-07	401966.2	3754586.8	43.6	3.50	4.00	5.81	YES	
L0003581	0	0.50580E-07	401974.8	3754586.8	43.7	3.50	4.00	5.81	YES	
L0003582	0	0.50580E-07	401983.3	3754586.9	43.7	3.50	4.00	5.81	YES	
L0003583	0	0.50580E-07	401991.9	3754586.9	43.7	3.50	4.00	5.81	YES	
L0003584	0	0.50580E-07	402000.5	3754586.9	43.8	3.50	4.00	5.81	YES	
L0003585	0	0.50580E-07	402009.1	3754587.0	43.8	3.50	4.00	5.81	YES	
L0003586	0	0.50580E-07	402017.7	3754587.0	43.9	3.50	4.00	5.81	YES	
L0003587	0	0.50580E-07	402026.3	3754587.1	43.9	3.50	4.00	5.81	YES	
L0003588	0	0.50580E-07	402034.9	3754587.1	44.0	3.50	4.00	5.81	YES	
L0003589	0	0.50580E-07	402043.5	3754587.2	44.0	3.50	4.00	5.81	YES	
L0003590	0	0.50580E-07	402052.1	3754587.2	44.0	3.50	4.00	5.81	YES	
L0003591	0	0.50580E-07	402060.7	3754587.3	44.0	3.50	4.00	5.81	YES	
L0003592	0	0.50580E-07	402069.3	3754587.3	44.0	3.50	4.00	5.81	YES	
L0003593	0	0.50580E-07	402077.8	3754587.4	44.1	3.50	4.00	5.81	YES	

L0003594	0	0.50580E-07	402086.4 37545	87.4 44.1	3.50	4.00	5.81	YES	
L0003595	0	0.50580E-07	402095.0 37545	87.5 44.1	3.50	4.00	5.81	YES	
L0003596	0	0.50580E-07	402103.6 37545	87.5 44.1	3.50	4.00	5.81	YES	
L0003597	0	0.50580E-07	402112.2 37545	87.5 44.1	3.50	4.00	5.81	YES	
L0003598	0	0.50580E-07	402120.8 37545	87.6 44.1	3.50	4.00	5.81	YES	
L0003599	0	0.50580E-07	402129.4 37545	87.6 44.2	3.50	4.00	5.81	YES	
L0003600	0	0.50580E-07	402138.0 37545	87.7 44.2	3.50	4.00	5.81	YES	
L0003601	0	0.50580E-07	402146.6 37545	87.7 44.2	3.50	4.00	5.81	YES	
L0003602	0	0.50580E-07	402155.2 37545	87.8 44.2	3.50	4.00	5.81	YES	
L0003603	0	0.50580E-07	402163.8 37545	87.8 44.3	3.50	4.00	5.81	YES	
L0003604	0	0.50580E-07	402172.3 37545	87.9 44.2	3.50	4.00	5.81	YES	
L0003605	0	0.50580E-07	402180.9 37545	87.9 44.0	3.50	4.00	5.81	YES	
L0003606	0	0.12640E-07	402196.6 37546	575.4 44.7	3.49	4.00	1.62	YES	
L0003607	0	0.12640E-07	402196.9 37546	83.9 44.8	3.49	4.00	1.62	YES	
L0003608	0	0.12640E-07	402197.2 37546	592.5 44.9	3.49	4.00	1.62	YES	
L0003609	0	0.12640E-07	402197.6 37547	701.1 44.9	3.49	4.00	1.62	YES	
L0003610	0	0.12640E-07	402197.9 37547	709.7 44.9	3.49	4.00	1.62	YES	
L0003611	0	0.12640E-07	402198.2 37547	718.3 45.0	3.49	4.00	1.62	YES	
L0003612	0	0.12640E-07	402198.6 37547	726.9 45.0	3.49	4.00	1.62	YES	
L0003613	0	0.12640E-07	402199.2 37547	735.4 45.1	3.49	4.00	1.62	YES	
L0003614	0	0.12640E-07	402199.8 37547	744.0 45.1	3.49	4.00	1.62	YES	
L0003615	0	0.12640E-07	402200.4 37547	752.6 45.2	3.49	4.00	1.62	YES	
L0003616	0	0.12640E-07	402201.0 37547	761.1 45.3	3.49	4.00	1.62	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0003617	0	0.12640E-07	402201.6	3754769.7	45.3	3.49	4.00	1.62	YES	
L0003618	0	0.12640E-07		3754778.3	45.4	3.49	4.00	1.62	YES	
L0003619	0	0.12640E-07	402202.3	3754786.9	45.4	3.49	4.00	1.62	YES	
L0003620	0	0.12640E-07	402202.3	3754795.5	45.5	3.49	4.00	1.62	YES	
L0003621	0	0.12640E-07	402202.2	3754804.0	45.5	3.49	4.00	1.62	YES	
L0003622	0	0.12640E-07	402202.2	3754812.6	45.6	3.49	4.00	1.62	YES	
L0003623	0	0.12640E-07	402202.1	3754821.2	45.6	3.49	4.00	1.62	YES	
L0003624	0	0.12640E-07	402202.1	3754829.8	45.6	3.49	4.00	1.62	YES	
L0003625	0	0.12640E-07	402202.0	3754838.4	45.6	3.49	4.00	1.62	YES	
L0003626	0	0.12640E-07	402202.0	3754847.0	45.7	3.49	4.00	1.62	YES	
L0003627	0	0.12640E-07	402201.9	3754855.6	45.7	3.49	4.00	1.62	YES	
L0003628	0	0.12640E-07	402201.9	3754864.2	45.8	3.49	4.00	1.62	YES	
L0003629	0	0.12640E-07	402201.8	3754872.8	45.9	3.49	4.00	1.62	YES	
L0003630	0	0.12640E-07	402201.8	3754881.3	46.0	3.49	4.00	1.62	YES	

L0003631	0	0.12640E-07	402201.8 3754889.9	46.0	3.49	4.00	1.62	YES
L0003632	0	0.12640E-07	402201.7 3754898.5	46.0	3.49	4.00	1.62	YES
L0003633	0	0.12640E-07	402201.7 3754907.1	46.1	3.49	4.00	1.62	YES
L0003634	0	0.12640E-07	402201.8 3754915.7	46.1	3.49	4.00	1.62	YES
L0003635	0	0.12640E-07	402202.0 3754924.3	46.2	3.49	4.00	1.62	YES
L0003636	0	0.12640E-07	402202.1 3754932.9	46.2	3.49	4.00	1.62	YES
L0003637	0	0.12640E-07	402202.2 3754941.5	46.3	3.49	4.00	1.62	YES
L0003638	0	0.12640E-07	402202.3 3754950.1	46.3	3.49	4.00	1.62	YES
L0003639	0	0.12640E-07	402202.5 3754958.7	46.3	3.49	4.00	1.62	YES
L0003640	0	0.12640E-07	402202.6 3754967.2	46.4	3.49	4.00	1.62	YES
L0003641	0	0.12640E-07	402202.7 3754975.8	46.4	3.49	4.00	1.62	YES
L0003642	0	0.12640E-07	402202.8 3754984.4	46.4	3.49	4.00	1.62	YES
L0003643	0	0.12640E-07	402203.0 3754993.0	46.4	3.49	4.00	1.62	YES
L0003644	0	0.12640E-07	402203.1 3755001.6	46.5	3.49	4.00	1.62	YES
L0003645	0	0.12640E-07	402203.2 3755010.2	46.5	3.49	4.00	1.62	YES
L0003646	0	0.12640E-07	402203.2 3755018.8	46.4	3.49	4.00	1.62	YES
L0003647	0	0.12640E-07	402203.2 3755027.4	46.4	3.49	4.00	1.62	YES
L0003648	0	0.12640E-07	402203.2 3755036.0	46.3	3.49	4.00	1.62	YES
L0003649	0	0.12640E-07	402203.2 3755044.5	46.2	3.49	4.00	1.62	YES
L0003650	0	0.12640E-07	402203.2 3755053.1	46.1	3.49	4.00	1.62	YES
L0003651	0	0.12640E-07	402203.2 3755061.7	45.9	3.49	4.00	1.62	YES
L0003652	0	0.12640E-07	402203.2 3755070.3	45.8	3.49	4.00	1.62	YES
L0003653	0	0.12640E-07	402205.1 3755078.3	45.8	3.49	4.00	1.62	YES
L0003654	0	0.12640E-07	402211.1 3755083.2	45.9	3.49	4.00	1.62	YES
L0003655	0	0.12640E-07	402219.7 3755083.3	46.2	3.49	4.00	1.62	YES
L0003656	0	0.12640E-07	402228.3 3755083.4	46.4	3.49	4.00	1.62	YES

*** VOLUME SOURCE DATA ***

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*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE SOURCE PART. (GRAMS/SEC) HEIGHT SZ SOURCE SCALAR VARY X Y ELEV. SY ID CATS. (METERS) (METERS) (METERS) (METERS) (METERS) BY L0003657 0.12640E-07 402236.9 3755083.4 46.5 3.49 4.00 1.62 YES L0003658 0 0.12640E-07 402245.4 3755083.5 46.6 4.00 1.62 YES 3.49 L0003659 0 0.12640E-07 402254.0 3755083.6 46.6 3.49 4.00 1.62 YES L0003660 0 0.12640E-07 402262.6 3755083.6 46.7 3.49 4.00 1.62 YES L0003661 0 0.12640E-07 402271.2 3755083.7 46.7 3.49 4.00 1.62 YES L0003662 0.12640E-07 402279.8 3755083.8 0 46.7 3.49 4.00 1.62 YES 0.12640E-07 402288.4 3755083.8 L0003663 0 46.7 3.49 4.00 1.62 YES L0003664 0 0.12640E-07 402297.0 3755083.9 46.7 3.49 4.00 1.62 YES 0 0.12640E-07 402305.6 3755084.0 L0003665 46.7 3.49 4.00 1.62 YES L0003666 0.12640E-07 402314.2 3755084.0 46.7 3.49 4.00 1.62 YES 0.12640E-07 402322.8 3755084.1 L0003667 46.7 3.49 4.00 1.62 YES

L0003668	0	0.12640E-07	402331.3 3755084.2	46.6	3.49	4.00	1.62	YES
L0003669	0	0.12640E-07	402339.9 3755084.3	46.6	3.49	4.00	1.62	YES
L0003670	0	0.12640E-07	402348.5 3755084.3	46.6	3.49	4.00	1.62	YES
L0003671	0	0.12640E-07	402357.1 3755084.4	46.6	3.49	4.00	1.62	YES
L0003672	0	0.12640E-07	402365.7 3755084.5	46.7	3.49	4.00	1.62	YES
L0003673	0	0.12640E-07	402374.3 3755084.5	46.8	3.49	4.00	1.62	YES
L0003674	0	0.12640E-07	402382.9 3755084.6	46.8	3.49	4.00	1.62	YES
L0003675	0	0.12640E-07	402391.5 3755084.7	46.8	3.49	4.00	1.62	YES
L0003676	0	0.12640E-07	402400.1 3755084.7	46.9	3.49	4.00	1.62	YES
L0003677	0	0.12640E-07	402408.6 3755084.8	46.9	3.49	4.00	1.62	YES
L0003678	0	0.12640E-07	402417.2 3755084.9	46.9	3.49	4.00	1.62	YES
L0003679	0	0.12640E-07	402425.8 3755084.9	46.9	3.49	4.00	1.62	YES
L0003680	0	0.12640E-07	402434.4 3755085.0	46.9	3.49	4.00	1.62	YES
L0003681	0	0.12640E-07	402443.0 3755085.1	46.9	3.49	4.00	1.62	YES
L0003682	0	0.12640E-07	402451.6 3755085.2	46.9	3.49	4.00	1.62	YES
L0003683	0	0.12640E-07	402460.2 3755085.2	46.9	3.49	4.00	1.62	YES
L0003684	0	0.12640E-07	402468.5 3755087.2	47.0	3.49	4.00	1.62	YES
L0003685	0	0.12640E-07	402468.7 3755095.7	47.0	3.49	4.00	1.62	YES
L0003686	0	0.12640E-07	402468.8 3755104.3	47.1	3.49	4.00	1.62	YES
L0003687	0	0.12640E-07	402468.8 3755112.9	47.2	3.49	4.00	1.62	YES
L0003688	0	0.12640E-07	402468.9 3755121.5	47.4	3.49	4.00	1.62	YES
L0003689	0	0.12640E-07	402468.9 3755130.1	47.5	3.49	4.00	1.62	YES
L0003690	0	0.12640E-07	402469.0 3755138.7	47.5	3.49	4.00	1.62	YES
L0003691	0	0.12640E-07	402469.1 3755147.2	47.6	3.49	4.00	1.62	YES
L0003692	0	0.12640E-07	402469.1 3755155.8	47.6	3.49	4.00	1.62	YES
L0003693	0	0.12640E-07	402469.2 3755164.4	47.6	3.49	4.00	1.62	YES
L0003694	0	0.12640E-07	402469.2 3755173.0	47.5	3.49	4.00	1.62	YES
L0003695	0	0.12640E-07	402469.3 3755181.6	47.5	3.49	4.00	1.62	YES
L0003696	0	0.12640E-07	402469.4 3755190.2	47.5	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATH (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
											-
L0003697	0	0.12640E-07	402469.4	3755198.8	47.5	3.49	4.00	1.62	YES		
L0003698	0	0.12640E-07	402469.5		47.5	3.49	4.00	1.62	YES		
L0003699	0	0.12640E-07	402469.5	3755216.0	47.6	3.49	4.00	1.62	YES		
L0003700	0	0.12640E-07	402469.6	3755224.5	47.6	3.49	4.00	1.62	YES		
L0003701	0	0.12640E-07	402469.7	3755233.1	47.7	3.49	4.00	1.62	YES		
L0003702	0	0.12640E-07	402469.7	3755241.7	47.8	3.49	4.00	1.62	YES		
L0003703	0	0.12640E-07	402469.8	3755250.3	47.9	3.49	4.00	1.62	YES		
L0003704	0	0.12640E-07	402469.8	3755258.9	47.8	3.49	4.00	1.62	YES		

L0003705	0	0.12640E-07	402469.9 37	755267.5	47.8	3.49	4.00	1.62	YES
L0003706	0	0.12640E-07	402470.0 37	755276.1	47.7	3.49	4.00	1.62	YES
L0003707	0	0.12640E-07	402470.0 37	755284.7	47.7	3.49	4.00	1.62	YES
L0003708	0	0.12640E-07	402470.1 37	755293.3	47.8	3.49	4.00	1.62	YES
L0003709	0	0.12640E-07	402470.1 37	755301.9	47.9	3.49	4.00	1.62	YES
L0003710	0	0.12640E-07	402470.2 37	755310.4	47.9	3.49	4.00	1.62	YES
L0003711	0	0.12640E-07	402470.3 37	755319.0	48.0	3.49	4.00	1.62	YES
L0003712	0	0.12640E-07	402470.3 37	755327.6	48.0	3.49	4.00	1.62	YES
L0003713	0	0.12640E-07	402470.4 37	755336.2	48.1	3.49	4.00	1.62	YES
L0003714	0	0.12640E-07	402470.4 37	755344.8	48.1	3.49	4.00	1.62	YES
L0003715	0	0.12640E-07	402470.5 37	755353.4	48.0	3.49	4.00	1.62	YES
L0003716	0	0.12640E-07	402470.6 37	755362.0	48.0	3.49	4.00	1.62	YES
L0003717	0	0.12640E-07	402470.6 37	755370.6	48.0	3.49	4.00	1.62	YES
L0003718	0	0.12640E-07	402470.7 37	755379.2	48.0	3.49	4.00	1.62	YES
L0003719	0	0.12640E-07	402470.7 37	755387.8	48.1	3.49	4.00	1.62	YES
L0003720	0	0.12640E-07	402470.8 37	755396.3	48.2	3.49	4.00	1.62	YES
L0003721	0	0.12640E-07	402470.9 37	755404.9	48.2	3.49	4.00	1.62	YES
L0003722	0	0.12640E-07	402470.9 37	755413.5	48.2	3.49	4.00	1.62	YES
L0003723	0	0.12640E-07	402471.0 37	755422.1	48.3	3.49	4.00	1.62	YES
L0003724	0	0.12640E-07	402471.0 37	755430.7	48.3	3.49	4.00	1.62	YES
L0003725	0	0.12640E-07	402471.1 37	755439.3	48.3	3.49	4.00	1.62	YES
L0003726	0	0.12640E-07	402471.2 37	755447.9	48.4	3.49	4.00	1.62	YES
L0003727	0	0.12590E-07	402197.9 37	754584.0	43.8	3.49	4.00	1.62	YES
L0003728	0	0.12590E-07	402197.9 37	754575.4	43.7	3.49	4.00	1.62	YES
L0003729	0	0.12590E-07	402198.0 37	754566.8	43.6	3.49	4.00	1.62	YES
L0003730	0	0.12590E-07	402198.0 37	754558.2	43.5	3.49	4.00	1.62	YES
L0003731	0	0.12590E-07	402198.0 37	754549.6	43.5	3.49	4.00	1.62	YES
L0003732	0	0.12590E-07	402198.0 37	754541.0	43.4	3.49	4.00	1.62	YES
L0003733	0	0.12590E-07	402198.1 37	754532.5	43.2	3.49	4.00	1.62	YES
L0003734	0	0.12590E-07	402198.1 37	754523.9	43.1	3.49	4.00	1.62	YES
L0003735	0	0.12590E-07	402198.1 37	754515.3	42.9	3.49	4.00	1.62	YES
L0003736	0	0.12590E-07	402198.1 37	754506.7	42.8	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
				. – – – -							
L0003737	0	0.12590E-07	402198.2	3754498.1	42.6	3.49	4.00	1.62	YES		
L0003738	0	0.12590E-07	402198.2	3754489.5	42.5	3.49	4.00	1.62	YES		
L0003739	0	0.12590E-07	402198.2	3754480.9	42.4	3.49	4.00	1.62	YES		
L0003740	0	0.12590E-07	402198.2	3754472.3	42.3	3.49	4.00	1.62	YES		
L0003741	0	0.12590E-07	402198.3	3754463.7	42.2	3.49	4.00	1.62	YES		

L0003742	0	0.12590E-07	402198.3 3754455.1	42.1	3.49	4.00	1.62	YES	
L0003743	0	0.12590E-07	402198.3 3754446.6	42.0	3.49	4.00	1.62	YES	
L0003744	0	0.12590E-07	402198.4 3754438.0	41.9	3.49	4.00	1.62	YES	
L0003745	0	0.12590E-07	402198.4 3754429.4	41.8	3.49	4.00	1.62	YES	
L0003746	0	0.12590E-07	402198.4 3754420.8	41.7	3.49	4.00	1.62	YES	
L0003747	0	0.12590E-07	402198.4 3754412.2	41.6	3.49	4.00	1.62	YES	
L0003748	0	0.12590E-07	402198.5 3754403.6	41.5	3.49	4.00	1.62	YES	
L0003749	0	0.12590E-07	402198.5 3754395.0	41.4	3.49	4.00	1.62	YES	
L0003750	0	0.12590E-07	402198.5 3754386.4	41.3	3.49	4.00	1.62	YES	
L0003751	0	0.12590E-07	402198.5 3754377.8	41.1	3.49	4.00	1.62	YES	
L0003752	0	0.12590E-07	402198.6 3754369.2	40.9	3.49	4.00	1.62	YES	
L0003753	0	0.12590E-07	402198.6 3754360.7	40.7	3.49	4.00	1.62	YES	
L0003754	0	0.12590E-07	402198.6 3754352.1	40.6	3.49	4.00	1.62	YES	
L0003755	0	0.12590E-07	402198.7 3754343.5	40.5	3.49	4.00	1.62	YES	
L0003756	0	0.12590E-07	402198.7 3754334.9	40.4	3.49	4.00	1.62	YES	
L0003757	0	0.12590E-07	402198.7 3754326.3	40.4	3.49	4.00	1.62	YES	
L0003758	0	0.12590E-07	402198.7 3754317.7	40.3	3.49	4.00	1.62	YES	
L0003759	0	0.12590E-07	402198.8 3754309.1	40.2	3.49	4.00	1.62	YES	
L0003760	0	0.12590E-07	402198.8 3754300.5	40.1	3.49	4.00	1.62	YES	
L0003761	0	0.12590E-07	402198.8 3754291.9	40.1	3.49	4.00	1.62	YES	
L0003762	0	0.12590E-07	402198.8 3754283.3	40.1	3.49	4.00	1.62	YES	
L0003763	0	0.12590E-07	402198.9 3754274.8	40.1	3.49	4.00	1.62	YES	
L0003764	0	0.12590E-07	402198.9 3754266.2	40.1	3.49	4.00	1.62	YES	
L0003765	0	0.12590E-07	402198.9 3754257.6	40.1	3.49	4.00	1.62	YES	
L0003766	0	0.12590E-07	402198.9 3754249.0	40.1	3.49	4.00	1.62	YES	
L0003767	0	0.12590E-07	402199.0 3754240.4	40.1	3.49	4.00	1.62	YES	
L0003768	0	0.12590E-07	402199.0 3754231.8	40.0	3.49	4.00	1.62	YES	
L0003769	0	0.12590E-07	402199.0 3754223.2	39.9	3.49	4.00	1.62	YES	
L0003770	0	0.12590E-07	402199.1 3754214.6	39.9	3.49	4.00	1.62	YES	
L0003771	0	0.12590E-07	402199.1 3754206.0	39.8	3.49	4.00	1.62	YES	
L0003772	0	0.12590E-07	402199.1 3754197.4	39.7	3.49	4.00	1.62	YES	
L0003773	0	0.12590E-07	402199.1 3754188.9	39.6	3.49	4.00	1.62	YES	
L0003774	0	0.12590E-07	402199.2 3754180.3	39.6	3.49	4.00	1.62	YES	
L0003775	0	0.12590E-07	402199.2 3754171.7	39.5	3.49	4.00	1.62	YES	
L0003776	0	0.12590E-07	402199.2 3754163.1	39.5	3.49	4.00	1.62	YES	
*** AERMOD - *** AERMET -			*** C:\Lakes\AERMOD *** 19471 Greenstone					tone 1st 14	years *** ***
*** MODELOPTS	: Re	aDFAULT CONC	! ELEV URBAN ADJ U*						

*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RAT	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0003777	0	0.12590E-07	402199.2	3754154.5	39.4	3.49	4.00	1.62	YES		
L0003778	0	0.12590E-07	402199.3	3754145.9	39.4	3.49	4.00	1.62	YES		

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L0003779
                     0.12590E-07 402199.3 3754137.3
                                                          39.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003780
                 Ω
                     0.12590E-07 402199.3 3754128.7
                                                          39.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003781
                 0
                     0.12590E-07
                                   402199.4 3754120.1
                                                          39.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003782
                 Ω
                     0.12590E-07 402199.4 3754111.5
                                                          39.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003783
                     0.12590E-07 402199.4 3754103.0
                                                          39.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003784
                 0
                     0.12590E-07
                                   402199.4 3754094.4
                                                          39.4
                                                                                               YES
                                                                   3.49
                                                                            4.00
                                                                                     1.62
L0003785
                 0
                     0.12590E-07
                                   402199.5 3754085.8
                                                          39.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
                     0.12590E-07 402199.5 3754077.2
                                                          39.5
                                                                                     1.62
                                                                                               YES
L0003786
                                                                   3.49
                                                                            4.00
L0003787
                 0
                     0.12590E-07 402199.5 3754068.6
                                                          39.5
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.12590E-07 402199.5 3754060.0
L0003788
                 0
                                                          39.5
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.12590E-07 402199.6 3754051.4
                                                                                               YES
L0003789
                 0
                                                          39.6
                                                                   3.49
                                                                            4.00
                                                                                     1.62
L0003790
                 0
                     0.12590E-07
                                   402199.6 3754042.8
                                                          39.5
                                                                                     1.62
                                                                   3.49
                                                                            4.00
                                                                                               YES
L0003791
                 0
                     0.12590E-07
                                  402199.6 3754034.2
                                                          39.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003792
                     0.12590E-07
                                  402199.6 3754025.6
                                                          39.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003793
                     0.12590E-07
                                  402199.7 3754017.1
                                                          39.3
                 0
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003794
                 0
                     0.12590E-07
                                   402199.7 3754008.5
                                                          39.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003795
                 Ω
                     0.12590E-07 402199.7 3753999.9
                                                          39.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
                     0.12590E-07 402199.8 3753991.3
L0003796
                                                          39.0
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003797
                 0
                     0.12590E-07 402199.8 3753982.7
                                                          38.9
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003798
                 0
                     0.12590E-07 402199.8 3753974.1
                                                          38.7
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003799
                 0
                     0.12590E-07 402199.8 3753965.5
                                                          38.6
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
                     0.12590E-07 402199.9 3753956.9
                                                          38.5
                                                                   3.49
                                                                            4.00
                                                                                               YES
L0003800
                                                                                     1.62
L0003801
                     0.12590E-07
                                   402199.9 3753948.3
                                                          38.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.12590E-07
                                   402199.9 3753939.8
L0003802
                 0
                                                          38.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.12590E-07
                                   402199.9 3753931.2
L0003803
                 0
                                                          38.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003804
                 Ω
                     0.12590E-07
                                   402200.0 3753922.6
                                                          38.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003805
                 0
                     0.12590E-07 402200.0 3753914.0
                                                          38.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003806
                 0
                     0.12590E-07 402200.0 3753905.4
                                                          38.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003807
                 0
                     0.12590E-07
                                   402200.2 3753896.8
                                                          38.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
                     0.12590E-07 402202.3 3753888.7
                                                                                     1.62
L0003808
                                                          38.0
                                                                   3.49
                                                                            4.00
                                                                                               YES
                 0
                     0.12590E-07 402210.2 3753886.8
                                                                                               YES
L0003809
                                                          38.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
L0003810
                     0.12590E-07 402218.7 3753886.8
                                                          38.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003811
                 0
                     0.12590E-07 402227.3 3753886.8
                                                          38.5
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                                   402235.9 3753886.8
                                                                                               YES
L0003812
                 0
                     0.12590E-07
                                                          38.7
                                                                   3.49
                                                                            4.00
                                                                                     1.62
L0003813
                 0
                     0.12590E-07
                                   402244.5 3753886.8
                                                          38.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
L0003814
                     0.12590E-07
                                   402253.1 3753886.8
                                                          39.0
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                                   402261.7 3753886.8
L0003815
                 Ω
                     0.12590E-07
                                                          39.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0003816
                 0
                     0.12590E-07
                                   402270.3 3753886.9
                                                          39.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
*** AERMOD - VERSION 21112 ***
                                   *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years ***
                                                                                                                          01/20/22
*** AERMET - VERSION 16216 ***
                                   *** 19471 Greenstone DPM Conc Years 2025 through 2038
                                                                                                                          17:31:46
                                                                                                                          PAGE 10
*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ U*
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	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION I	RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR V	ARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	

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L0003817
                      0.12590E-07
                                    402278.9 3753886.9
                                                           39.4
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003818
                  0
                      0.12590E-07
                                    402287.5 3753886.9
                                                           39.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003819
                  Ω
                      0.12590E-07
                                    402296.1 3753886.9
                                                           39.7
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003820
                      0.12590E-07
                                    402304.6 3753886.9
                                                           39.8
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                      0.12590E-07
                                                                                                 YES
L0003821
                  0
                                    402313.2 3753886.9
                                                           39.8
                                                                    3.49
                                                                              4.00
                                                                                       1.62
L0003822
                  0
                      0.12590E-07
                                    402321.8 3753886.9
                                                           40.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                  0
                                                                    3.49
                                                                              4.00
L0003823
                      0.12590E-07
                                    402330.4 3753886.9
                                                           40.3
                                                                                       1.62
                                                                                                 YES
L0003824
                  0
                      0.12590E-07
                                    402339.0 3753887.0
                                                           40.5
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003825
                  0
                      0.12590E-07
                                    402347.6 3753887.0
                                                           40.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003826
                  0
                      0.12590E-07
                                    402356.2 3753887.0
                                                           40.8
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                                    402364.8 3753887.0
L0003827
                  0
                      0.12590E-07
                                                           41.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003828
                  0
                      0.12590E-07
                                    402373.4 3753887.0
                                                           41.1
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003829
                      0.12590E-07
                                    402382.0 3753887.0
                                                                    3.49
                                                                                       1.62
                  0
                                                           41.2
                                                                              4.00
                                                                                                 YES
                      0.12590E-07
                                    402390.5 3753887.0
L0003830
                  0
                                                           41.3
                                                                                                 YES
                                                                    3.49
                                                                              4.00
                                                                                       1.62
L0003831
                  0
                      0.12590E-07
                                    402399.1 3753887.0
                                                           41.5
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003832
                  Ω
                      0.12590E-07
                                    402407.7 3753887.1
                                                           41.7
                                                                              4.00
                                                                                       1.62
                                                                    3.49
                                                                                                 YES
L0003833
                  0
                      0.12590E-07
                                    402416.3 3753887.1
                                                           41.9
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                      0.12590E-07
                                    402424.9 3753887.1
                                                                                       1.62
L0003834
                  0
                                                           41.9
                                                                    3.49
                                                                              4.00
                                                                                                 YES
L0003835
                  0
                      0.12590E-07
                                    402433.5 3753887.1
                                                           42.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003836
                  0
                      0.12590E-07
                                    402442.1 3753887.1
                                                           42.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                  0
                                                                                                 YES
L0003837
                      0.12590E-07
                                    402450.7 3753887.1
                                                           42.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
L0003838
                  0
                      0.12590E-07
                                    402459.1 3753886.3
                                                           42.0
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003839
                  0
                      0.12590E-07
                                    402465.7 3753881.5
                                                           41.9
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003840
                  0
                      0.12590E-07
                                    402467.9 3753873.3
                                                           41.8
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003841
                  Ω
                      0.12590E-07
                                    402468.8 3753864.7
                                                           41.7
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                      0.12590E-07
                  0
                                    402468.9 3753856.1
L0003842
                                                           41.7
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                                    402468.9 3753847.5
L0003843
                  0
                      0.12590E-07
                                                           41.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003844
                  0
                      0.12590E-07
                                    402468.9 3753839.0
                                                           41.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003845
                  0
                      0.12590E-07
                                    402468.9 3753830.4
                                                           41.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003846
                  0
                      0.12590E-07
                                    402468.9 3753821.8
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                                                           41.6
                                                                    3.49
L0003847
                      0.12590E-07
                                    402468.9 3753813.2
                                                                                                 YES
                  0
                                                           41.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
L0003848
                  0
                      0.12590E-07
                                    402469.0 3753804.6
                                                           41.6
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003849
                  0
                      0.12590E-07
                                    402469.0 3753796.0
                                                           41.5
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003850
                  0
                      0.12590E-07
                                    402469.0 3753787.4
                                                                                       1.62
                                                                                                 YES
                                                           41.5
                                                                    3.49
                                                                              4.00
L0003851
                  0
                      0.12590E-07
                                    402469.0 3753778.8
                                                           41.5
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003852
                  0
                      0.12590E-07
                                    402469.0 3753770.2
                                                           41.5
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003853
                  0
                      0.12590E-07
                                    402469.0 3753761.6
                                                           41.4
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
                                    402469.0 3753753.1
L0003854
                  0
                      0.12590E-07
                                                           41.4
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003855
                  Ω
                      0.12590E-07
                                    402469.0 3753744.5
                                                           41.3
                                                                    3.49
                                                                              4.00
                                                                                       1.62
                                                                                                 YES
L0003856
                      0.12590E-07
                                    402469.1 3753735.9
                                                           41.3
                                                                    3.49
                                                                              4.00
                                                                                       1.62
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)		Y (METERS)	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY BY	
			(MEIERS)				(MEIERS)	(METERS)			
L0003857	0	0.12590E-07	402469.1	3753727.3	41.2	3.49	4.00	1.62	YES		
L0003858	0	0.12590E-07	402469.1	3753718.7	41.1	3.49	4.00	1.62	YES		
L0003859	0	0.12590E-07	402469.1	3753710.1	41.1	3.49	4.00	1.62	YES		
L0003860	0	0.12590E-07	402469.1	3753701.5	41.0	3.49	4.00	1.62	YES		
L0003861	0	0.12590E-07	402469.1	3753692.9	40.9	3.49	4.00	1.62	YES		
L0003862	0	0.12590E-07	402469.1	3753684.3	40.9	3.49	4.00	1.62	YES		
L0003863	0	0.12590E-07	402469.1	3753675.7	40.8	3.49	4.00	1.62	YES		
L0003864	0	0.12590E-07	402469.2	3753667.2	40.7	3.49	4.00	1.62	YES		
L0003865	0	0.12590E-07	402469.2	3753658.6	40.6	3.49	4.00	1.62	YES		
L0003866	0	0.12590E-07			40.5	3.49	4.00	1.62	YES		
L0003867	0	0.12590E-07			40.4	3.49	4.00	1.62	YES		
L0003868	0	0.12590E-07	402469.2	3753632.8	40.3	3.49	4.00	1.62	YES		
L0003869	0	0.12590E-07			40.2	3.49	4.00	1.62	YES		
L0003870	0	0.12590E-07			40.1	3.49	4.00	1.62	YES		
L0003871	0	0.12590E-07			40.0	3.49	4.00	1.62	YES		
L0003872	0	0.12590E-07				3.49	4.00	1.62	YES		
L0003873	0	0.12590E-07			39.8	3.49	4.00	1.62	YES		
L0003874	0	0.12590E-07			39.6	3.49	4.00	1.62	YES		
L0003875	0	0.12590E-07			39.5	3.49	4.00	1.62	YES		
L0003876	0	0.12590E-07			39.4	3.49	4.00	1.62	YES		
L0003877	0	0.12590E-07			39.3	3.49	4.00	1.62	YES		
L0003878	0	0.12590E-07			39.1	3.49	4.00	1.62	YES		
L0003879	0	0.12590E-07			39.0	3.49	4.00	1.62	YES		
L0003880	0	0.12590E-07				3.49	4.00	1.62	YES		
L0003881	0	0.12590E-07			38.7	3.49	4.00	1.62	YES		
L0003882	0	0.12590E-07			38.4	3.49	4.00	1.62	YES		
L0003883	0	0.12590E-07			38.2	3.49	4.00	1.62	YES		
L0003884	0	0.12590E-07			38.0	3.49	4.00	1.62	YES		
L0003885	0	0.63350E-08			32.9	3.49	4.00	1.62	YES		
L0003886	0	0.63350E-08			32.9	3.49	4.00	1.62	YES		
L0003887	0	0.63350E-08			32.9	3.49	4.00	1.62	YES		
L0003888	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003889	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003890	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003891	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003892	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003893	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003894	0 0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
		0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003896	0	0.63350E-08	400947.0	3753485.6	32.8	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\T.a	kes\AERMOD	View\Cr	enstone	1st 14 ves	ars\Greens	tone 1st	14 years ***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471	Greenston	e DPM Co	nc Years	2025 throi	iah 2038		***	17:31:46
111111111111111111111111111111111111111	, LIGION	10210	10171	C1 CC115 CO11	.c Din coi	10415	2020 011100				PAGE 12
*** MODELODT	'c. Do	CONC	מוז ווים דים	וז ד. חוג מוגם	*						

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X	Y (METERS)	BASE ELEV. (METERS)			INIT. SZ (METERS)		EMISSION RATE SCALAR VARY BY	=
L0003897	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003898	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003899	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003900	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003901	0	0.63350E-08			32.8	3.49	4.00	1.62	YES		
L0003902	0	0.63350E-08	400998.5	3753485.8	32.7	3.49	4.00	1.62	YES		
L0003903	0	0.63350E-08	401007.1	3753485.8	32.7	3.49	4.00	1.62	YES		
L0003904	0	0.63350E-08	401015.7	3753485.8	32.7	3.49	4.00	1.62	YES		
L0003905	0	0.63350E-08	401024.3	3753485.9	32.7	3.49	4.00	1.62	YES		
L0003906	0	0.63350E-08	401032.9	3753485.9	32.7	3.49	4.00	1.62	YES		
L0003907	0	0.63350E-08	401041.5	3753485.9	32.7	3.49	4.00	1.62	YES		
L0003908	0	0.63350E-08	401050.0	3753486.0	32.7	3.49	4.00	1.62	YES		
L0003909	0	0.63350E-08	401058.6	3753486.0	32.7	3.49	4.00	1.62	YES		
L0003910	0	0.63350E-08	401067.2	3753486.0	32.7	3.49	4.00	1.62	YES		
L0003911	0	0.63350E-08	401075.8	3753486.1	32.7	3.49	4.00	1.62	YES		
L0003912	0	0.63350E-08	401084.4	3753486.1	32.7	3.49	4.00	1.62	YES		
L0003913	0	0.63350E-08	401093.0	3753486.2	32.6	3.49	4.00	1.62	YES		
L0003914	0	0.63350E-08	401101.6	3753486.2	32.6	3.49	4.00	1.62	YES		
L0003915	0	0.63350E-08	401110.2	3753486.2	32.6	3.49	4.00	1.62	YES		
L0003916	0	0.63350E-08	401118.8	3753486.3	32.5	3.49	4.00	1.62	YES		
L0003917	0	0.63350E-08			32.5	3.49	4.00	1.62	YES		
L0003918	0	0.63350E-08			32.5	3.49	4.00	1.62	YES		
L0003919	0	0.63350E-08			32.5	3.49	4.00	1.62	YES		
L0003920	0	0.63350E-08			32.6	3.49	4.00	1.62	YES		
L0003921	0	0.63350E-08			32.5	3.49	4.00	1.62	YES		
L0003922	0	0.63350E-08			32.5	3.49	4.00	1.62	YES		
L0003923	0	0.63350E-08			32.4	3.49	4.00	1.62	YES		
L0003924	0	0.63350E-08			32.4	3.49	4.00	1.62	YES		
L0003925	0	0.63350E-08			32.4	3.49	4.00	1.62	YES		
L0003926	0	0.63350E-08			32.3	3.49	4.00	1.62	YES		
L0003927	0	0.63350E-08			32.3	3.49	4.00	1.62	YES		
L0003927	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003929	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003929	0	0.63350E-08				3.49	4.00	1.62	YES		
L0003931	0	0.63350E-08			32.3	3.49	4.00	1.62	YES		
L0003931	0	0.63350E-08			32.3	3.49	4.00	1.62	YES		
		0.63350E-08			32.2	3.49	4.00	1.62	YES		
L0003933	0 0 0	0.63350E-08			32.2	3.49	4.00	1.62	YES		
L0003934	0	0.63350E-08			32.3	3.49	4.00	1.62	YES		
	0	0.63350E-08			32.4	3.49	4.00	1.62	YES		
L0003936	U	U.0335UE-U8	401290.6	3/33480.9	32.4	3.49	4.00	1.02	YES		
*** AERMOD -	- VERSION	21112 ***	*** C:\La	kes\AERMOI	View\Gr	eenstone	lst 14 ve	ars\Greens	tone 1st	: 14 years *** 0	1/20/22
*** AERMET -	- VERSION	16216 ***	*** 19471	Greenstor	ne DPM Co	nc Years	2025 thro	ugh 2038			7:31:46
								J 7			AGE 13

	NUMBER	EMISSION RAT	Ε		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0003937	0	0 63350# 00	401200 2	2752407 0	22 4	2 40	4 00	1 60	YES	
		0.63350E-08					4.00	1.62 1.62		
L0003938	0								YES	
L0003939	0 0	0.63350E-08 0.63350E-08					4.00	1.62 1.62	YES YES	
L0003940 L0003941	0	0.63350E-08					4.00	1.62	YES	
L0003941 L0003942	0	0.63350E-08					4.00	1.62	YES	
L0003942	0 0	0.63350E-08					4.00	1.62	YES	
L0003943	0	0.63350E-08					4.00	1.62	YES	
L0003944	0	0.63350E-08					4.00	1.62	YES	
L0003945	0 0	0.63350E-08					4.00	1.62	YES	
L0003947	0	0.63350E-08					4.00	1.62	YES	
L0003917	0	0.63350E-08					4.00	1.62	YES	
L0003910	0	0.63350E-08					4.00	1.62	YES	
L0003919	0	0.63350E-08					4.00	1.62	YES	
L0003950	0	0.63350E-08					4.00	1.62	YES	
L0003952	0	0.63350E-08					4.00	1.62	YES	
L0003953	0	0.63350E-08					4.00	1.62	YES	
L0003954	0	0.63350E-08					4.00	1.62	YES	
L0003955	0	0.63350E-08					4.00	1.62	YES	
L0003956	0	0.63350E-08					4.00	1.62	YES	
L0003957	0	0.63350E-08					4.00	1.62	YES	
L0003958	0	0.63350E-08					4.00	1.62	YES	
L0003959	0	0.63350E-08	401488.1	3753487.7			4.00	1.62	YES	
L0003960	0	0.63350E-08	401496.7	3753487.7	33.5	3.49	4.00	1.62	YES	
L0003961	0	0.63350E-08	401505.3	3753487.8	33.5	3.49	4.00	1.62	YES	
L0003962	0 0	0.63350E-08	401513.9	3753487.8	33.5	3.49	4.00	1.62	YES	
L0003963	0	0.63350E-08	401522.5	3753487.8	33.6	3.49	4.00	1.62	YES	
L0003964	0	0.63350E-08	401531.1	3753487.9	33.6	3.49	4.00	1.62	YES	
L0003965	0	0.63350E-08					4.00	1.62	YES	
L0003966	0	0.63350E-08				3.49	4.00	1.62	YES	
L0003967	0	0.63350E-08	401556.9	3753488.0	33.8		4.00	1.62	YES	
L0003968	0	0.63350E-08					4.00	1.62	YES	
L0003969	0	0.63350E-08					4.00	1.62	YES	
L0003970	0	0.63350E-08					4.00	1.62	YES	
L0003971	0	0.63350E-08				3.49	4.00	1.62	YES	
L0003972	0	0.63350E-08					4.00	1.62	YES	
	0	0.63350E-08					4.00	1.62	YES	
L0003974	0 0	0.63350E-08					4.00	1.62	YES	
L0003975	0	0.63350E-08					4.00	1.62	YES	
L0003976	0	0.63350E-08	401634.2	3753488.3	34.6	3.49	4.00	1.62	YES	

		EMISSION RATI			BASE	RELEASE	INIT.	INIT.		EMISSION RATE
SOURCE	PART.				ELEV.	HEIGHT	SY	SZ		SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		
L0003977	0	0.63350E-08	401642.8	3753488.3	34.6	3.49	4.00	1.62	YES	
L0003978	0	0.63350E-08	401651.3	3753488.3			4.00	1.62	YES	
L0003979	0	0.63350E-08	401659.9	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003980	0	0.63350E-08	401668.5	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003981	0	0.63350E-08	401677.1	3753488.4	34.7	3.49	4.00	1.62	YES	
L0003982	0	0.63350E-08	401685.7	3753488.5	34.7	3.49	4.00	1.62	YES	
L0003983	0	0.63350E-08	401694.3	3753488.5	34.7	3.49	4.00	1.62	YES	
L0003984	0	0.63350E-08	401702.9	3753488.5	34.6	3.49	4.00	1.62	YES	
L0003985	0	0.63350E-08	401711.5	3753488.6	34.6	3.49	4.00	1.62	YES	
L0003986	0	0.63350E-08	401720.1	3753488.6	34.6	3.49	4.00	1.62	YES	
L0003987	0	0.63350E-08	401728.6	3753488.7	34.6	3.49	4.00	1.62	YES	
L0003988	0	0.63350E-08	401737.2	3753488.7	34.7	3.49	4.00	1.62	YES	
L0003989	0	0.63350E-08	401745.8	3753488.7	34.7	3.49	4.00	1.62	YES	
L0003990	0	0.63350E-08	401754.4	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003991	0	0.63350E-08	401763.0	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003992	0	0.63350E-08	401771.6	3753488.8	34.7	3.49	4.00	1.62	YES	
L0003993	0	0.63350E-08	401780.2	3753488.9	34.6	3.49	4.00	1.62	YES	
L0003994	0	0.63350E-08	401788.8	3753488.9	34.6	3.49	4.00	1.62	YES	
L0003995	0	0.63350E-08	401797.4	3753488.9	34.5	3.49	4.00	1.62	YES	
L0003996	0	0.63350E-08	401806.0	3753489.0	34.4	3.49	4.00	1.62	YES	
L0003997	0	0.63350E-08	401814.5	3753489.0	34.3	3.49	4.00	1.62	YES	
L0003998	0	0.63350E-08	401823.1	3753489.0	34.2	3.49	4.00	1.62	YES	
L0003999	0	0.63350E-08	401831.7	3753489.1	34.1	3.49	4.00	1.62	YES	
L0004000	0	0.63350E-08	401840.3	3753489.1	34.0	3.49	4.00	1.62	YES	
L0004001	0	0.63350E-08	401848.9	3753489.1	33.9	3.49	4.00	1.62	YES	
L0004002	0	0.63350E-08	401857.5	3753489.2	33.8	3.49	4.00	1.62	YES	
L0004003	0	0.63350E-08	401866.1	3753489.2	33.7	3.49	4.00	1.62	YES	
L0004004	0	0.63350E-08	401874.7	3753489.2	33.6	3.49	4.00	1.62	YES	
L0004005	0	0.63350E-08	401883.3	3753489.3	33.5	3.49	4.00	1.62	YES	
L0004006	0	0.63350E-08	401891.9	3753489.3	33.3	3.49	4.00	1.62	YES	
L0004007	0	0.63350E-08	401900.4	3753489.3	33.2	3.49	4.00	1.62	YES	
L0004008	0	0.63350E-08	401909.0	3753489.4	33.0	3.49	4.00	1.62	YES	
L0004009	0	0.63350E-08	401917.6	3753489.4	32.8	3.49	4.00	1.62	YES	
L0004010	0	0.63350E-08	401926.2	3753489.4	32.8	3.49	4.00	1.62	YES	
L0004011	0 0	0.63350E-08	401934.8	3753489.5	33.1	3.49	4.00	1.62	YES	
L0004012	0	0.63350E-08	401943.4	3753489.5	33.4	3.49	4.00	1.62	YES	
L0004013	0	0.63350E-08	401952.0	3753489.5	33.6	3.49	4.00	1.62	YES	
L0004014	0	0.63350E-08	401960.6	3753489.6	33.4	3.49	4.00	1.62	YES	

L0004015	0	0.63350E-08	401969.2 3753489.6	33.1	3.49	4.00	1.62	YES
L0004016	0	0.63350E-08	401977.8 3753489.6	32.9	3.49	4.00	1.62	YES

01/20/22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

ID	PART. CATS.	EMISSION RATH	X (METERS)	(METERS)	ELEV. (METERS)		SY (METERS)	(METERS)	SOURCE	EMISSION RATE SCALAR VARY BY
L0004017	0	0.63350E-08	401986 3	3753489 7	33 1	3.49	4.00	1.62	YES	
L0004017	0	0.63350E-08					4.00	1.62	YES	
L0004019	0	0.63350E-08					4.00	1.62	YES	
L0004020	0	0.63350E-08			33.7		4.00	1.62	YES	
L0004021	0	0.63350E-08		3753489.8			4.00	1.62	YES	
L0004022	0	0.63350E-08		3753489.8		3.49	4.00	1.62	YES	
L0004023	0			3753489.9		3.49	4.00	1.62	YES	
	0	0.63350E-08				3.49	4.00	1.62	YES	
L0004025	0	0.63350E-08					4.00	1.62	YES	
L0004026	0 0	0.63350E-08				3.49	4.00	1.62	YES	
	0	0.63350E-08		3753490.0			4.00	1.62	YES	
L0004028	0	0.63350E-08	402080.8	3753490.0	34.4	3.49	4.00	1.62	YES	
L0004029	0	0.63350E-08		3753490.1			4.00	1.62	YES	
L0004030	0	0.63350E-08	402098.0	3753490.1	35.3	3.49	4.00	1.62	YES	
L0004031	0	0.63350E-08				3.49	4.00	1.62	YES	
L0004032	0	0.63350E-08	402115.2	3753490.2	35.9	3.49	4.00	1.62	YES	
L0004033	0	0.63350E-08	402123.8	3753490.2	36.0	3.49	4.00	1.62	YES	
L0004034	0	0.63350E-08	402132.4	3753490.2	36.1	3.49	4.00	1.62	YES	
L0004035	0	0.63350E-08	402141.0	3753490.3	36.4	3.49	4.00	1.62	YES	
L0004036	0	0.63350E-08	402149.6	3753490.3	36.6	3.49	4.00	1.62	YES	
L0004037	0	0.63350E-08	402158.1	3753490.3	36.8	3.49	4.00	1.62	YES	
L0004038	0	0.63350E-08	402166.7	3753490.4	36.8	3.49	4.00	1.62	YES	
L0004039	0	0.63350E-08	402175.3	3753490.4	36.9	3.49	4.00	1.62	YES	
L0004040	0	0.63350E-08		3753490.4		3.49	4.00	1.62	YES	
L0004041	0			3753490.5	37.2	3.49	4.00	1.62	YES	
L0004042	0	0.63350E-08	402201.1	3753490.5	37.3	3.49	4.00	1.62	YES	
L0004043	0	0.63350E-08	402209.7	3753490.5	37.5	3.49	4.00	1.62	YES	
L0004044	0	0.63350E-08	402218.3	3753490.6	37.5	3.49	4.00	1.62	YES	
L0004045	0	0.63350E-08	402226.9	3753490.6	37.6		4.00	1.62	YES	
L0004046	0	0.63350E-08	402235.5	3753490.6	37.7		4.00	1.62	YES	
L0004047	0			3753490.7		3.49	4.00	1.62	YES	
L0004048	0 0	0.63350E-08					4.00	1.62	YES	
L0004049	0	0.63350E-08					4.00	1.62	YES	
L0004050	0	0.63350E-08		3753490.8			4.00	1.62	YES	
L0004051	0	0.63350E-08	402278.4	3753490.8	38.4	3.49	4.00	1.62	YES	

L0004052	0	0.63350E-08	402287.0 3753490.9	38.4	3.49	4.00	1.62	YES		
L0004053	0	0.63350E-08	402295.6 3753491.0	38.4	3.49	4.00	1.62	YES		
L0004054	0	0.63350E-08	402304.2 3753491.2	38.4	3.49	4.00	1.62	YES		
L0004055	0	0.63350E-08	402312.8 3753491.3	38.4	3.49	4.00	1.62	YES		
L0004056	0	0.63350E-08	402321.4 3753491.4	38.4	3.49	4.00	1.62	YES		
*** AERMOD -	- VERSION	J 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 1s	st 14 year	rs\Greenst	tone 1st 1	1 years ***	01/20/22
*** AERMET -	- VERSION	J 16216 ***	*** 19471 Greenstone	DPM Con	c Years 20	25 throug	gh 2038		***	17:31:46

*** VOLUME SOURCE DATA ***

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SOURCE ID	PART.	EMISSION RATE (GRAMS/SEC)	X	Y (METERS)	ELEV.	HEIGHT	SY	SZ	SOURCE	EMISSION RATE SCALAR VARY BY
L0004057	0	0.63350E-08	402329.9	3753491.6	38.4	3.49	4.00	1.62	YES	
L0004058	0	0.63350E-08	402338.5	3753491.7	38.4	3.49	4.00	1.62	YES	
L0004059	0	0.63350E-08	402347.1	3753491.8	38.4	3.49	4.00	1.62	YES	
L0004060	0	0.63350E-08					4.00	1.62	YES	
L0004061	0	0.63350E-08	402364.3	3753491.1	38.4	3.49	4.00	1.62	YES	
L0004062	0	0.63350E-08			38.4	3.49	4.00	1.62	YES	
L0004063	0	0.63350E-08			38.4	3.49	4.00	1.62	YES	
L0004064	0	0.63350E-08						1.62	YES	
L0004065	0	0.63350E-08						1.62	YES	
L0004066		0.63350E-08	402407.1	3753488.2	38.4	3.49	4.00	1.62	YES	
L0004067		0.63350E-08			38.4	3.49		1.62	YES	
L0004068		0.63350E-08				3.49		1.62	YES	
L0004069		0.63350E-08						1.62	YES	
L0004070		0.63350E-08						1.62	YES	
	0	0.63350E-08					4.00	1.62	YES	
L0004072		0.63350E-08						1.62	YES	
L0004073		0.63350E-08						1.62	YES	
L0004074		0.63350E-08						1.62	YES	
L0004075		0.63350E-08						1.62	YES	
L0004076		0.63350E-08						1.62	YES	
L0004077		0.63350E-08						1.62	YES	
L0004078		0.63350E-08					4.00	1.62	YES	
L0004079		0.63350E-08						1.62	YES	
L0004080	0	0.63350E-08	402526.1	3753471.1	37.1	3.49	4.00	1.62	YES	
L0004081	0	0.63350E-08	402534.6	3753469.9		3.49	4.00	1.62	YES	
L0004082	0	0.63350E-08				3.49	4.00	1.62	YES	
L0004083	0	0.63350E-08	402551.6	3753467.4	36.8	3.49	4.00	1.62	YES	
L0004084	0	0.63350E-08	402560.2	3753466.9	36.6	3.49	4.00	1.62	YES	
L0004085	0	0.63350E-08	402568.8	3753466.4	36.5	3.49	4.00	1.62	YES	
		0.63350E-08					4.00	1.62	YES	
		0.63350E-08						1.62	YES	
L0004088	0	0.63350E-08	402594.5	3753464.8	36.1	3.49	4.00	1.62	YES	

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L0004089
              0 0.63350E-08 402603.1 3753464.4
                                              35.9
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
L0004090
              0 0.63350E-08 402611.7 3753464.5
                                              35.8
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
L0004091
              0 0.63350E-08 402620.2 3753464.6
                                              35.6
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
L0004092
              0 0.63350E-08 402628.8 3753464.7
                                             35.5
                                                     3.49
                                                             4.00
                                                                    1.62
                                                                            YES
              0 0.63350E-08 402637.4 3753464.8
L0004093
                                              35.3
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
L0004094
              0 0.63350E-08 402646.0 3753465.0
                                              35.1
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
                0.63350E-08 402654.6 3753465.1
                                                                            YES
L0004095
              0
                                              34.9
                                                      3.49
                                                             4.00
                                                                    1.62
L0004096
              0 0.63350E-08 402663.2 3753465.2
                                              34.8
                                                      3.49
                                                             4.00
                                                                    1.62
                                                                            YES
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                  01/20/22
17:31:46
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*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RATE	<u> </u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
T 0 0 0 4 0 0 F	0	0 63350= 00	400681 0	2552465	24.6	2 40	4 00	1 60		
		0.63350E-08						1.62	YES	
							4.00	1.62	YES	
	0	0.63350E-08				3.49	4.00	1.62	YES	
	0	0.63350E-08				3.49	4.00	1.62	YES	
	0	0.63350E-08			33.8	3.49	4.00	1.62	YES	
L0004102	0	0.63350E-08			33.5	3.49	4.00	1.62	YES	
	0	0.63350E-08			33.3	3.49	4.00	1.62	YES	
	0	0.63350E-08	402731.9	3753465.8	33.1	3.49	4.00	1.62	YES	
	0	0.63350E-08	402740.5	3753465.9		3.49	4.00	1.62	YES	
L0004106	0	0.63350E-08	402749.1	3753466.0	32.8	3.49	4.00	1.62	YES	
	0	0.63350E-08	402757.7	3753466.0	32.6	3.49	4.00	1.62	YES	
L0004108	0	0.63350E-08	402766.3	3753466.1	32.5	3.49	4.00	1.62	YES	
L0004109	0	0.63350E-08	402774.9	3753466.2	32.3	3.49	4.00	1.62	YES	
L0004110	0	0.63350E-08	402783.4	3753466.3	32.2	3.49	4.00	1.62	YES	
L0004111	0	0.63350E-08	402792.0	3753466.3	32.0	3.49	4.00	1.62	YES	
L0004112	0	0.63350E-08	402800.6	3753466.4	31.9	3.49	4.00	1.62	YES	
L0004113	0	0.63350E-08	402809.2	3753466.5	31.8	3.49	4.00	1.62	YES	
L0004114	0	0.63350E-08	402817.8	3753466.6	31.6	3.49	4.00	1.62	YES	
L0004115	0	0.63350E-08	402826.4	3753466.6	31.4	3.49	4.00	1.62	YES	
L0004116	0	0.63350E-08	402835.0	3753466.7	31.3	3.49	4.00	1.62	YES	
	0	0.63350E-08	402843.6	3753466.8	31.2	3.49	4.00	1.62	YES	
L0004118	0	0.63350E-08	402852.2	3753466.9	31.1	3.49	4.00	1.62	YES	
L0004119	0	0.63350E-08	402860.8	3753467.0	31.0	3.49	4.00	1.62	YES	
L0004120	0	0.63350E-08	402869.3	3753467.0	31.0	3.49	4.00	1.62	YES	
L0004121	0	0.63350E-08	402877.9	3753467.1	31.0	3.49	4.00	1.62	YES	
	0	0.63350E-08			31.0	3.49	4.00	1.62	YES	
	0	0.63350E-08			30.9	3.49	4.00	1.62	YES	
		0.63350E-08					4.00	1.62	YES	
		0.63350E-08				3.49	4.00	1.62	YES	

L0004126	0	0.63350E-08	402920.9 3753467.5	30.9	3.49	4.00	1.62	YES
L0001120	0	0.63350E-08	402929.5 3753467.6	30.9	3.49	4.00	1.62	YES
L0004128	0	0.63350E-08	402938.1 3753467.6	30.9	3.49	4.00	1.62	YES
L0004129	0	0.63350E-08	402946.7 3753467.7	30.9	3.49	4.00	1.62	YES
L0004130	0	0.63350E-08	402955.2 3753467.8	30.8	3.49	4.00	1.62	YES
L0004131	0	0.63350E-08	402963.8 3753467.9	30.7	3.49	4.00	1.62	YES
L0004132	0	0.63350E-08	402972.4 3753467.9	30.6	3.49	4.00	1.62	YES
L0004133	0	0.63350E-08	402981.0 3753468.0	30.5	3.49	4.00	1.62	YES
L0004134	0	0.63350E-08	402989.6 3753468.1	30.5	3.49	4.00	1.62	YES
L0004135	0	0.63350E-08	402998.2 3753468.2	30.5	3.49	4.00	1.62	YES
L0004136	0	0.63350E-08	403006.8 3753468.3	30.5	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

20177 27		EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	
ID	CATS.		(METERS)) (METERS)	(METERS)	,	(METERS)	(METERS)		BY
L0004137	0	0.63350E-08	403015.4	3753468.3	30.5	3.49	4.00	1.62	YES	
L0004138	0	0.63350E-08	403024.0	3753468.4	30.5	3.49	4.00	1.62	YES	
L0004139	0	0.63350E-08	403032.5	3753468.5	30.5	3.49	4.00	1.62	YES	
L0004140	0	0.63350E-08	403041.1	3753468.6	30.5	3.49	4.00	1.62	YES	
L0004141	0	0.63350E-08	403049.7	3753468.6	30.5	3.49	4.00	1.62	YES	
L0004142	0	0.63350E-08	403058.3	3753468.7	30.4	3.49	4.00	1.62	YES	
L0004143	0	0.63350E-08	403066.9	3753468.8	30.4	3.49	4.00	1.62	YES	
L0004144	0	0.63350E-08	403075.5	3753468.9	30.4	3.49	4.00	1.62	YES	
L0004145	0	0.63350E-08	403084.1	3753468.9	30.4	3.49	4.00	1.62	YES	
L0004146	0	0.63350E-08	403092.7	3753469.0	30.4	3.49	4.00	1.62	YES	
L0004147	0	0.63350E-08	403101.3	3753469.1	30.4	3.49	4.00	1.62	YES	
L0004148	0	0.63350E-08	403109.9	3753469.2	30.4	3.49	4.00	1.62	YES	
L0004149	0	0.63350E-08	403118.4	3753469.2	30.4	3.49	4.00	1.62	YES	
L0004150	0	0.63350E-08	403127.0	3753469.3	30.4	3.49	4.00	1.62	YES	
L0004151	0	0.63350E-08	403135.6	3753469.4	30.4	3.49	4.00	1.62	YES	
L0004152	0	0.63350E-08	403144.2	3753469.5	30.4	3.49	4.00	1.62	YES	
L0004153	0	0.63350E-08	403152.8	3753469.5	30.4	3.49	4.00	1.62	YES	
L0004154	0	0.63350E-08	403161.4	3753469.6	30.4	3.49	4.00	1.62	YES	
L0004155	0	0.63350E-08	403170.0	3753469.7	30.5	3.49	4.00	1.62	YES	
L0004156	0	0.63350E-08	403178.6	3753469.8	30.5	3.49	4.00	1.62	YES	
L0004157	0	0.63350E-08	403187.2	3753469.9	30.5	3.49	4.00	1.62	YES	
L0004158	0	0.63350E-08	403195.8	3753469.9	30.4	3.49	4.00	1.62	YES	
L0004159	0	0.63350E-08	403204.3	3753470.0	30.4	3.49	4.00	1.62	YES	
L0004160	0	0.63350E-08	403212.9	3753470.1	30.3	3.49	4.00	1.62	YES	
L0004161	0	0.63350E-08	403221.5	3753470.2	30.3	3.49	4.00	1.62	YES	
L0004162	0	0.63350E-08	403230.1	3753470.2	30.3	3.49	4.00	1.62	YES	

L0004163	0	0.63350E-08	403238.7 3753470.3	30.4	3.49	4.00	1.62	YES		
L0004164	0	0.63350E-08	403247.3 3753470.4	30.4	3.49	4.00	1.62	YES		
L0004165	0	0.63350E-08	403255.9 3753470.5	30.5	3.49	4.00	1.62	YES		
L0004166	0	0.62940E-08	400847.0 3755482.3	41.8	3.49	4.00	1.62	YES		
L0004167	0	0.62940E-08	400855.6 3755482.3	41.7	3.49	4.00	1.62	YES		
L0004168	0	0.62940E-08	400864.2 3755482.3	41.6	3.49	4.00	1.62	YES		
L0004169	0	0.62940E-08	400872.8 3755482.3	41.6	3.49	4.00	1.62	YES		
L0004170	0	0.62940E-08	400881.4 3755482.3	41.8	3.49	4.00	1.62	YES		
L0004171	0	0.62940E-08	400890.0 3755482.3	41.9	3.49	4.00	1.62	YES		
L0004172	0	0.62940E-08	400898.5 3755482.3	42.0	3.49	4.00	1.62	YES		
L0004173	0	0.62940E-08	400907.1 3755482.3	42.0	3.49	4.00	1.62	YES		
L0004174	0	0.62940E-08	400915.7 3755482.3	42.0	3.49	4.00	1.62	YES		
L0004175	0	0.62940E-08	400924.3 3755482.3	42.1	3.49	4.00	1.62	YES		
L0004176	0	0.62940E-08	400932.9 3755482.3	42.0	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone	1st 14 years	s\Greens	tone 1st 14	years ***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Cond	c Years	2025 through	n 2038		***	17:31:46

*** VOLUME SOURCE DATA ***

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	NUMBER	EMISSION RATI	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
	:									
L0004177	0	0.62940E-08				3.49	4.00	1.62	YES	
L0004178	0	0.62940E-08		3755482.3	42.2	3.49	4.00	1.62	YES	
L0004179	0	0.62940E-08	400958.7	3755482.3	42.3	3.49	4.00	1.62	YES	
L0004180	0	0.62940E-08	400967.3	3755482.3	42.5	3.49	4.00	1.62	YES	
L0004181	0	0.62940E-08	400975.9	3755482.3	42.6	3.49	4.00	1.62	YES	
L0004182	0	0.62940E-08	400984.4	3755482.3	42.6	3.49	4.00	1.62	YES	
L0004183	0	0.62940E-08	400993.0	3755482.3	42.6	3.49	4.00	1.62	YES	
L0004184	0	0.62940E-08	401001.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004185	0	0.62940E-08	401010.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004186	0	0.62940E-08	401018.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004187	0	0.62940E-08	401027.4	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004188	0	0.62940E-08	401036.0	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004189	0	0.62940E-08	401044.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004190	0	0.62940E-08	401053.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004191	0	0.62940E-08	401061.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004192	0	0.62940E-08	401070.3	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004193	0	0.62940E-08	401078.9	3755482.3	42.7	3.49	4.00	1.62	YES	
L0004194	0	0.62940E-08	401087.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004195	0	0.62940E-08	401096.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004196	0	0.62940E-08	401104.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0004197	0	0.62940E-08	401113.3	3755482.3	43.0	3.49	4.00	1.62	YES	
L0004198	0	0.62940E-08	401121.9	3755482.3	43.1	3.49	4.00	1.62	YES	
L0004199	0	0.62940E-08	401130.5	3755482.3	43.1	3.49	4.00	1.62	YES	

L0004200	0	0.62940E-08	401139.1 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004201	0	0.62940E-08	401147.7 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004202	0	0.62940E-08	401156.2 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004203	0	0.62940E-08	401164.8 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004204	0	0.62940E-08	401173.4 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004205	0	0.62940E-08	401182.0 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004206	0	0.62940E-08	401190.6 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004207	0	0.62940E-08	401199.2 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004208	0	0.62940E-08	401207.8 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004209	0	0.62940E-08	401216.4 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004210	0	0.62940E-08	401225.0 3755482.3	43.1	3.49	4.00	1.62	YES	
L0004211	0	0.62940E-08	401233.6 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004212	0	0.62940E-08	401242.1 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004213	0	0.62940E-08	401250.7 3755482.3	42.9	3.49	4.00	1.62	YES	
L0004214	0	0.62940E-08	401259.3 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004215	0	0.62940E-08	401267.9 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004216	0	0.62940E-08	401276.5 3755482.3	43.1	3.49	4.00	1.62	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	<u> </u>		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0004217	0	0.62940E-08	401285.1	3755482.3	43.1	3.49	4.00	1.62	YES	
L0004218	0	0.62940E-08	401293.7	3755482.3	43.2	3.49	4.00	1.62	YES	
L0004219	0	0.62940E-08	401302.3	3755482.3	43.2	3.49	4.00	1.62	YES	
L0004220	0	0.62940E-08	401310.9	3755482.3	43.3	3.49	4.00	1.62	YES	
L0004221	0	0.62940E-08	401319.5	3755482.3	43.3	3.49	4.00	1.62	YES	
L0004222	0	0.62940E-08	401328.0	3755482.3	43.4	3.49	4.00	1.62	YES	
L0004223	0	0.62940E-08	401336.6	3755482.3	43.3	3.49	4.00	1.62	YES	
L0004224	0	0.62940E-08	401345.2	3755482.3	43.1	3.49	4.00	1.62	YES	
L0004225	0	0.62940E-08	401353.8	3755482.3	43.0	3.49	4.00	1.62	YES	
L0004226	0	0.62940E-08	401362.4	3755482.3	43.0	3.49	4.00	1.62	YES	
L0004227	0	0.62940E-08	401371.0	3755482.3	43.0	3.49	4.00	1.62	YES	
L0004228	0	0.62940E-08	401379.6	3755482.3	42.9	3.49	4.00	1.62	YES	
L0004229	0	0.62940E-08	401388.2	3755482.3	42.9	3.49	4.00	1.62	YES	
L0004230	0	0.62940E-08	401396.8	3755482.3	42.9	3.49	4.00	1.62	YES	
L0004231	0	0.62940E-08	401405.4	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004232	0	0.62940E-08	401413.9	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004233	0	0.62940E-08	401422.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004234	0	0.62940E-08	401431.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0004235	0	0.62940E-08	401439.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0004236	0	0.62940E-08	401448.3	3755482.3	43.0	3.49	4.00	1.62	YES	

L0004237	0	0.62940E-08	401456.9 3755482.3	43.0	3.49	4.00	1.62	YES	
L0004238	0	0.62940E-08	401465.5 3755482.6	42.9	3.49	4.00	1.62	YES	
L0004239	0	0.62940E-08	401474.0 3755483.7	42.8	3.49	4.00	1.62	YES	
L0004240	0	0.62940E-08	401482.5 3755484.7	42.7	3.49	4.00	1.62	YES	
L0004241	0	0.62940E-08	401491.0 3755485.8	42.8	3.49	4.00	1.62	YES	
L0004242	0	0.62940E-08	401499.6 3755486.9	42.9	3.49	4.00	1.62	YES	
L0004243	0	0.62940E-08	401508.1 3755487.9	42.9	3.49	4.00	1.62	YES	
L0004244	0	0.62940E-08	401516.6 3755489.0	43.0	3.49	4.00	1.62	YES	
L0004245	0	0.62940E-08	401525.2 3755489.3	43.0	3.49	4.00	1.62	YES	
L0004246	0	0.62940E-08	401533.8 3755489.5	43.1	3.49	4.00	1.62	YES	
L0004247	0	0.62940E-08	401542.4 3755489.7	43.1	3.49	4.00	1.62	YES	
L0004248	0	0.62940E-08	401551.0 3755489.9	43.2	3.49	4.00	1.62	YES	
L0004249	0	0.62940E-08	401559.5 3755490.2	43.3	3.49	4.00	1.62	YES	
L0004250	0	0.62940E-08	401568.1 3755490.4	43.5	3.49	4.00	1.62	YES	
L0004251	0	0.62940E-08	401576.7 3755490.6	43.7	3.49	4.00	1.62	YES	
L0004252	0	0.62940E-08	401585.3 3755490.8	43.8	3.49	4.00	1.62	YES	
L0004253	0	0.62940E-08	401593.9 3755491.0	43.9	3.49	4.00	1.62	YES	
L0004254	0	0.62940E-08	401602.5 3755491.3	44.0	3.49	4.00	1.62	YES	
L0004255	0	0.62940E-08	401611.1 3755491.5	44.2	3.49	4.00	1.62	YES	
L0004256	0	0.62940E-08	401619.6 3755491.7	44.2	3.49	4.00	1.62	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATH	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004257	0	0.62940E-08	401628.2	3755491.5	44.2	3.49	4.00	1.62	YES	
L0004258	0	0.62940E-08	401636.8	3755491.1	44.2	3.49	4.00	1.62	YES	
L0004259	0	0.62940E-08	401645.4	3755490.7	44.2	3.49	4.00	1.62	YES	
L0004260	0	0.62940E-08	401654.0	3755490.3	44.2	3.49	4.00	1.62	YES	
L0004261	0	0.62940E-08	401662.6	3755489.9	44.2	3.49	4.00	1.62	YES	
L0004262	0	0.62940E-08	401671.1	3755489.5	44.4	3.49	4.00	1.62	YES	
L0004263	0	0.62940E-08	401679.7	3755489.1	44.6	3.49	4.00	1.62	YES	
L0004264	0	0.62940E-08	401688.3	3755488.7	44.7	3.49	4.00	1.62	YES	
L0004265	0	0.62940E-08	401696.9	3755488.3	44.9	3.49	4.00	1.62	YES	
L0004266	0	0.62940E-08	401705.5	3755487.9	45.2	3.49	4.00	1.62	YES	
L0004267	0	0.62940E-08	401714.0	3755487.5	45.4	3.49	4.00	1.62	YES	
L0004268	0	0.62940E-08	401722.6	3755487.1	45.4	3.49	4.00	1.62	YES	
L0004269	0	0.62940E-08	401731.2	3755486.7	45.5	3.49	4.00	1.62	YES	
L0004270	0	0.62940E-08	401739.8	3755486.3	45.5	3.49	4.00	1.62	YES	
L0004271	0	0.62940E-08	401748.4	3755485.9	45.5	3.49	4.00	1.62	YES	
L0004272	0	0.62940E-08	401756.9	3755485.5	45.5	3.49	4.00	1.62	YES	
L0004273	0	0.62940E-08	401765.5	3755485.1	45.5	3.49	4.00	1.62	YES	

L0004274	0	0.62940E-08	401774.1 3755484.7	45.5	3.49	4.00	1.62	YES	
L0004275	0	0.62940E-08	401782.7 3755484.3	45.5	3.49	4.00	1.62	YES	
L0004276	0	0.62940E-08	401791.3 3755483.9	45.5	3.49	4.00	1.62	YES	
L0004277	0	0.62940E-08	401799.8 3755483.5	45.5	3.49	4.00	1.62	YES	
L0004278	0	0.62940E-08	401808.4 3755483.3	45.4	3.49	4.00	1.62	YES	
L0004279	0	0.62940E-08	401817.0 3755483.0	45.4	3.49	4.00	1.62	YES	
L0004280	0	0.62940E-08	401825.6 3755482.8	45.3	3.49	4.00	1.62	YES	
L0004281	0	0.62940E-08	401834.2 3755482.5	45.2	3.49	4.00	1.62	YES	
L0004282	0	0.62940E-08	401842.8 3755482.2	45.1	3.49	4.00	1.62	YES	
L0004283	0	0.62940E-08	401851.4 3755482.0	45.0	3.49	4.00	1.62	YES	
L0004284	0	0.62940E-08	401860.0 3755481.7	44.9	3.49	4.00	1.62	YES	
L0004285	0	0.62940E-08	401868.5 3755481.5	44.8	3.49	4.00	1.62	YES	
L0004286	0	0.62940E-08	401877.1 3755481.2	44.7	3.49	4.00	1.62	YES	
L0004287	0	0.62940E-08	401885.7 3755481.0	44.7	3.49	4.00	1.62	YES	
L0004288	0	0.62940E-08	401894.3 3755480.7	44.6	3.49	4.00	1.62	YES	
L0004289	0	0.62940E-08	401902.9 3755480.4	44.6	3.49	4.00	1.62	YES	
L0004290	0	0.62940E-08	401911.5 3755480.2	44.6	3.49	4.00	1.62	YES	
L0004291	0	0.62940E-08	401920.1 3755479.9	44.6	3.49	4.00	1.62	YES	
L0004292	0	0.62940E-08	401928.6 3755479.7	44.5	3.49	4.00	1.62	YES	
L0004293	0	0.62940E-08	401937.2 3755479.5	44.4	3.49	4.00	1.62	YES	
L0004294	0	0.62940E-08	401945.8 3755479.3	44.2	3.49	4.00	1.62	YES	
L0004295	0	0.62940E-08	401954.4 3755479.1	44.2	3.49	4.00	1.62	YES	
L0004296	0	0.62940E-08	401963.0 3755478.9	44.1	3.49	4.00	1.62	YES	
444 3ED350D	TIED GT ON	. 01110 444	*** C.\ T 1\ 7. EDMOD	77\ G		+ 14	\	1 14	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004297	0	0.62940E-08	401971.6	3755478.8	44.1	3.49	4.00	1.62	YES	
L0004298	0	0.62940E-08	401980.2	3755478.6	44.1	3.49	4.00	1.62	YES	
L0004299	0	0.62940E-08	401988.8	3755478.4	44.2	3.49	4.00	1.62	YES	
L0004300	0	0.62940E-08	401997.3	3755478.2	44.3	3.49	4.00	1.62	YES	
L0004301	0	0.62940E-08	402005.9	3755478.1	44.5	3.49	4.00	1.62	YES	
L0004302	0	0.62940E-08	402014.5	3755477.9	44.7	3.49	4.00	1.62	YES	
L0004303	0	0.62940E-08	402023.1	3755477.7	44.9	3.49	4.00	1.62	YES	
L0004304	0	0.62940E-08	402031.7	3755477.5	45.0	3.49	4.00	1.62	YES	
L0004305	0	0.62940E-08	402040.3	3755477.4	45.1	3.49	4.00	1.62	YES	
L0004306	0	0.62940E-08	402048.9	3755477.2	45.2	3.49	4.00	1.62	YES	
L0004307	0	0.62940E-08	402057.5	3755477.0	45.2	3.49	4.00	1.62	YES	
L0004308	0	0.62940E-08	402066.1	3755476.8	45.2	3.49	4.00	1.62	YES	
L0004309	0	0.62940E-08	402074.6	3755476.7	45.3	3.49	4.00	1.62	YES	
L0004310	0	0.62940E-08	402083.2	3755476.5	45.4	3.49	4.00	1.62	YES	

L0004311 0	0.62940E-08	402091.8 3755476.3	45.6	3.49	4.00	1.62	YES
L0004312 0	0.62940E-08	402100.4 3755476.1	45.7	3.49	4.00	1.62	YES
L0004313 0	0.62940E-08	402109.0 3755476.0	45.8	3.49	4.00	1.62	YES
L0004314 0	0.62940E-08	402117.6 3755475.8	45.9	3.49	4.00	1.62	YES
L0004315 0	0.62940E-08	402126.2 3755475.6	46.0	3.49	4.00	1.62	YES
L0004316 0	0.62940E-08	402134.8 3755475.4	46.2	3.49	4.00	1.62	YES
L0004317 0	0.62940E-08	402143.3 3755475.2	46.4	3.49	4.00	1.62	YES
L0004318 0	0.62940E-08	402151.9 3755474.9	46.5	3.49	4.00	1.62	YES
L0004319 0	0.62940E-08	402160.5 3755474.6	46.6	3.49	4.00	1.62	YES
L0004320 0	0.62940E-08	402169.1 3755474.3	46.8	3.49	4.00	1.62	YES
L0004321 0	0.62940E-08	402177.7 3755474.0	46.9	3.49	4.00	1.62	YES
L0004322 0	0.62940E-08	402186.3 3755473.7	47.0	3.49	4.00	1.62	YES
L0004323 0	0.62940E-08	402194.9 3755473.4	47.1	3.49	4.00	1.62	YES
L0004324 0	0.62940E-08	402203.4 3755473.2	47.3	3.49	4.00	1.62	YES
L0004325 0	0.62940E-08	402212.0 3755472.9	47.4	3.49	4.00	1.62	YES
L0004326 0	0.62940E-08	402220.6 3755472.6	47.5	3.49	4.00	1.62	YES
L0004327 0	0.62940E-08	402229.2 3755472.3	47.6	3.49	4.00	1.62	YES
L0004328 0	0.62940E-08	402237.8 3755472.0	47.6	3.49	4.00	1.62	YES
L0004329 0	0.62940E-08	402246.4 3755471.7	47.6	3.49	4.00	1.62	YES
L0004330 0	0.62940E-08	402255.0 3755471.5	47.6	3.49	4.00	1.62	YES
L0004331 0	0.62940E-08	402263.5 3755471.2	47.7	3.49	4.00	1.62	YES
L0004332 0	0.62940E-08	402272.1 3755470.9	47.7	3.49	4.00	1.62	YES
L0004333 0	0.62940E-08	402280.7 3755470.6	47.7	3.49	4.00	1.62	YES
L0004334 0	0.62940E-08	402289.3 3755470.3	47.7	3.49	4.00	1.62	YES
L0004335 0	0.62940E-08	402297.9 3755470.0	47.7	3.49	4.00	1.62	YES
L0004336 0	0.62940E-08	402306.5 3755469.9	47.7	3.49	4.00	1.62	YES
*** AERMOD - VERSION	21112 ***	*** C:\Lakes\AERMOD \	/iew\Green	nstone 1st	: 14 year:	s\Greenst	one 1st 14 years ***
*** AERMET - VERSION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 202	25 through	h 2038	* * *

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004337	0	0.62940E-08	402315.1	3755469.7	47.8	3.49	4.00	1.62	YES	
L0004338	0	0.62940E-08	402323.6	3755469.6	47.8	3.49	4.00	1.62	YES	
L0004339	0	0.62940E-08	402332.2	3755469.5	47.8	3.49	4.00	1.62	YES	
L0004340	0	0.62940E-08	402340.8	3755469.4	47.9	3.49	4.00	1.62	YES	
L0004341	0	0.62940E-08	402349.4	3755469.2	47.9	3.49	4.00	1.62	YES	
L0004342	0	0.62940E-08	402358.0	3755469.1	47.9	3.49	4.00	1.62	YES	
L0004343	0	0.62940E-08	402366.6	3755469.0	48.0	3.49	4.00	1.62	YES	
L0004344	0	0.62940E-08	402375.2	3755468.8	48.0	3.49	4.00	1.62	YES	
L0004345	0	0.62940E-08	402383.8	3755468.7	48.0	3.49	4.00	1.62	YES	
L0004346	0	0.62940E-08	402392.4	3755468.6	48.1	3.49	4.00	1.62	YES	
L0004347	0	0.62940E-08	402400.9	3755468.5	48.1	3.49	4.00	1.62	YES	

L0004348	0	0.62940E-08	402409.5 3755468.4	48.2	3.49	4.00	1.62	YES	
L0001310	0	0.62940E-08	402418.1 3755468.3	48.2	3.49	4.00	1.62	YES	
L0004350	0	0.62940E-08	402426.7 3755468.2	48.3	3.49	4.00	1.62	YES	
L0004351	0	0.62940E-08	402435.3 3755468.1	48.3	3.49	4.00	1.62	YES	
L0004352	0	0.62940E-08	402443.9 3755467.9	48.4	3.49	4.00	1.62	YES	
L0004353	0	0.62940E-08	402452.5 3755467.8	48.5	3.49	4.00	1.62	YES	
L0004354	0	0.62940E-08	402461.1 3755467.7	48.5	3.49	4.00	1.62	YES	
L0004355	0	0.62940E-08	402469.7 3755467.5	48.5	3.49	4.00	1.62	YES	
L0004356	0	0.62940E-08	402478.2 3755467.6	48.5	3.49	4.00	1.62	YES	
L0004357	0	0.62940E-08	402486.7 3755469.1	48.5	3.49	4.00	1.62	YES	
L0004358	0	0.62940E-08	402495.2 3755470.6	48.6	3.49	4.00	1.62	YES	
L0004359	0	0.62940E-08	402503.6 3755472.0	48.7	3.49	4.00	1.62	YES	
L0004360	0	0.62940E-08	402512.1 3755473.5	48.8	3.49	4.00	1.62	YES	
L0004361	0	0.62940E-08	402520.5 3755475.1	48.8	3.49	4.00	1.62	YES	
L0004362	0	0.62940E-08	402529.0 3755476.6	48.9	3.49	4.00	1.62	YES	
L0004363	0	0.62940E-08	402537.4 3755478.2	48.9	3.49	4.00	1.62	YES	
L0004364	0	0.62940E-08	402545.9 3755479.7	49.0	3.49	4.00	1.62	YES	
L0004365	0	0.62940E-08	402554.2 3755481.8	48.9	3.49	4.00	1.62	YES	
L0004366	0	0.62940E-08	402562.6 3755483.8	48.9	3.49	4.00	1.62	YES	
L0004367	0	0.62940E-08	402570.9 3755485.8	48.9	3.49	4.00	1.62	YES	
L0004368	0	0.62940E-08	402579.3 3755487.8	48.9	3.49	4.00	1.62	YES	
L0004369	0	0.62940E-08	402587.6 3755489.8	48.9	3.49	4.00	1.62	YES	
L0004370	0	0.62940E-08	402596.0 3755491.7	48.9	3.49	4.00	1.62	YES	
L0004371	0	0.62940E-08	402604.4 3755493.5	48.9	3.49	4.00	1.62	YES	
L0004372	0	0.62940E-08	402612.8 3755495.3	48.9	3.49	4.00	1.62	YES	
L0004373	0	0.62940E-08	402621.2 3755497.1	48.9	3.49	4.00	1.62	YES	
L0004374	0	0.62940E-08	402629.6 3755498.9	48.9	3.49	4.00	1.62	YES	
L0004375	0	0.62940E-08	402638.0 3755500.6	48.9	3.49	4.00	1.62	YES	
L0004376	0	0.62940E-08	402646.4 3755502.4	49.0	3.49	4.00	1.62	YES	

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	E X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0004377	0	0.62940E-08	402654.8	3755504.0	49.1	3.49	4.00	1.62	YES		
L0004378	0	0.62940E-08	402663.4	3755504.8	49.2	3.49	4.00	1.62	YES		
L0004379	0	0.62940E-08	402672.0	3755505.6	49.3	3.49	4.00	1.62	YES		
L0004380	0	0.62940E-08	402680.5	3755506.4	49.4	3.49	4.00	1.62	YES		
L0004381	0	0.62940E-08	402689.1	3755507.2	49.5	3.49	4.00	1.62	YES		
L0004382	0	0.62940E-08	402697.6	3755508.0	49.5	3.49	4.00	1.62	YES		
L0004383	0	0.62940E-08	402706.2	3755508.8	49.5	3.49	4.00	1.62	YES		
L0004384	0	0.62940E-08	402714.7	3755509.6	49.5	3.49	4.00	1.62	YES		

L0004385	0	0.62940E-08	402723.3	3755510.0	49.5	3.49	4.00	1.62	YES
L0004386	0	0.62940E-08	402731.9	3755510.1	49.5	3.49	4.00	1.62	YES
L0004387	0	0.62940E-08	402740.5	3755510.2	49.6	3.49	4.00	1.62	YES
L0004388	0	0.62940E-08	402749.1	3755510.3	49.6	3.49	4.00	1.62	YES
L0004389	0	0.62940E-08	402757.6	3755510.4	49.7	3.49	4.00	1.62	YES
L0004390	0	0.62940E-08	402766.2	3755510.5	49.7	3.49	4.00	1.62	YES
L0004391	0	0.62940E-08	402774.8	3755510.5	49.8	3.49	4.00	1.62	YES
L0004392	0	0.62940E-08	402783.4	3755510.5	49.9	3.49	4.00	1.62	YES
L0004393	0	0.62940E-08	402792.0	3755510.5	49.9	3.49	4.00	1.62	YES
L0004394	0	0.62940E-08	402800.6	3755510.5	50.0	3.49	4.00	1.62	YES
L0004395	0	0.62940E-08	402809.2	3755510.5	50.0	3.49	4.00	1.62	YES
L0004396	0	0.62940E-08	402817.8	3755510.5	50.1	3.49	4.00	1.62	YES
L0004397	0	0.62940E-08	402826.4	3755510.5	50.1	3.49	4.00	1.62	YES
L0004398	0	0.62940E-08	402835.0	3755510.5	50.1	3.49	4.00	1.62	YES
L0004399	0	0.62940E-08	402843.5	3755510.6	50.1	3.49	4.00	1.62	YES
L0004400	0	0.62940E-08	402852.1	3755510.8	50.2	3.49	4.00	1.62	YES
L0004401	0	0.62940E-08	402860.7	3755511.0	50.3	3.49	4.00	1.62	YES
L0004402	0	0.62940E-08	402869.3	3755511.2	50.4	3.49	4.00	1.62	YES
L0004403	0	0.62940E-08	402877.9	3755511.5	50.5	3.49	4.00	1.62	YES
L0004404	0	0.62940E-08	402886.5	3755511.7	50.5	3.49	4.00	1.62	YES
L0004405	0	0.62940E-08	402895.1	3755511.9	50.5	3.49	4.00	1.62	YES
L0004406	0	0.62940E-08	402903.7	3755512.1	50.5	3.49	4.00	1.62	YES
L0004407	0	0.62940E-08	402912.2	3755512.4	50.5	3.49	4.00	1.62	YES
L0004408	0	0.62940E-08	402920.8	3755512.7	50.5	3.49	4.00	1.62	YES
L0004409	0	0.62940E-08	402929.4	3755513.0	50.5	3.49	4.00	1.62	YES
L0004410	0	0.62940E-08	402938.0	3755513.3	50.6	3.49	4.00	1.62	YES
L0004411	0	0.62940E-08	402946.6	3755513.7	50.6	3.49	4.00	1.62	YES
L0004412	0	0.62940E-08	402955.2	3755514.2	50.6	3.49	4.00	1.62	YES
L0004413	0	0.62940E-08	402963.7	3755514.8	50.6	3.49	4.00	1.62	YES
L0004414	0	0.62940E-08	402972.3	3755515.3	50.6	3.49	4.00	1.62	YES
L0004415	0	0.62940E-08	402980.9	3755515.9	50.7	3.49	4.00	1.62	YES
L0004416	0	0.62940E-08	402989.4	3755516.4	50.7	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004417	0	0.62940E-08	402998.0	3755517.4	50.7	3.49	4.00	1.62	YES	
L0004418	0	0.62940E-08	403006.4	3755518.8	50.7	3.49	4.00	1.62	YES	
L0004419	0	0.62940E-08	403014.9	3755520.2	50.7	3.49	4.00	1.62	YES	
L0004420	0	0.62940E-08	403023.4	3755521.5	50.8	3.49	4.00	1.62	YES	
L0004421	0	0.62940E-08	403031.9	3755522.9	50.8	3.49	4.00	1.62	YES	

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L0004422
                     0.62940E-08 403040.4 3755524.2
                                                          50.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004423
                 0
                     0.62940E-08
                                   403048.8 3755525.6
                                                          50.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004424
                 0
                     0.62940E-08
                                   403057.3 3755527.0
                                                          50.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004425
                 Ω
                     0.62940E-08
                                   403065.7 3755528.7
                                                          50.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004426
                     0.62940E-08
                                   403074.1 3755530.6
                                                          50.7
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.62940E-08
                                   403082.5 3755532.6
                                                                                               YES
L0004427
                 0
                                                          50.8
                                                                   3.49
                                                                            4.00
                                                                                     1.62
L0004428
                 0
                     0.62940E-08
                                   403090.8 3755534.5
                                                          50.9
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
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                                                                   3.49
L0004429
                     0.62940E-08
                                   403099.2 3755536.4
                                                          51.0
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004430
                 0
                     0.62940E-08
                                   403107.6 3755538.4
                                                          51.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004431
                 0
                     0.62940E-08
                                  403115.8 3755540.8
                                                          51.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004432
                 0
                     0.62940E-08
                                   403124.1 3755543.1
                                                          51.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.62940E-08
                                   403132.4 3755545.5
L0004433
                 0
                                                          51.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004434
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                     0.62940E-08
                                  403140.6 3755547.9
                                                          51.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004435
                 0
                     0.62940E-08
                                  403148.9 3755550.2
                                                          51.4
                                                                   3.49
                                                                                     1.62
                                                                            4.00
                                                                                               YES
                     0.62940E-08
                                  403157.1 3755552.6
L0004436
                 0
                                                          51.5
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                                                                   3.49
L0004437
                 0
                     0.62940E-08
                                   403165.4 3755554.9
                                                          51.5
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004438
                 Ω
                     0.62940E-08 403173.7 3755557.2
                                                         51.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004439
                     0.62940E-08 403182.0 3755559.4
                                                          51.4
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                     0.62940E-08
                                  403190.3 3755561.6
                                                          51.3
L0004440
                 0
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004441
                 0
                     0.62940E-08
                                   403198.6 3755563.8
                                                          51.3
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004442
                 0
                     0.62940E-08
                                   403206.9 3755566.0
                                                         51.2
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
                 0
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                                                          51.2
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L0004443
L0004444
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                                                          51.1
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                                                                                     1.62
                                                                                               YES
L0004445
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                                                                   3.49
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                                                                                     1.62
                                                                                               YES
                                   403240.1 3755574.8
L0004446
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                                                                   3.49
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                                                                                     1.62
                                                                                               YES
L0004447
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                     0.62940E-08
                                   403248.4 3755577.0
                                                         50.4
                                                                   3.49
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                                                                                     1.62
                                                                                               YES
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                                   403256.7 3755579.2
L0004448
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                                                                                     1.62
                                                                                               YES
                                   403265.0 3755581.4
L0004449
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                     0.62940E-08
                                                          50.1
                                                                   3.49
                                                                            4.00
                                                                                     1.62
                                                                                               YES
L0004450
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                     0.62940E-08
                                   403273.3 3755583.6
                                                          50.0
                                                                   3.49
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                                                                                     1.62
                                                                                               YES
L0004451
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                     0.62940E-08 403281.6 3755585.8
                                                          49.9
                                                                   3.49
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                                                                                     1.62
                                                                                               YES
*** AERMOD - VERSION 21112 ***
                                  *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years ***
                                                                                                                          01/20/22
*** AERMET - VERSION 16216 ***
                                  *** 19471 Greenstone DPM Conc Years 2025 through 2038
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                                                                                                                          PAGE 26
*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ U*
                                           *** SOURCE IDS DEFINING SOURCE GROUPS ***
SRCGROUP ID
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*** AERMOD - VERSION 21112 ***
                                  *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years ***
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*** AERMET - VERSION 16216 ***
                                  *** 19471 Greenstone DPM Conc Years 2025 through 2038
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                                                                                                                          PAGE 37
*** MODELOPTs:
                  RegDFAULT CONC ELEV URBAN ADJ_U*
                                          *** SOURCE IDS DEFINED AS URBAN SOURCES ***
URBAN ID
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                                                           SOURCE IDs
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

SOURCE	ID: ST	CK1									
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.5,	225.2,	132.3,	-156.0,	114.5,
3	12.5,	217.2,	162.7,	-189.7,	98.0,	4	12.5,	203.8,	188.1,	-217.6,	77.8,
5	12.5,	184.5,	207.8,	-239.0,	55.2,	6	12.5,	159.7,	221.2,	-253.0,	30.8,
7	12.5,	130.2,	227.9,	-259.4,	5.5,	8	12.5,	98.3,	228.2,	-257.9,	-19.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.5,	225.2,	132.3,	23.7,	-114.5,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,

35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,
CUIDUE	ID: ST	יכעט									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	0.0,		0.0,	0.0,	0.0,	2	0.0,		0.0,	0.0,	0.0,
3	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
5	0.0,		0.0,	0.0,	0.0,	6	0.0,		0.0,	0.0,	0.0,
7	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.5,	98.5,		-254.8,	13.1,
11	12.5,	132.3,		-254.5,	-12.0,	12	12.5,	162.7,		-234.0,	-36.4,
13	12.5,	188.1,		-232.1,	-59.8,	14	12.5,	207.8,		-210.1,	-81.3,
15	12.5,	221.2,		-232.1,		16	12.5,	207.8,		-147.8,	
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,		0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
25 27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29			0.0,	0.0,	0.0,				0.0,	0.0,	0.0,
31	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,	30 32	0.0, 0.0,	0.0, 0.0,	0.0,	0.0,	0.0,
33	12.5,	221.2,	159.7,	22.0,	100.4,	34	12.5,		130.2,	17.6,	116.4,
35 35	0.0,	0.0,	0.0,	0.0,	0.0,	3 4 36	0.0,			0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
SOURCE	ID: ST	ירא3									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,	227.0,		-67.5,	-34.7,	2	12.5,	225.2,		-78.4,	-36.9,
3	12.5,	217.2,	162.7,	-87.0,	-37.7,	4	12.5,	203.8,	188.1,		-37.9,
5	12.5,	184.5,	207.8,	-96.1,	-37.2,	6	12.5,	159.7,	221.2,		-35.3,
7	12.5,	130.2,	227.9,	-93.5,	-32.4,	8	12.5,	98.3,	228.2,		-28.3,
9	12.5,	64.0,	222.9,	-80.2,	-23.1,	10	12.5,	98.5,	227.0,		-18.2,
11	12.5,	132.3,	225.2,		-12.3,	12	12.5,	162.7,	217.2,		-5.7,
13	12.5,	188.1,	203.8,	,	1.1,	14	12.5,	207.8,	184.5,	,	7.8,
15	12.5,	221.2,		-44.5,	14.3,	16	12.5,		130.2,		20.4,
17	12.5,	228.2,	98.3,	-20.8,	26.1,	18	12.5,		64.0,		31.3,
19	12.5,			-31.0,	34.7,	20	12.5,	225.2,	132.3,		36.9,
21	12.5,	217.2,	162.7,	-75.6,	37.7,	22	12.5,	203.8,	188.1,		37.9,
23	12.5,	184.5,		-111.7,	37.2,	24	12.5,	159.7,		-124.9,	35.3,
25	12.5,	130.2,		-134.3,	32.4,	26	12.5,	98.3,		-140.2,	28.3,
27	12.5,	64.0,		-142.7,	23.1,	28	12.5,	98.5,		-148.2,	18.2,
29	12.5,	132.3,		-149.5,	12.3,	30	12.5,	162.7,		-146.3,	5.7,
31	12.5,	188.1,		-139.8,	-1.1,	32	12.5,		184.5,		-7.8,
33	12.5,			-115.2,	-14.3,	34	12.5,			-97.5,	-20.4,
35	12.5,			-77.5,	-26.1,	36	12.5,			-55.1,	-31.2,
55	-2.5,	220.2,	,,,,	, , ,	20.1,	33	12.5,	222.7,	01.0,	33.1,	51.21
SOURCE	ID: ST	CK4									
IFV	BH	BW	BL	XADJ	YADJ	IFV	ВН	BW	BL	XADJ	YADJ
1	12.5,		98.5,		-1.9,	2	12.5,			-90.0,	-5.6,
3		217.2,			-8.9,	4	12.5,			-114.5,	-12.4,
-	/	,	,	,	/		,		/	/	/

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12.5, 184.5, 207.8, -121.7, -15.8,
                                           6 12.5, 159.7, 221.2, -125.2, -18.7,
     12.5, 130.2, 227.9, -125.0, -21.2,
                                                      98.3, 228.2, -120.9, -22.7,
                                           8
                                               12.5.
     12.5, 64.0, 222.9, -113.6, -23.2,
                                           10
                                               12.5.
                                                      98.5, 227.0, -111.6, -24.2,
 11
     12.5, 132.3, 225.2, -107.0, -23.8,
                                           12
                                               12.5, 162.7, 217.2, -99.8, -22.5,
     12.5, 188.1, 203.8, -89.5, -20.5,
                                           14
                                               12.5, 207.8, 184.5, -76.4, -17.8,
     12.5, 221.2, 159.7, -61.1,
                                               12.5, 227.9, 130.2, -43.9, -11.0,
 15
                                 -14.7,
                                           16
 17
     12.5, 228.2,
                   98.3, -26.4,
                                  -6.8,
                                           18
                                               12.5, 222.9, 64.0,
                                                                   -8.8,
                                                                           -2.1,
 19
     12.5, 227.0,
                  98.5, -25.1,
                                  1.9,
                                           20
                                               12.5, 225.2, 132.3, -42.3,
                                                                            5.6,
     12.5, 217.2, 162.7, -58.8,
                                   8.9,
                                           22
                                               12.5, 203.8, 188.1, -73.6,
 23
     12.5, 184.5, 207.8, -86.1,
                                  15.8,
                                           24
                                               12.5, 159.7, 221.2, -95.9,
                                                                           18.7,
 25
     12.5, 130.2, 227.9, -102.9,
                                  21.2,
                                           26
                                               12.5, 98.3, 228.2, -107.3,
                                                                            22.7,
                                  23.2,
 27
     12.5, 64.0, 222.9, -109.3,
                                           28
                                               12.5.
                                                     98.5, 227.0, -115.4,
                                                                           24.2.
 29
     12.5, 132.3, 225.2, -118.2,
                                           30
                                               12.5, 162.7, 217.2, -117.5,
                                  23.8,
                                                                           22.5,
                                               12.5, 207.8, 184.5, -108.1,
     12.5, 188.1, 203.8, -114.3,
                                  20.5,
                                           32
                                                                           17.8,
     12.5, 221.2, 159.7, -98.6,
                                               12.5, 227.9, 130.2, -86.2,
                                  14.7,
                                           34
                                                                           11.0,
 35
     12.5, 228.2, 98.3, -71.8,
                                   6.8,
                                           36
                                               12.5, 222.9, 64.0, -55.2,
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*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ U*
                                    *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
SOURCE ID: STCK5
IFV
      BH
             BW
                     BL
                           XADJ
                                  YADJ
                                          TFV
                                                BH
                                                       BW
                                                              BL
                                                                    XADJ
                                                                            YADJ
     12.5, 227.0,
                   98.5, -78.4,
                                            2
                                               12.5,
                                                     225.2, 132.3, -99.8,
                                  26.3,
                                                                            21.3,
     12.5, 217.2, 162.7, -118.1,
                                 15.9,
                                            4
                                               12.5, 203.8, 188.1, -132.9,
                                                                            9.5,
                                               12.5, 159.7, 221.2, -150.0,
     12.5, 184.5, 207.8, -143.7,
                                  2.6,
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                                                                           -4.4,
     12.5, 130.2, 227.9, -151.9, -11.4,
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                                               12.5, 98.3, 228.2, -149.1, -17.7,
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                                -23.2,
                                           10
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                                                      98.5, 227.0, -139.8, -29.1,
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                                           12
                                               12.5, 162.7, 217.2, -124.5,
                                -33.6,
                                                                          -36.8,
     12.5, 188.1, 203.8, -111.4, -38.9,
                                          14
                                               12.5, 207.8, 184.5, -94.8, -39.8,
 13
 15
     12.5, 221.2, 159.7, -75.4, -39.4,
                                           16
                                               12.5, 227.9, 130.2, -53.7, -37.9,
 17
     12.5, 228.2, 98.3, -31.4, -34.9,
                                           18
                                               12.5, 222.9, 64.0, -8.8, -30.7,
     12.5, 227.0,
                  98.5, -20.1,
                                           20
                                               12.5, 225.2, 132.3, -32.5, -21.3,
 19
                                -26.3,
 21
     12.5, 217.2, 162.7, -44.5,
                                -15.9,
                                           22
                                               12.5, 203.8, 188.1, -55.2,
                                                                           -9.5,
 23
     12.5, 184.5, 207.8, -64.1,
                                  -2.6,
                                           24
                                               12.5, 159.7, 221.2, -71.1,
     12.5, 130.2, 227.9, -76.0,
                                           26
                                               12.5, 98.3, 228.2, -79.1,
                                  11.4,
                                                                           17.7.
     12.5, 64.0, 222.9, -80.7,
                                                      98.5, 227.0, -87.2,
 27
                                  23.2,
                                           28
                                               12.5,
                                                                            29.1,
 29
     12.5, 132.3, 225.2, -91.3,
                                  33.6,
                                           30
                                               12.5, 162.7, 217.2, -92.7,
                                                                            36.8,
 31
     12.5, 188.1, 203.8, -92.4,
                                  38.9,
                                           32
                                              12.5, 207.8, 184.5, -89.7,
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     12.5, 221.2, 159.7, -84.3,
                                  39.4,
                                           34
                                              12.5, 227.9, 130.2, -76.5,
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    12.5, 228.2, 98.3, -66.8,
                                  34.9,
                                           36
                                              12.5, 222.9, 64.0, -55.2,
                                                                           30.7,
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID *** (METERS)

400817.6, 400942.7, 401067.7, 401192.8, 401317.8, 401442.9, 401567.9, 401693.0, 401818.0, 401943.1, 402068.1, 402193.2, 402318.2, 402443.3, 402568.3, 402693.4, 402818.4, 402943.5, 403068.5, 403193.6, 403318.6.

*** Y-COORDINATES OF GRID *** (METERS)

3753433.1, 3753541.7, 3753650.4, 3753759.0, 3753867.7, 3753976.3, 3754084.9, 3754193.6, 3754302.2, 3754410.9, 3754519.5, 3754628.1, 3754736.8, 3754845.4, 3754954.1, 3755062.7, 3755171.3, 3755280.0, 3755388.6, 3755497.3, 3755605.9,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	43.50
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40
3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20

3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753541.74	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
*** AERMOD - '	VERSION 21112 ***	*** C:\Lak	es\AERMOD Vie	w\Greenstone :	lst 14 years\	Greenstone 1s	t 14 years ***	01/2	0/22
*** AERMET - '	VERSION 16216 ***	*** 19471	Greenstone DP	M Conc Years	2025 through	2038	***	17:3	1:46

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01/20/22

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90
3755497.26	41.20	44.50	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	41.00	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	42.20	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	34.30
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD X-COORD (METERS) 403068.53 403193.58 403318.63

3755605.90	51.00	51.50	49.30
3755497.26	50.80	53.00	50.90
3755388.62	50.50	52.10	53.70
3755279.98	50.00	51.40	52.90
3755171.34	49.90	51.10	52.30
3755062.70	49.70	51.00	52.60
3754954.06	50.10	51.30	52.70
3754845.42	50.20	51.00	51.80
3754736.78	50.00	51.00	51.50
3754628.14	49.40	50.10	49.00
3754519.50	48.30	49.40	49.70
3754410.86	47.70	49.30	48.50
3754302.22	47.10	48.30	48.20
3754193.58	47.20	46.80	47.90
3754084.94	45.80	46.10	46.50
3753976.30	45.40	45.00	44.20
3753867.66	44.50	43.40	40.00
3753759.02	42.60	39.70	37.90
3753650.38	37.40	35.20	35.40
3753541.74	32.10	32.70	32.40
3753433.10	30.20	30.00	30.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	46.70
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40

3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20
3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753541.74	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90
3755497.26	47.00	48.20	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	49.10	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	49.10	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	39.00
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	2			,		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD (METERS)	403068.53	403193.58	403318.63	X-COO	RD (METERS)				
3755605.90		51.50	49.30						
3755497.26	50.80	53.00	50.90						
3755388.62	50.50	52.10	53.70						
3755279.98	50.00	51.40	52.90						
3755171.34	49.90	51.10	52.30						
3755062.70	49.70	51.00	52.60						
3754954.06	50.10	51.30	52.70						
3754845.42	50.20	51.00	51.80						
3754736.78	50.00	51.00	51.50						
3754628.14	49.40	50.10	49.00						
3754519.50	48.30	49.40	49.70						
3754410.86	47.70	49.30	48.50						
3754302.22	47.10	48.30	48.20						
3754193.58	47.20	46.80	47.90						
3754084.94	45.80	46.10	46.50						
3753976.30	45.40	45.00	44.20						
3753867.66	44.50	43.40	40.00						
3753759.02	42.60	39.70	37.90						
3753650.38	37.40	35.20	35.40						
3753541.74	32.10	32.70	32.40						
3753433.10		30.00	30.30						
*** AERMOD -	VERSION 21112 *	** *** C:\I	akes\AERMOD	View\Greenst	one 1st 14 year	rs\Greenstone	1st 14 year	s ***	01/20/22
*** AERMET -	VERSION 16216 *	** *** 1947	1 Greenstone	DPM Conc Ye	ars 2025 throu	gh 2038	_	***	17:31:46
									PAGE 47
*** MODELOPTS	RegDFAULT	CONC ELEV U	RBAN ADJ_U*						
			*** DISCRE	TE CARTESIAN	RECEPTORS ***				
			(X-COORD, Y-		, ZHILL, ZFLAG)			
				(METERS)					
	3, 3754416.6,	38.5,	38.5,	0.0);		3754478.1,			0.0);
	7, 3754639.0,	41.4,	41.4,	0.0);	(401600.9,	3754832.1,	43.1,	43.1,	0.0);
•	0, 3/54624.0,	40.8,			(402490.3,	3754733.3,	47.6,		0.0);
(402487.	6, 3753865.1,	42.2,	42.2,	0.0);	(403257.8,	3755558.4,	50.9,	50.9,	0.0);
444 355105			1 \ 1 = = 1 (0 = 1	' \ ~ .	1 . 14	١		ate ate ate	01 /00 /00
	VERSION 21112 *				_		ist 14 year	S ***	01/20/22
*** AERMET -	VERSION 16216 *	** *** 1947	'I Greenstone	DPM Conc Ye	ars 2025 throu	gh 2038		***	17:31:46
444 MODEL :		aa							PAGE 48
*** MODELOPTs	RegDFAULT	CONC ELEV U	RBAN ADJ_U*						
	* 00ID0	DECEDEOD COM	IDINATIONO TO	ם שוודמיי מזימ	יי איי אור אור אור אוד		* T		
	" SOURCE	- VECERIOK COM	DINALIUNS FU		ULATIONS MAY N		 תק		

SOURCE - - RECEPTOR LOCATION - - DISTANCE
ID XR (METERS) YR (METERS) (METERS)

LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

L0003613 402193.2 3754736.8 -2.45 L0003626 402193.2 3754845.4 0.36 L0003734 402193.2 3754519.5 -2.03 402193.2 -2.10 L0003735 3754519.5 L0003747 402193.2 3754410.9 -3.17 L0003748 402193.2 3754410.9 0.37 L0003759 402193.2 3754302.2 0.27 L0003760 402193.2 3754302.2 -2.74 L0003772 402193.2 3754193.6 -1.52 L0003773 402193.2 3754193.6 -1.00 L0003785 402193.2 3754084.9 -2.26 L0003797 402193.2 3753976.3 0.60 -1.62 L0003798 402193.2 3753976.3 L0004250 401567.9 3755497.3 -1.72*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years 01/20/22 17:31:46 PAGE 49 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U* *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE. *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC) 1.54, 3.09, 5.14, 8.23, 10.80, *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years 01/20/22 17:31:46 PAGE 50 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ U*

Met Version: 16216

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC

Profile file: E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL

Surface format: FREE Profile format: FREE

Surface station no.: 3166 Upper air station no.: 3190

Name: UNKNOWN Year: 2010 Year: 2010

=' . 04	,															
First 24			r data	T.T 4		DT CNTT	D T M CI I	M O TEM	₁₇ 0	DOMEN	AT DEDO	DEE MO	T-ID	TIM	DDD 003	1100
YR MO DY		H0	0 ^	W ^	D1/DZ	ZICNV	ZIMCH	M-O LEN	20	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
10 01 01			0.384	-9.000	-9.000	-999.	572.	162.4	0.34	0.73	1.00	3.10	321.	9.1	283.8	5.5
10 01 01	1 02	-33.5	0.333	-9.000	-9.000	-999.	462.	121.8	0.34	0.73	1.00	2.70	217.	9.1	282.5	5.5
10 01 01	1 03	-21.9	0.218	-9.000	-9.000	-999.	251.	52.2	0.34	0.73	1.00	1.80	290.	9.1	282.5	5.5
10 01 01	1 04	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	255.	9.1	282.0	5.5
10 01 01	1 05	-21.9	0.218	-9.000	-9.000	-999.	245.	52.2	0.34	0.73	1.00	1.80	234.	9.1	282.0	5.5
10 01 01	1 06	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	258.	9.1	282.0	5.5
10 01 01	1 07	-27.2	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	213.	9.1	281.4	5.5
10 01 01	1 08	-22.6	0.335	-9.000	-9.000	-999.	466.	151.7	0.34	0.73	0.54	2.70	215.	9.1	282.0	5.5
10 01 01	1 09	26.9	0.249	0.347	0.008	56.	302.	-51.9	0.34	0.73	0.32	1.80	199.	9.1	284.2	5.5
10 01 01	1 10	65.3	0.365	0.593	0.008	116.	529.	-67.5	0.34	0.73	0.24	2.70	117.	9.1	288.1	5.5
10 01 01	1 11	94.5	0.374	0.933	0.008	311.	550.	-50.3	0.34	0.73	0.21	2.70	243.	9.1	290.4	5.5
10 01 01	1 12	103.9	0.279	1.087	0.008	448.	359.	-19.0	0.34	0.73	0.20	1.80	130.	9.1	293.1	5.5
10 01 01	1 13	83.7	0.273	1.073	0.008	533.	343.	-22.0	0.34	0.73	0.20	1.80	282.	9.1	294.9	5.5
10 01 01	1 14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73	0.21	1.30	290.	9.1	295.9	5.5
10 01 01	1 15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73	0.25	1.30	192.	9.1	294.9	5.5
10 01 01	1 16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73	0.33	1.30	218.	9.1	293.8	5.5
10 01 01	1 17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73	0.60	1.30	255.	9.1	292.0	5.5
10 01 01	1 18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73	1.00	0.90	129.	9.1	289.2	5.5
10 01 01	1 19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73	1.00	1.30	264.	9.1	287.5	5.5
10 01 01	1 20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73	1.00	1.30	25.	9.1	287.0	5.5
10 01 01	1 21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	343.	9.1	285.9	5.5
10 01 01	1 22	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	332.	9.1	284.9	5.5
10 01 01	1 23	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	178.	9.1	284.2	5.5
10 01 01	1 24	-11.8	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	0.73	1.00	1.30	28.	9.1	283.1	5.5

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 283.8 99.0 -99.00 -99.00
10 01 01 01 9.1 1 321. 3.10 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** THE PERIOD (43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4 , STCK5

L0003537 , L0003538 , L0003539 , L0003540 , L0003541 , L0003542 , L0003543 , L0003544

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L0003545
                           , L0003546
                                         , L0003547
                                                       , L0003548
                                                                     , L0003549
                                                                                   , L0003550
                                                                                                 , L0003551
                                                                                                               , L0003552
               L0003553
                           , L0003554
                                                       , L0003556
                                                                     , L0003557
                                         , L0003555
                                                                                   , L0003558
                                                                                                 , L0003559
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
  (METERS)
                  400817.63
                              400942.68
                                           401067.73
                                                                     401317.83
                                                                                  401442.88
                                                                                               401567.93
                                                                                                            401692.98
                                                                                                                         401818.03
                                                        401192.78
3755605.90
                   0.00002
                                0.00003
                                             0.00003
                                                          0.00004
                                                                       0.00004
                                                                                    0.00005
                                                                                                 0.00005
                                                                                                             0.00006
                                                                                                                           0.00006
3755497.26
                   0.00004
                                0.00009
                                             0.00010
                                                          0.00010
                                                                       0.00011
                                                                                    0.00011
                                                                                                 0.00013
                                                                                                             0.00016
                                                                                                                           0.00014
                   0.00003
                                0.00004
                                             0.00004
                                                          0.00005
                                                                       0.00005
                                                                                    0.00006
                                                                                                 0.00007
                                                                                                             0.00009
                                                                                                                           0.00010
3755388.62
3755279.98
                   0.00003
                                0.00003
                                             0.00004
                                                          0.00004
                                                                       0.00005
                                                                                    0.00006
                                                                                                 0.00007
                                                                                                             0.00010
                                                                                                                           0.00012
3755171.34
                   0.00002
                                0.00003
                                             0.00003
                                                          0.00004
                                                                       0.00005
                                                                                    0.00006
                                                                                                 0.00008
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                   0.00003
                                0.00003
                                             0.00004
                                                          0.00004
                                                                       0.00006
                                                                                    0.00007
                                                                                                 0.00010
                                                                                                             0.00014
                                                                                                                           0.00020
3755062.70
3754954.06
                   0.00003
                                0.00003
                                             0.00004
                                                          0.00005
                                                                       0.00006
                                                                                    0.00008
                                                                                                 0.00011
                                                                                                             0.00016
                                                                                                                           0.00024
                   0.00003
                                0.00003
                                             0.00004
                                                                                                             0.00019
3754845.42
                                                          0.00005
                                                                       0.00006
                                                                                    0.00009
                                                                                                 0.00013
                                                                                                                           0.00029
3754736.78
                   0.00003
                                0.00003
                                             0.00004
                                                          0.00005
                                                                       0.00006
                                                                                    0.00009
                                                                                                 0.00013
                                                                                                             0.00021
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                   0.00003
                                0.00003
                                             0.00004
                                                          0.00005
                                                                       0.00007
                                                                                    0.00009
                                                                                                 0.00014
                                                                                                             0.00022
                                                                                                                           0.00041
3754628.14
                   0.00003
                                0.00003
                                             0.00004
                                                          0.00005
                                                                       0.00007
                                                                                    0.00009
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                                                                                                             0.00024
                                                                                                                           0.00049
3754519.50
3754410.86
                   0.00003
                                0.00003
                                             0.00004
                                                          0.00005
                                                                       0.00007
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                                                                                                              0.00027
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                   0.00003
                                0.00003
                                             0.00004
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                                                                                                             0.00025
                                                                                                                           0.00032
3754302.22
                                                          0.00005
                                                                       0.00006
                                                                                    0.00010
3754193.58
                   0.00002
                                0.00003
                                             0.00003
                                                          0.00004
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3754084.94
                   0.00002
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                                                                                                                           0.00013
                   0.00002
                                0.00003
3753976.30
                                             0.00003
                                                          0.00004
                                                                       0.00005
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                                                                                                 0.00008
                                                                                                             0.00009
                                                                                                                           0.00009
3753867.66
                   0.00002
                                0.00003
                                             0.00003
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                                                                       0.00004
                                                                                    0.00006
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                   0.00002
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                                             0.00003
                                                                                    0.00005
                                                                                                             0.00005
                                                                                                                           0.00006
3753759.02
                                                          0.00003
                                                                       0.00004
                                                                                                 0.00005
3753650.38
                   0.00002
                                0.00003
                                             0.00003
                                                          0.00004
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                   0.00003
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3753541.74
                                             0.00005
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                   0.00003
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                                                                       0.00005
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3753433.10
                                0.00004
                                                                                    0.00005
                                                                                                 0.00005
                                                                                                                           0.00006
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                                    01/20/22
17:31:46
                                                                                                                    PAGE 52
*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ_U*
                            *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                                INCLUDING SOURCE(S):
                                                         STCK1
                                                                     , STCK2
                                                                                   , STCK3
                                                                                                 , STCK4
                                                                                                               , STCK5
               L0003537
                           , L0003538
                                         , L0003539
                                                       , L0003540
                                                                     , L0003541
                                                                                   , L0003542
                                                                                                 , L0003543
                                                                                                              , L0003544
               L0003545
                           , L0003546
                                         , L0003547
                                                       , L0003548
                                                                     , L0003549
                                                                                   , L0003550
                                                                                                 , L0003551
                                                                                                              , L0003552
                                         , L0003555
                                                                     , L0003557
                                                                                   , L0003558
               L0003553
                           , L0003554
                                                       , L0003556
                                                                                                 , L0003559
                                                                                                               , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
                 401943.08
                              402068.13
                                           402193.18
                                                        402318.23
                                                                                  402568.33
                                                                                               402693.38
                                                                                                            402818.43
  (METERS)
                                                                     402443.28
                                                                                                                         402943.48
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2755605 00	i e e e e e e e e e e e e e e e e e e e								
3755605.90	0.00007	0.00008	0.00008	0.00008	0.00008	0.00007	0.00007	0.00006	0.00006
3755497.26	0.00013	0.00014	0.00014	0.00014	0.00014	0.00016	0.00015	0.00013	0.00011
3755388.62	0.00012	0.00013	0.00014	0.00014	0.00019	0.00012	0.00009	0.00007	0.00006
3755279.98	0.00015	0.00016	0.00017	0.00017	0.00022	0.00013	0.00009	0.00007	0.00006
3755171.34	0.00020	0.00022	0.00025	0.00023	0.00027	0.00015	0.00010	0.00007	0.00006
3755062.70	0.00027	0.00032	0.00050	0.00038	0.00031	0.00017	0.00011	0.00008	0.00006
3754954.06	0.00037	0.00047	0.00065	0.00040	0.00027	0.00017	0.00011	0.00008	0.00006
3754845.42	0.00051	0.00078	0.00088	0.00050	0.00028	0.00016	0.00010	0.00007	0.00005
3754736.78	0.00080	0.00184	0.00140	0.00052	0.00025	0.00014	0.00009	0.00007	0.00005
3754628.14	0.00122	0.00216	0.00145	0.00047	0.00022	0.00013	0.00009	0.00006	0.00005
3754519.50	0.00097	0.00075	0.00082	0.00038	0.00020	0.00012	0.00008	0.00006	0.00005
3754410.86	0.00047	0.00037	0.00046	0.00027	0.00017	0.00011	0.00008	0.00006	0.00005
3754302.22	0.00025	0.00023	0.00034	0.00019	0.00014	0.00009	0.00007	0.00006	0.00005
3754193.58	0.00016	0.00016	0.00027	0.00015	0.00012	0.00008	0.00007	0.00006	0.00004
3754084.94	0.00012	0.00012	0.00027	0.00012	0.00010	0.00008	0.00006	0.00005	0.00004
3753976.30	0.00009	0.00010	0.00021	0.00012	0.00010	0.00008	0.00006	0.00005	0.00004
3753867.66	0.00007	0.00008	0.00015	0.00019	0.00022	0.00008	0.00005	0.00004	0.00004
3753759.02	0.00006	0.00006	0.00007	0.00008	0.00015	0.00008	0.00005	0.00004	0.00004
3753650.38	0.00005	0.00006	0.00006	0.00007	0.00014	0.00007	0.00005	0.00004	0.00004
3753541.74	0.00007	0.00007	0.00007	0.00008	0.00014	0.00007	0.00006	0.00005	0.00005
3753433.10	0.00006	0.00006	0.00006	0.00006	0.00007	0.00008	0.00007	0.00007	0.00006
*** AERMET - *** MODELOPTs	VERSION 16216 * RegDFAULT	*** *** 19471 CONC ELEV UF	Greenstone I	OPM Conc Years	s 2025 through	h 2038	**	Ι,,	31:46 E 53
			120_0						
			_						
		*** THE PERIOR	—) (43848 HRS)			VALUES FOR SOUR			
		*** THE PERIOR	-) (43848 HRS) SOURCE(S):	STCK1	, STCK2	, STCK3	, STCK4	, STCK5	,
		*** THE PERIOR INCLUDING L0003538	O (43848 HRS) SOURCE(S):	STCK1 , L0003540	, STCK2 , L0003541	, STCK3 , L0003542	, STCK4 , L0003543	, STCK5 , L000354	
	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546	O (43848 HRS) SOURCE(S): L0003539	STCK1 , L0003540 , L0003548	, STCK2 , L0003541 , L0003549	, STCK3 , L0003542 , L0003550	, STCK4 , L0003543 , L0003551	, STCK5 , L000354 , L000355	
	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546	O (43848 HRS) SOURCE(S):	STCK1 , L0003540	, STCK2 , L0003541	, STCK3 , L0003542	, STCK4 , L0003543	, STCK5 , L000354	
	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554	O (43848 HRS) SOURCE(S): L0003539 L0003547	STCK1 , L0003540 , L0003548 , L0003556	, STCK2 , L0003541 , L0003549 , L0003557	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551	, STCK5 , L000354 , L000355	
	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554	O (43848 HRS) SOURCE(S): L0003539	STCK1 , L0003540 , L0003548 , L0003556	, STCK2 , L0003541 , L0003549 , L0003557	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551	, STCK5 , L000354 , L000355	
	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO	O (43848 HRS) SOURCE(S): L0003539 L0003547	STCK1 , L0003540 , L0003548 , L0003556	, STCK2 , L0003541 , L0003549 , L0003557	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551	, STCK5 , L000354 , L000355	
V. GOODD	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
Y-COORD	L0003545 , L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 DRK ID: UCARTI	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
Y-COORD (METERS)	L0003545 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
	L0003545 , L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 DRK ID: UCARTI	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS)	L0003545 , L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO ** (O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 DRK ID: UCARTI	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 	L0003545 , L0003553 , L0003553 , L00006	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCARTI CONC OF DPM 403318.63	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 	L0003545 , L0003553 , L0003553 , L00006	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCARTI CONC OF DPM 403318.63	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62	L0003545 , L0003553 , L0003553 , L00006	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCART1 CONC OF DPM 403318.63 0.00004 0.00004 0.00004	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98	L0003545 , L0003553 , L000555 , L00055 , L0005	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCART1 CONC OF DPM 403318.63 0.00004 0.00004 0.00003 0.00003	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34	L0003545 L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004 0.00004 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCART1 CONC OF DPM 403318.63 0.00004 0.00004 0.00003 0.00003 0.00003	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70	L0003545 L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004 0.00004 0.00004 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCARTI CONC OF DPM 403318.63 0.00004 0.00004 0.00003 0.00003 0.00003 0.00003	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70 3754954.06	L0003545 L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCART1 CONC OF DPM 403318.63 0.00004 0.00003 0.00003 0.00003 0.00003 0.00003	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	
(METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70	L0003545 L0003553 ,	*** THE PERIOR INCLUDING L0003538 L0003546 L0003554 *** NETWO 403193.58 0.00006 0.00005 0.00004 0.00004 0.00004 0.00004	O (43848 HRS) SOURCE(S): L0003539 L0003547 L0003555 ORK ID: UCARTI CONC OF DPM 403318.63 0.00004 0.00004 0.00003 0.00003 0.00003 0.00003	STCK1 , L0003540 , L0003548 , L0003556 ; NETWORI	, STCK2 , L0003541 , L0003549 , L0003557 K TYPE: GRIDCA	, STCK3 , L0003542 , L0003550 , L0003558	, STCK4 , L0003543 , L0003551 , L0003559	, STCK5 , L000354 , L000355	

```
3754628.14
               0.00004
                            0.00003
                                        0.00003
 3754519.50
                 0.00004
                            0.00003
                                        0.00003
 3754410.86
                 0.00004
                            0.00003
                                        0.00003
                 0.00004
 3754302.22
                            0.00003
                                        0.00002
 3754193.58
                 0.00003
                            0.00003
                                        0.00002
                 0.00003
                            0.00003
                                        0.00002
 3754084.94
 3753976.30
                 0.00003
                            0.00003
                                        0.00003
                 0.00003
                            0.00003
 3753867.66
                                        0.00002
 3753759.02
                 0.00003
                            0.00003
                                        0.00002
 3753650.38
                 0.00003
                            0.00003
                                        0.00002
               0.00004
 3753541.74
                            0.00004
                                        0.00003
            0.00006
                            0.00005
                                        0.00002
 3753433.10
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                      01/20/22
17:31:46
                                                                                                      PAGE 54
*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ_U*
                         *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                            INCLUDING SOURCE(S): STCK1 , STCK2 , STCK3 , STCK4
                                                                                                 , STCK5
              L0003537
                         , L0003538
                                    , L0003539 , L0003540 , L0003541 , L0003542
                                                                                   , L0003543
                                                                                                 , L0003544
              L0003545 , L0003546 , L0003547 , L0003548 , L0003549 , L0003550 , L0003551
                                                                                                 , L0003552 ,
              L0003553 , L0003554 , L0003555 , L0003556 , L0003557 , L0003558 , L0003559
                                                                                                 , . . .
                                     *** DISCRETE CARTESIAN RECEPTOR POINTS ***
                                  ** CONC OF DPM IN MICROGRAMS/M**3
     X-COORD (M) Y-COORD (M)
                                  CONC
                                                         X-COORD (M) Y-COORD (M)
                                                                                      CONC

      401611.34
      3754416.63
      0.00018

      401548.67
      3754638.98
      0.00013

      402492.59
      3754623.98
      0.00017

      402487.63
      3753865.10
      0.00018

                                                           401540.87
                                                                      3754478.07
                                                                                     0.00013
                                                           401600.93
                                                                      3754832.07
                                                                                     0.00014
                                                           402490.28
                                                                      3754733.27
                                                                                     0.00020
                                                           403257.84 3755558.44
                                                                                     0.00008
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years ***
                                                                                                      01/20/22
17:31:46
                                                                                                      PAGE 55
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                                  *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***
                              ** CONC OF DPM IN MICROGRAMS/M**3
              AVERAGE CONC
                                        RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
GROUP ID
ALL
        1ST HIGHEST VALUE IS 0.00216 AT ( 402068.13, 3754628.14, 44.40, 44.40, 0.00) GC UCART1
        2ND HIGHEST VALUE IS 0.00184 AT ( 402068.13, 3754736.78, 44.20, 44.20, 0.00) GC UCART1
```

```
0.00145 AT ( 402193.18, 3754628.14,
        3RD HIGHEST VALUE IS
                                                                       44.30,
                                                                                 44.30,
                                                                                          0.00) GC UCART1
        4TH HIGHEST VALUE IS
                                 0.00140 AT ( 402193.18, 3754736.78,
                                                                       45.00,
                                                                                45.00,
                                                                                          0.00) GC UCART1
                                 0.00122 AT ( 401943.08, 3754628.14,
        5TH HIGHEST VALUE IS
                                                                       43.80,
                                                                                43.80,
                                                                                          0.00) GC UCART1
                                                                       42.40,
        6TH HIGHEST VALUE IS
                                 0.00097 AT ( 401943.08, 3754519.50,
                                                                                42.40,
                                                                                          0.00) GC UCART1
        7TH HIGHEST VALUE IS
                                 0.00088 AT ( 402193.18, 3754845.42,
                                                                       45.60,
                                                                                45.60,
                                                                                          0.00) GC UCART1
                                 0.00082 AT (
                                              402193.18, 3754519.50,
                                                                       42.80,
                                                                                42.80,
                                                                                          0.00) GC UCART1
        8TH HIGHEST VALUE IS
                                 0.00080 AT ( 401943.08, 3754736.78,
        9TH HIGHEST VALUE IS
                                                                       43.40,
                                                                                43.40,
                                                                                          0.00) GC UCART1
                                                                                          0.00) GC UCART1
                                 0.00078 AT ( 402068.13, 3754845.42,
                                                                       45.80,
                                                                                45.80,
       10TH HIGHEST VALUE IS
*** RECEPTOR TYPES: GC = GRIDCART
                   GP = GRIDPOLR
                   DC = DISCCART
                   DP = DISCPOLR
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 1st 14 years\Greenstone 1st 14 years
                                                                                                             01/20/22
17:31:46
                                                                                                             PAGE 56
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ U*
*** Message Summary : AERMOD Model Execution ***
 ----- Summary of Total Messages -----
A Total of
                    0 Fatal Error Message(s)
A Total of
                    9 Warning Message(s)
A Total of
                 1277 Informational Message(s)
A Total of
                43848 Hours Were Processed
A Total of
                 152 Calm Hours Identified
A Total of
                 1125 Missing Hours Identified ( 2.57 Percent)
   ****** FATAL ERROR MESSAGES ******
             *** NONE ***
   ****** WARNING MESSAGES
                              ******
SO W320
          1097
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
SO W320
          1098
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                    VS
SO W320
          1099
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                    VS
SO W320
          1100
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                    VS
SO W320
          1101
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                    VS
                    MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
ME W186
          2229
                                                                                  0.50
                    MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W187
          2229
MX W450
         26305
                    CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                              15010101
MX W450
         26305
                    CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                             2 year gap
   *********
```

```
** Lakes Environmental AERMOD MPI
**********
** AERMOD Input Produced by:
** AERMOD View Ver. 10.2.1
** Lakes Environmental Software Inc.
** Date: 1/20/2022
** File: C:\Lakes\AERMOD View\Greenstone 2nd 14 years\Greenstone 2nd 14 years.ADI
**********
**********
** AERMOD Control Pathway
***********
CO STARTING
  TITLEONE C:\Lakes\AERMOD View\Greenstone 2nd 14 years
  TITLETWO 19471 Greenstone DPM Conc Years 2039 through 2052
  MODELOPT DFAULT CONC
  AVERTIME PERIOD
  URBANOPT 9818605 Los_Angeles_County
  POLLUTID DPM
  RUNORNOT RUN
  ERRORFIL "Greenstone 2nd 14 years.err"
CO FINISHED
***********
** AERMOD Source Pathway
***********
SO STARTING
** Source Location **
** Source ID - Type - X Coord. - Y Coord. **
  LOCATION STCK1 POINT 402181.270 3754671.540
                                                        44.810
** DESCRSRC Entrance/exit idling location
                                                        44.040
  LOCATION STCK2
                POINT
                           402180.356 3754589.018
** DESCRSRC Entrance/exit idling location
  LOCATION STCK3
                POINT 402012.458 3754650.448
                                                        44.270
** DESCRSRC Loading dock idling
                              402045.826 3754650.588
  LOCATION STCK4 POINT
                                                        44.470
** DESCRSRC Loading dock idling
                              402074.447 3754650.588
  LOCATION STCK5
                  POINT
                                                        44.550
** DESCRSRC Loading dock idling
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE1
** DESCRSRC On-site truck travel
```

```
** PREFTX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 2.62E-06
** Elevated
** Building Height = 12.50
** SZINIT = 5.81
** Nodes = 9
** 402184.200, 3754671.918, 44.66, 3.50, 4.00
** 401933.856, 3754672.185, 43.63, 3.50, 4.00
** 401928.507, 3754665.766, 43.41, 3.50, 4.00
** 401925.565, 3754654.800, 43.07, 3.50, 4.00
** 401924.763, 3754628.589, 42.91, 3.50, 4.00
** 401925.833, 3754594.889, 42.48, 3.50, 4.00
** 401929.042, 3754590.075, 42.44, 3.50, 4.00
** 401936.264, 3754586.598, 43.42, 3.50, 4.00
** 402185.003, 3754587.935, 43.91, 3.50, 4.00
  LOCATION L0004452
                        VOLUME
                                402179.905 3754671.923 44.82
  LOCATION L0004453
                        VOLUME
                                 402171.314 3754671.932 44.94
  LOCATION L0004454
                        VOLUME
                                 402162.723 3754671.941 44.95
                        VOLUME
  LOCATION L0004455
                                 402154.133 3754671.950 44.89
  LOCATION L0004456
                        VOLUME
                                 402145.542 3754671.959 44.83
                        VOLUME
                                 402136.951 3754671.969 44.81
  LOCATION L0004457
  LOCATION L0004458
                        VOLUME
                                 402128.360 3754671.978 44.81
  LOCATION L0004459
                        VOLUME
                                 402119.769 3754671.987 44.81
                                 402111.179 3754671.996 44.75
  LOCATION L0004460
                        VOLUME
  LOCATION L0004461
                        VOLUME
                                 402102.588 3754672.005 44.65
  LOCATION L0004462
                        VOLUME
                                 402093.997 3754672.014 44.55
  LOCATION L0004463
                        VOLUME
                                 402085.406 3754672.024 44.53
                        VOLUME
                                 402076.815 3754672.033 44.56
  LOCATION L0004464
                                 402068.225 3754672.042 44.60
  LOCATION L0004465
                        VOLUME
  LOCATION L0004466
                        VOLUME
                                 402059.634 3754672.051 44.59
  LOCATION L0004467
                        VOLUME
                                 402051.043 3754672.060 44.55
  LOCATION L0004468
                        VOLUME
                                 402042.452 3754672.069 44.51
  LOCATION L0004469
                        VOLUME
                                 402033.862 3754672.079 44.45
  LOCATION L0004470
                        VOLUME
                                 402025.271 3754672.088 44.37
  LOCATION L0004471
                        VOLUME
                                 402016.680 3754672.097 44.30
  LOCATION L0004472
                        VOLUME
                                 402008.089 3754672.106 44.23
  LOCATION L0004473
                        VOLUME
                                 401999.498 3754672.115 44.16
  LOCATION L0004474
                        VOLUME
                                 401990.908 3754672.125 44.09
                        VOLUME
                                 401982.317 3754672.134 44.03
  LOCATION L0004475
  LOCATION L0004476
                        VOLUME
                                 401973.726 3754672.143 43.96
                                 401965.135 3754672.152 43.89
  LOCATION L0004477
                        VOLUME
  LOCATION L0004478
                        VOLUME
                                 401956.544 3754672.161 43.82
  LOCATION L0004479
                        VOLUME
                                 401947.954 3754672.170 43.74
                                 401939.363 3754672.180 43.67
  LOCATION L0004480
                        VOLUME
  LOCATION L0004481
                        VOLUME
                                 401931.882 3754669.816 43.52
  LOCATION L0004482
                        VOLUME
                                 401927.647 3754662.560 43.38
  LOCATION L0004483
                        VOLUME
                                 401925.548 3754654.244 43.30
  LOCATION L0004484
                        VOLUME
                                 401925.285 3754645.657 43.27
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LOCATION L0004485
                       VOLUME
                               401925.022 3754637.071 43.25
                                401924.766 3754628.484 43.24
  LOCATION L0004486
                       VOLUME
  LOCATION L0004487
                       VOLUME
                                401925.039 3754619.897 43.26
  LOCATION L0004488
                       VOLUME
                                401925.311 3754611.311 43.28
  LOCATION L0004489
                                401925.584 3754602.724 43.24
                        VOLUME
                               401926.250 3754594.264 43.18
  LOCATION L0004490
                       VOLUME
  LOCATION L0004491
                       VOLUME
                                401932.246 3754588.532 43.37
                               401940.396 3754586.620 43.52
  LOCATION L0004492
                       VOLUME
  LOCATION L0004493
                       VOLUME
                               401948.986 3754586.666 43.56
  LOCATION L0004494
                        VOLUME
                               401957.577 3754586.712 43.61
  LOCATION L0004495
                       VOLUME
                                401966.168 3754586.759 43.64
                                401974.758 3754586.805 43.66
  LOCATION L0004496
                       VOLUME
  LOCATION L0004497
                       VOLUME
                                401983.349 3754586.851 43.68
                                401991.940 3754586.897 43.72
  LOCATION L0004498
                        VOLUME
  LOCATION L0004499
                       VOLUME
                               402000.530 3754586.943 43.77
  LOCATION L0004500
                       VOLUME
                                402009.121 3754586.990 43.83
                       VOLUME
                               402017.712 3754587.036 43.89
  LOCATION L0004501
  LOCATION L0004502
                       VOLUME
                                402026.303 3754587.082 43.95
                        VOLUME
                                402034.893 3754587.128 44.01
  LOCATION L0004503
  LOCATION L0004504
                       VOLUME
                                402043.484 3754587.174 44.04
  LOCATION L0004505
                       VOLUME
                                402052.075 3754587.220 44.04
  LOCATION L0004506
                       VOLUME
                                402060.665 3754587.267 44.05
  LOCATION L0004507
                        VOLUME
                                402069.256 3754587.313 44.05
                                402077.847 3754587.359 44.06
  LOCATION L0004508
                       VOLUME
  LOCATION L0004509
                       VOLUME
                                402086.437 3754587.405 44.07
  LOCATION L0004510
                       VOLUME
                                402095.028 3754587.451 44.08
                               402103.619 3754587.498 44.11
  LOCATION L0004511
                       VOLUME
  LOCATION L0004512
                       VOLUME
                               402112.209 3754587.544 44.14
                       VOLUME
                               402120.800 3754587.590 44.15
  LOCATION L0004513
  LOCATION L0004514
                       VOLUME
                               402129.391 3754587.636 44.16
                       VOLUME
                               402137.981 3754587.682 44.18
  LOCATION L0004515
                               402146.572 3754587.729 44.21
  LOCATION L0004516
                       VOLUME
  LOCATION L0004517
                       VOLUME
                               402155.163 3754587.775 44.25
  LOCATION L0004518
                       VOLUME
                               402163.753 3754587.821 44.28
  LOCATION L0004519
                       VOLUME
                               402172.344 3754587.867 44.19
  LOCATION L0004520
                       VOLUME 402180.935 3754587.913 44.01
** End of LINE VOLUME Source ID = SLINE1
** -----
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE2
** DESCRSRC Northbound offsite truck traffic to Florence Ave
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.28E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 10
** 402196.403, 3754671.075, 44.64, 3.49, 4.00
** 402198.605, 3754727.405, 45.27, 3.49, 4.00
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** 402202.382, 3754780.274, 45.37, 3.49, 4.00
** 402201.668, 3754904.353, 46.11, 3.49, 4.00
** 402203.205, 3755009.914, 46.43, 3.49, 4.00
** 402203.205, 3755075.505, 45.79, 3.49, 4.00
** 402208.330, 3755083.192, 45.61, 3.49, 4.00
** 402461.984, 3755085.242, 46.94, 3.49, 4.00
** 402468.646, 3755087.291, 46.99, 3.49, 4.00
** 402471.208, 3755454.194, 48.46, 3.49, 4.00
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  LOCATION L0004522
                        VOLUME
                                 402196.906 3754683.950 44.79
  LOCATION LOCATION 5
                        VOLUME
                                 402197.242 3754692.533 44.86
  LOCATION L0004524
                        VOLUME
                                 402197.577 3754701.117 44.92
                                 402197.913 3754709.700 44.95
  LOCATION L0004525
                        VOLUME
  LOCATION L0004526
                        VOLUME
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                        VOLUME
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  LOCATION L0004528
                        VOLUME
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  LOCATION L0004529
                        VOLUME
                                 402199.791 3754744.004 45.15
                        VOLUME
                                 402200.403 3754752.572 45.22
  LOCATION L0004530
  LOCATION L0004531
                        VOLUME
                                 402201.015 3754761.141 45.28
  LOCATION L0004532
                        VOLUME
                                 402201.627 3754769.709 45.33
  LOCATION L0004533
                        VOLUME
                                 402202.239 3754778.277 45.38
  LOCATION L0004534
                        VOLUME
                                 402202.344 3754786.862 45.42
                        VOLUME
                                 402202.294 3754795.452 45.47
  LOCATION L0004535
  LOCATION L0004536
                        VOLUME
                                 402202.245 3754804.041 45.51
  LOCATION L0004537
                        VOLUME
                                 402202.196 3754812.631 45.56
  LOCATION L0004538
                        VOLUME
                                 402202.146 3754821.221 45.61
  LOCATION L0004539
                        VOLUME
                                 402202.097 3754829.811 45.63
                        VOLUME
                                 402202.047 3754838.401 45.65
  LOCATION L0004540
  LOCATION L0004541
                        VOLUME
                                 402201.998 3754846.991 45.67
                        VOLUME
                                 402201.949 3754855.581 45.71
  LOCATION L0004542
                                 402201.899 3754864.170 45.80
  LOCATION L0004543
                        VOLUME
  LOCATION L0004544
                        VOLUME
                                 402201.850 3754872.760 45.88
  LOCATION L0004545
                        VOLUME
                                 402201.800 3754881.350 45.96
  LOCATION L0004546
                        VOLUME
                                 402201.751 3754889.940 46.01
  LOCATION L0004547
                        VOLUME
                                 402201.701 3754898.530 46.05
  LOCATION L0004548
                        VOLUME
                                 402201.708 3754907.119 46.09
  LOCATION L0004549
                        VOLUME
                                 402201.833 3754915.709 46.13
  LOCATION L0004550
                        VOLUME
                                 402201.958 3754924.298 46.18
  LOCATION L0004551
                        VOLUME
                                 402202.084 3754932.887 46.22
  LOCATION L0004552
                        VOLUME
                                 402202.209 3754941.476 46.26
                        VOLUME
                                 402202.334 3754950.065 46.30
  LOCATION L0004553
  LOCATION L0004554
                        VOLUME
                                 402202.459 3754958.654 46.33
                        VOLUME
                                 402202.584 3754967.243 46.36
  LOCATION L0004555
  LOCATION L0004556
                        VOLUME
                                 402202.709 3754975.832 46.39
  LOCATION L0004557
                        VOLUME
                                 402202.834 3754984.421 46.42
                                 402202.959 3754993.010 46.45
  LOCATION L0004558
                        VOLUME
  LOCATION L0004559
                        VOLUME
                                 402203.084 3755001.599 46.48
  LOCATION L0004560
                        VOLUME
                                 402203.205 3755010.189 46.48
  LOCATION L0004561
                                 402203.205 3755018.779 46.43
                        VOLUME
  LOCATION L0004562
                        VOLUME
                                402203.205 3755027.369 46.39
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LOCATION	L0004563	VOLUME	402203.205	3755035.959	46.34
LOCATION	L0004564	VOLUME	402203.205	3755044.549	46.22
LOCATION	L0004565	VOLUME	402203.205	3755053.139	46.09
LOCATION	L0004566	VOLUME	402203.205	3755061.729	45.95
LOCATION	L0004567	VOLUME	402203.205	3755070.319	45.83
LOCATION	L0004568	VOLUME	402205.093	3755078.337	45.81
LOCATION	L0004569	VOLUME	402211.085	3755083.214	45.94
LOCATION	L0004570	VOLUME	402219.674	3755083.284	46.20
LOCATION	L0004571	VOLUME	402228.264	3755083.353	46.37
LOCATION	L0004572	VOLUME	402236.854	3755083.422	46.46
LOCATION	L0004573	VOLUME	402245.443	3755083.492	46.56
LOCATION	L0004574	VOLUME	402254.033	3755083.561	46.62
LOCATION	L0004575	VOLUME	402262.623	3755083.631	46.66
LOCATION	L0004576	VOLUME	402271.213	3755083.700	46.70
LOCATION	L0004577	VOLUME	402279.802	3755083.770	46.72
LOCATION	L0004578	VOLUME	402288.392	3755083.839	46.72
LOCATION	L0004579	VOLUME	402296.982	3755083.908	46.72
LOCATION	L0004580	VOLUME	402305.571	3755083.978	46.71
LOCATION	L0004581	VOLUME	402314.161	3755084.047	46.69
LOCATION	L0004582	VOLUME	402322.751	3755084.117	46.67
LOCATION	L0004583	VOLUME	402331.341	3755084.186	46.64
LOCATION	L0004584	VOLUME	402339.930	3755084.255	46.60
LOCATION	L0004585	VOLUME	402348.520	3755084.325	46.56
LOCATION	L0004586	VOLUME	402357.110	3755084.394	46.60
LOCATION	L0004587	VOLUME	402365.700	3755084.464	46.68
LOCATION	L0004588	VOLUME	402374.289	3755084.533	46.75
LOCATION	L0004589	VOLUME	402382.879	3755084.602	46.80
LOCATION	L0004590	VOLUME	402391.469	3755084.672	46.84
LOCATION	L0004591	VOLUME	402400.058	3755084.741	46.88
LOCATION	L0004592	VOLUME	402408.648	3755084.811	46.90
LOCATION	L0004593	VOLUME	402417.238	3755084.880	46.91
LOCATION	L0004594	VOLUME	402425.828	3755084.950	46.92
LOCATION	L0004595	VOLUME	402434.417	3755085.019	46.93
LOCATION	L0004596	VOLUME	402443.007	3755085.088	46.93
LOCATION	L0004597	VOLUME	402451.597	3755085.158	46.93
LOCATION	L0004598	VOLUME	402460.186	3755085.227	46.95
LOCATION	L0004599	VOLUME	402468.476	3755087.239	46.99
LOCATION	L0004600	VOLUME	402468.705	3755095.703	47.00
LOCATION	L0004601	VOLUME	402468.765	3755104.293	47.12
LOCATION	L0004602	VOLUME	402468.825	3755112.883	47.24
LOCATION	L0004603	VOLUME	402468.885	3755121.473	47.37
LOCATION	L0004604	VOLUME	402468.945	3755130.063	47.47
LOCATION	L0004605	VOLUME	402469.005	3755138.652	47.51
LOCATION	L0004606	VOLUME	402469.065	3755147.242	47.56
LOCATION	L0004607	VOLUME	402469.125	3755155.832	
LOCATION	L0004608	VOLUME	402469.185	3755164.422	47.59
LOCATION	L0004609	VOLUME	402469.245	3755173.012	47.55
	L0004610	VOLUME	402469.305	3755181.601	
	L0004611	VOLUME	402469.365	3755190.191	
	L0004612	VOLUME	402469.425	3755198.781	47.52
LOCATION	L0004613	VOLUME	402469.485	3755207.371	47.55

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LOCATION L0004614
                        VOLUME
                                402469.545 3755215.960 47.58
                                402469.605 3755224.550 47.64
  LOCATION L0004615
                        VOLUME
  LOCATION L0004616
                        VOLUME
                                402469.665 3755233.140 47.72
  LOCATION L0004617
                        VOLUME
                                402469.724 3755241.730 47.79
  LOCATION L0004618
                        VOLUME
                                402469.784 3755250.320 47.86
                                402469.844 3755258.909 47.81
  LOCATION L0004619
                        VOLUME
  LOCATION L0004620
                        VOLUME
                                402469.904 3755267.499 47.75
  LOCATION L0004621
                        VOLUME
                                402469.964 3755276.089 47.69
  LOCATION L0004622
                        VOLUME
                                402470.024 3755284.679 47.69
  LOCATION L0004623
                        VOLUME
                                402470.084 3755293.269 47.78
  LOCATION L0004624
                        VOLUME
                                402470.144 3755301.858 47.86
                                402470.204 3755310.448 47.95
  LOCATION L0004625
                        VOLUME
  LOCATION L0004626
                        VOLUME
                                402470.264 3755319.038 47.99
                                402470.324 3755327.628 48.03
  LOCATION L0004627
                        VOLUME
  LOCATION L0004628
                        VOLUME
                                402470.384 3755336.218 48.06
  LOCATION L0004629
                        VOLUME
                                402470.444 3755344.807 48.08
  LOCATION L0004630
                        VOLUME
                                402470.504 3755353.397 48.05
  LOCATION L0004631
                        VOLUME
                                402470.564 3755361.987 48.02
                        VOLUME
                                402470.624 3755370.577 47.98
  LOCATION L0004632
  LOCATION L0004633
                        VOLUME
                                402470.684 3755379.166 48.02
  LOCATION L0004634
                        VOLUME
                                402470.744 3755387.756 48.09
  LOCATION L0004635
                        VOLUME
                                402470.804 3755396.346 48.17
  LOCATION L0004636
                        VOLUME
                               402470.864 3755404.936 48.23
                        VOLUME
                               402470.924 3755413.526 48.25
  LOCATION L0004637
  LOCATION L0004638
                        VOLUME
                                402470.984 3755422.115 48.27
  LOCATION L0004639
                       VOLUME
                               402471.044 3755430.705 48.28
  LOCATION L0004640
                        VOLUME 402471.104 3755439.295 48.32
  LOCATION L0004641
                       VOLUME 402471.164 3755447.885 48.37
** End of LINE VOLUME Source ID = SLINE2
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE3
** DESCRSRC Southbound offsite truck traffic to Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 6.68E-08
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 9
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** 402200.050, 3753897.498, 38.19, 3.49, 4.00
** 402201.531, 3753889.352, 38.19, 3.49, 4.00
** 402204.493, 3753886.760, 38.20, 3.49, 4.00
** 402457.396, 3753887.131, 42.07, 3.49, 4.00
** 402464.802, 3753883.428, 42.04, 3.49, 4.00
** 402467.394, 3753877.873, 41.76, 3.49, 4.00
** 402468.875, 3753863.803, 41.65, 3.49, 4.00
** 402469.415, 3753494.415, 38.01, 3.49, 4.00
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LOCATION	L0004642	VOLUME	402197.900	3754583.997	43.81
LOCATION	L0004643	VOLUME	402197.927	3754575.407	43.71
LOCATION	L0004644	VOLUME	402197.954	3754566.817	43.63
LOCATION	L0004645	VOLUME	402197.981	3754558.227	43.54
LOCATION	L0004646	VOLUME	402198.007	3754549.637	43.46
LOCATION	L0004647	VOLUME	402198.034	3754541.047	43.36
LOCATION	L0004648	VOLUME	402198.061	3754532.457	43.22
LOCATION	L0004649	VOLUME	402198.088	3754523.867	43.08
LOCATION	L0004650	VOLUME	402198.115	3754515.277	42.93
LOCATION	L0004651	VOLUME	402198.142	3754506.687	42.79
LOCATION	L0004652	VOLUME	402198.169	3754498.097	42.65
LOCATION	L0004653	VOLUME	402198.196	3754489.507	42.50
LOCATION	L0004654	VOLUME	402198.223	3754480.917	42.37
LOCATION	L0004655	VOLUME	402198.250	3754472.327	42.28
LOCATION	L0004656	VOLUME	402198.276	3754463.737	42.19
LOCATION	L0004657	VOLUME	402198.303	3754455.147	42.10
LOCATION	L0004658	VOLUME	402198.330	3754446.557	42.00
LOCATION	L0004659	VOLUME	402198.357	3754437.968	41.90
LOCATION	L0004660	VOLUME	402198.384	3754429.378	41.80
LOCATION	L0004661	VOLUME	402198.411	3754420.788	41.71
LOCATION	L0004662	VOLUME	402198.438	3754412.198	41.62
LOCATION	L0004663	VOLUME	402198.465	3754403.608	41.53
LOCATION	L0004664	VOLUME	402198.492	3754395.018	41.45
LOCATION	L0004665	VOLUME	402198.519	3754386.428	41.31
LOCATION	L0004666	VOLUME	402198.545	3754377.838	41.09
LOCATION	L0004667	VOLUME	402198.572	3754369.248	40.88
LOCATION	L0004668	VOLUME	402198.599	3754360.658	40.66
LOCATION	L0004669	VOLUME	402198.626	3754352.068	40.57
LOCATION	L0004670	VOLUME	402198.653	3754343.478	40.51
LOCATION	L0004671	VOLUME	402198.680	3754334.888	40.44
LOCATION	L0004672	VOLUME	402198.707	3754326.298	40.37
LOCATION	L0004673	VOLUME	402198.734	3754317.708	40.27
	L0004674	VOLUME	402198.761	3754309.118	40.17
	L0004675	VOLUME	402198.788	3754300.528	40.08
	L0004676	VOLUME	402198.814		40.06
	L0004677	VOLUME	402198.841	3754283.348	40.09
	L0004678	VOLUME	402198.868	3754274.758	40.11
	L0004679	VOLUME	402198.895	3754266.168	40.13
	L0004680	VOLUME	402198.922	3754257.578	40.11
	L0004681	VOLUME	402198.949	3754248.988	40.09
	L0004682	VOLUME	402198.976	3754240.398	40.08
	L0004683	VOLUME	402199.003	3754231.809	40.03
	L0004684	VOLUME	402199.030	3754223.219	39.95
	L0004685	VOLUME	402199.057	3754214.629	39.87
	L0004686	VOLUME	402199.083	3754206.039	39.80
	L0004687	VOLUME	402199.110	3754197.449	39.72
	L0004688	VOLUME	402199.137	3754188.859	39.65
	L0004689	VOLUME	402199.164		39.58
	L0004690	VOLUME	402199.191	3754171.679	39.52
	L0004691	VOLUME	402199.218	3754163.089	39.48
LOCATION	L0004692	VOLUME	402199.245	3754154.499	39.45

LOCATION	L0004693	VOLUME	402199.272	3754145.909	39.42
LOCATION	L0004694	VOLUME	402199.299	3754137.319	39.38
LOCATION	L0004695	VOLUME	402199.326	3754128.729	39.34
LOCATION	L0004696	VOLUME	402199.352	3754120.139	39.30
LOCATION	L0004697	VOLUME	402199.379	3754111.549	39.28
LOCATION	L0004698	VOLUME	402199.406	3754102.959	39.32
LOCATION	L0004699	VOLUME	402199.433	3754094.369	39.37
LOCATION	L0004700	VOLUME	402199.460	3754085.779	39.41
LOCATION	L0004701	VOLUME	402199.487	3754077.189	39.46
LOCATION	L0004702	VOLUME	402199.514	3754068.599	39.50
LOCATION	L0004703	VOLUME	402199.541	3754060.009	39.55
LOCATION	L0004704	VOLUME	402199.568	3754051.419	39.59
LOCATION	L0004705	VOLUME	402199.595	3754042.829	39.51
LOCATION	L0004706	VOLUME	402199.621	3754034.240	39.43
LOCATION	L0004707	VOLUME	402199.648	3754025.650	39.35
LOCATION	L0004708	VOLUME	402199.675	3754017.060	39.26
LOCATION	L0004709	VOLUME	402199.702	3754008.470	39.17
LOCATION	L0004710	VOLUME	402199.729	3753999.880	39.07
LOCATION	L0004711	VOLUME	402199.756	3753991.290	38.98
LOCATION	L0004712	VOLUME	402199.783	3753982.700	38.86
LOCATION	L0004713	VOLUME	402199.810	3753974.110	38.73
LOCATION	L0004714	VOLUME	402199.837	3753965.520	38.61
LOCATION	L0004715	VOLUME	402199.864	3753956.930	38.49
LOCATION	L0004716	VOLUME	402199.890	3753948.340	38.41
LOCATION	L0004717	VOLUME	402199.917	3753939.750	38.33
LOCATION	L0004718	VOLUME	402199.944	3753931.160	38.26
	L0004719	VOLUME	402199.971	3753922.570	38.21
	L0004720	VOLUME	402199.998	3753913.980	38.19
LOCATION		VOLUME	402200.025	3753905.390	38.16
LOCATION		VOLUME	402200.175	3753896.811	38.13
	L0004723	VOLUME	402202.290	3753888.688	38.05
LOCATION		VOLUME	402210.155	3753886.769	38.15
LOCATION		VOLUME	402218.745	3753886.781	38.34
LOCATION		VOLUME	402227.335	3753886.794	38.54
	L0004727	VOLUME	402235.925	3753886.806	38.74
LOCATION		VOLUME	402244.515	3753886.819	38.85
LOCATION		VOLUME	402253.105	3753886.831	38.97
	L0004730	VOLUME	402261.695	3753886.844	39.08
LOCATION		VOLUME	402270.285	3753886.857	39.25
LOCATION		VOLUME	402278.875	3753886.869	39.43
	L0004733	VOLUME	402287.465	3753886.882	39.61
	L0004734	VOLUME	402296.055	3753886.894	39.70
LOCATION		VOLUME	402304.645	3753886.907	39.77
LOCATION		VOLUME	402313.235	3753886.919	39.85
	L0004737	VOLUME	402321.825	3753886.932	40.05
LOCATION		VOLUME	402330.415	3753886.945	40.26
	L0004739	VOLUME	402339.005	3753886.957	40.46
	L0004740	VOLUME	402347.595	3753886.970	40.64
LOCATION		VOLUME	402356.185	3753886.982	40.82
	L0004742	VOLUME	402364.775	3753886.995	41.00
LOCATION	ь0004743	VOLUME	402373.365	3753887.008	41.11

T 0 0 3 11 T 0 3 T	T 0 0 0 4 7 4 4	1101 11141	400201 055	2752007 000	41 00
LOCATION		VOLUME	402381.955	3753887.020	
LOCATION		VOLUME	402390.545	3753887.033	41.34
LOCATION		VOLUME	402399.135	3753887.045	41.52
LOCATION		VOLUME	402407.725	3753887.058	41.70
LOCATION		VOLUME	402416.315	3753887.070	41.88
LOCATION		VOLUME	402424.905	3753887.083	41.94
LOCATION		VOLUME	402433.495	3753887.096	42.00
LOCATION		VOLUME	402442.085	3753887.108	42.05
LOCATION		VOLUME	402450.675	3753887.121	42.02
LOCATION		VOLUME	402459.068	3753886.295	41.98
LOCATION		VOLUME	402465.723	3753881.453	41.89
LOCATION		VOLUME	402467.879	3753873.259	41.78
LOCATION	L0004756	VOLUME	402468.779	3753864.716	
LOCATION	L0004757	VOLUME	402468.886	3753856.131	41.67
LOCATION	L0004758	VOLUME	402468.899	3753847.541	41.65
LOCATION	L0004759	VOLUME	402468.911	3753838.951	41.63
LOCATION	L0004760	VOLUME	402468.924	3753830.361	41.61
LOCATION	L0004761	VOLUME	402468.936	3753821.771	41.59
LOCATION	L0004762	VOLUME	402468.949	3753813.181	41.57
LOCATION	L0004763	VOLUME	402468.961	3753804.591	41.56
LOCATION	L0004764	VOLUME	402468.974	3753796.001	41.53
LOCATION	L0004765	VOLUME	402468.987	3753787.411	41.51
LOCATION	L0004766	VOLUME	402468.999	3753778.821	41.49
LOCATION	L0004767	VOLUME	402469.012	3753770.231	41.46
LOCATION	L0004768	VOLUME	402469.024	3753761.641	41.41
LOCATION	L0004769	VOLUME	402469.037	3753753.051	41.37
LOCATION	L0004770	VOLUME	402469.049	3753744.461	41.32
LOCATION	L0004771	VOLUME	402469.062	3753735.871	41.27
LOCATION		VOLUME	402469.075	3753727.281	41.21
LOCATION		VOLUME	402469.087	3753718.691	41.15
LOCATION		VOLUME	402469.100	3753710.101	41.09
LOCATION		VOLUME	402469.112	3753701.511	41.02
LOCATION		VOLUME	402469.125	3753692.921	40.95
LOCATION		VOLUME	402469.137	3753684.331	40.87
LOCATION		VOLUME	402469.150	3753675.741	40.79
LOCATION		VOLUME	402469.162	3753667.151	40.71
LOCATION		VOLUME	402469.175	3753658.561	40.63
LOCATION		VOLUME	402469.188	3753649.971	40.54
LOCATION		VOLUME	402469.200	3753641.381	40.44
LOCATION		VOLUME	402469.213	3753632.791	40.35
LOCATION		VOLUME	402469.225	3753624.201	40.25
LOCATION		VOLUME	402469.238	3753615.611	40.14
LOCATION		VOLUME	402469.250	3753607.022	40.14
LOCATION		VOLUME	402469.263	3753507.022	39.90
LOCATION		VOLUME	402469.263	3753596.432	39.77
LOCATION		VOLUME	402469.288	3753581.252	39.65
LOCATION		VOLUME	402469.301	3753572.662	39.52
LOCATION		VOLUME	402469.313	3753564.072	39.39
LOCATION		VOLUME	402469.326	3753555.482	39.26
LOCATION		VOLUME	402469.338	3753546.892	39.13
LOCATION	L0004794	VOLUME	402469.351	3753538.302	39.00

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LOCATION L0004795
                       VOLUME 402469.363 3753529.712 38.86
                       VOLUME 402469.376 3753521.122 38.68
  LOCATION L0004796
  LOCATION L0004797
                       VOLUME 402469.389 3753512.532 38.44
  LOCATION L0004798
                       VOLUME 402469.401 3753503.942 38.21
  LOCATION L0004799
                       VOLUME 402469.414 3753495.352 37.97
** End of LINE VOLUME Source ID = SLINE3
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE4
** DESCRSRC East and West along Imperial Hwy
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.49E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 11
** 400848.182, 3753485.189, 32.92, 3.49, 4.00
** 402283.719, 3753490.834, 38.43, 3.49, 4.00
** 402346.407, 3753491.861, 38.47, 3.49, 4.00
** 402396.958, 3753489.682, 38.26, 3.49, 4.00
** 402437.050, 3753484.017, 38.30, 3.49, 4.00
** 402467.555, 3753478.788, 37.73, 3.49, 4.00
** 402515.492, 3753472.687, 37.07, 3.49, 4.00
** 402551.226, 3753467.457, 36.74, 3.49, 4.00
** 402601.341, 3753464.407, 36.17, 3.49, 4.00
** 402672.374, 3753465.278, 34.44, 3.49, 4.00
** 403260.685, 3753470.508, 30.75, 3.49, 4.00
** ______
  LOCATION L0004800
                       VOLUME 400852.477 3753485.206 32.91
  LOCATION L0004801
                       VOLUME 400861.067 3753485.240 32.88
  LOCATION L0004802
                       VOLUME
                               400869.657 3753485.274 32.86
  LOCATION L0004803
                       VOLUME
                               400878.247 3753485.307 32.83
  LOCATION L0004804
                       VOLUME
                               400886.837 3753485.341 32.79
                               400895.427 3753485.375 32.75
  LOCATION L0004805
                       VOLUME
  LOCATION L0004806
                       VOLUME
                               400904.017 3753485.409 32.76
  LOCATION L0004807
                       VOLUME
                               400912.607 3753485.442 32.79
  LOCATION L0004808
                       VOLUME
                               400921.197 3753485.476 32.81
  LOCATION L0004809
                       VOLUME
                               400929.787 3753485.510 32.81
  LOCATION L0004810
                       VOLUME
                               400938.377 3753485.544 32.81
                       VOLUME
                              400946.967 3753485.578 32.80
  LOCATION L0004811
  LOCATION L0004812
                       VOLUME
                               400955.556 3753485.611 32.81
                       VOLUME
                               400964.146 3753485.645 32.82
  LOCATION L0004813
  LOCATION L0004814
                       VOLUME
                               400972.736 3753485.679 32.83
  LOCATION L0004815
                       VOLUME
                               400981.326 3753485.713 32.81
                               400989.916 3753485.746 32.77
  LOCATION L0004816
                       VOLUME
  LOCATION L0004817
                       VOLUME
                               400998.506 3753485.780 32.73
  LOCATION L0004818
                       VOLUME
                               401007.096 3753485.814 32.70
  LOCATION L0004819
                       VOLUME
                               401015.686 3753485.848 32.68
  LOCATION L0004820
                       VOLUME 401024.276 3753485.882 32.66
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LOCATION	L0004821	VOLUME	401032.866	3753485.915	32.67
LOCATION	L0004822	VOLUME	401041.456	3753485.949	32.68
LOCATION	L0004823	VOLUME	401050.046	3753485.983	32.70
LOCATION	L0004824	VOLUME	401058.636	3753486.017	32.71
LOCATION	L0004825	VOLUME	401067.226	3753486.050	32.71
LOCATION	L0004826	VOLUME	401075.816	3753486.084	32.72
LOCATION	L0004827	VOLUME	401084.405	3753486.118	32.69
LOCATION	L0004828	VOLUME	401092.995	3753486.152	32.64
LOCATION	L0004829	VOLUME	401101.585	3753486.186	32.60
LOCATION	L0004830	VOLUME	401110.175	3753486.219	32.56
LOCATION	L0004831	VOLUME	401118.765	3753486.253	32.52
LOCATION	L0004832	VOLUME	401127.355	3753486.287	32.48
LOCATION	L0004833	VOLUME	401135.945	3753486.321	32.50
LOCATION	L0004834	VOLUME	401144.535	3753486.354	32.54
LOCATION	L0004835	VOLUME	401153.125	3753486.388	32.58
LOCATION	L0004836	VOLUME	401161.715	3753486.422	32.54
LOCATION	L0004837	VOLUME	401170.305	3753486.456	32.50
LOCATION	L0004838	VOLUME	401178.895	3753486.490	32.45
LOCATION	L0004839	VOLUME	401187.485	3753486.523	32.40
LOCATION	L0004840	VOLUME	401196.075	3753486.557	32.36
LOCATION	L0004841	VOLUME	401204.665	3753486.591	32.31
LOCATION	L0004842	VOLUME	401213.254	3753486.625	32.32
LOCATION	L0004843	VOLUME	401221.844	3753486.658	32.34
LOCATION	L0004844	VOLUME	401230.434	3753486.692	32.36
LOCATION	L0004845	VOLUME	401239.024	3753486.726	32.31
LOCATION	L0004846	VOLUME	401247.614	3753486.760	32.26
LOCATION	L0004847	VOLUME	401256.204	3753486.793	32.20
LOCATION	L0004848	VOLUME	401264.794	3753486.827	32.25
LOCATION	L0004849	VOLUME	401273.384	3753486.861	32.31
LOCATION	L0004850	VOLUME	401281.974	3753486.895	32.37
LOCATION	L0004851	VOLUME	401290.564	3753486.929	32.37
LOCATION	L0004852	VOLUME	401299.154	3753486.962	32.36
LOCATION	L0004853	VOLUME	401307.744	3753486.996	32.35
LOCATION	L0004854	VOLUME	401316.334	3753487.030	32.32
LOCATION	L0004855	VOLUME	401324.924	3753487.064	32.30
LOCATION	L0004856	VOLUME	401333.514	3753487.097	32.27
LOCATION	L0004857	VOLUME	401342.103	3753487.131	32.24
LOCATION	L0004858	VOLUME	401350.693	3753487.165	32.21
LOCATION	L0004859	VOLUME	401359.283	3753487.199	32.18
LOCATION	L0004860	VOLUME	401367.873	3753487.233	32.16
LOCATION	L0004861	VOLUME	401376.463	3753487.266	32.13
LOCATION	L0004862	VOLUME	401385.053	3753487.300	32.11
LOCATION	L0004863	VOLUME	401393.643	3753487.334	32.16
LOCATION	L0004864	VOLUME	401402.233	3753487.368	32.22
LOCATION	L0004865	VOLUME	401410.823	3753487.401	32.27
LOCATION	L0004866	VOLUME	401419.413	3753487.435	32.40
LOCATION	L0004867	VOLUME	401428.003	3753487.469	32.53
LOCATION	L0004868	VOLUME	401436.593	3753487.503	32.66
LOCATION	L0004869	VOLUME	401445.183	3753487.537	32.82
	L0004870	VOLUME		3753487.570	32.99
LOCATION	L0004871	VOLUME	401462.363	3753487.604	33.16

LOCATION	L0004872	VOLUME	401470.952	3753487.638	33.25
LOCATION	L0004873	VOLUME	401479.542	3753487.672	33.35
LOCATION	L0004874	VOLUME	401488.132	3753487.705	33.44
LOCATION	L0004875	VOLUME	401496.722	3753487.739	33.48
LOCATION	L0004876	VOLUME	401505.312	3753487.773	33.51
LOCATION	L0004877	VOLUME	401513.902	3753487.807	33.54
LOCATION	L0004878	VOLUME	401522.492	3753487.840	33.60
LOCATION	L0004879	VOLUME	401531.082	3753487.874	33.65
LOCATION	L0004880	VOLUME	401539.672	3753487.908	33.71
LOCATION	L0004881	VOLUME	401548.262	3753487.942	33.76
LOCATION	L0004882	VOLUME	401556.852	3753487.976	33.81
LOCATION	L0004883	VOLUME	401565.442	3753488.009	33.87
LOCATION	L0004884	VOLUME	401574.032	3753488.043	33.98
LOCATION	L0004885	VOLUME	401582.622	3753488.077	34.09
LOCATION	L0004886	VOLUME	401591.212	3753488.111	34.20
LOCATION	L0004887	VOLUME	401599.801	3753488.144	34.28
LOCATION	L0004888	VOLUME	401608.391	3753488.178	34.37
LOCATION	L0004889	VOLUME	401616.981	3753488.212	34.45
LOCATION	L0004890	VOLUME	401625.571	3753488.246	34.52
LOCATION	L0004891	VOLUME	401634.161	3753488.280	34.58
LOCATION	L0004892	VOLUME	401642.751	3753488.313	34.64
LOCATION	L0004893	VOLUME	401651.341	3753488.347	34.66
LOCATION	L0004894	VOLUME	401659.931	3753488.381	34.68
LOCATION	L0004895	VOLUME	401668.521	3753488.415	34.70
LOCATION	L0004896	VOLUME	401677.111	3753488.448	34.68
LOCATION	L0004897	VOLUME	401685.701	3753488.482	34.67
	L0004898	VOLUME	401694.291	3753488.516	34.66
LOCATION	L0004899	VOLUME	401702.881	3753488.550	34.64
LOCATION	L0004900	VOLUME	401711.471	3753488.584	34.62
LOCATION		VOLUME	401720.061	3753488.617	34.60
	L0004902	VOLUME	401728.650	3753488.651	34.64
LOCATION		VOLUME	401737.240	3753488.685	34.68
LOCATION		VOLUME	401745.830	3753488.719	34.72
LOCATION		VOLUME	401754.420		34.71
LOCATION		VOLUME	401763.010	3753488.786	34.70
	L0004907	VOLUME	401771.600	3753488.820	34.68
LOCATION		VOLUME	401780.190	3753488.854	34.63
	L0004909	VOLUME	401788.780	3753488.887	34.57
	L0004910	VOLUME	401797.370	3753488.921	34.51
LOCATION		VOLUME	401805.960	3753488.955	34.41
	L0004912	VOLUME	401814.550	3753488.989	34.32
	L0004913	VOLUME	401823.140	3753489.023	34.22
	L0004914	VOLUME	401831.730	3753489.056	34.10
LOCATION		VOLUME	401840.320	3753489.090	33.97
LOCATION		VOLUME	401848.910	3753489.124	33.86
	L0004917	VOLUME	401857.499	3753489.158	33.79
	L0004918	VOLUME	401866.089	3753489.191	33.72
	L0004919	VOLUME	401874.679	3753489.225	33.64
LOCATION		VOLUME	401883.269	3753489.259	33.49
LOCATION		VOLUME	401891.859	3753489.293	33.35
LOCATION	ь0004922	VOLUME	401900.449	3753489.327	33.19

LOCATION	L0004923	VOLUME	401909.039	3753489.360	33.02
LOCATION	L0004924	VOLUME	401917.629	3753489.394	32.85
LOCATION	L0004925	VOLUME	401926.219	3753489.428	32.78
LOCATION	L0004926	VOLUME	401934.809	3753489.462	33.10
LOCATION	L0004927	VOLUME	401943.399	3753489.495	33.42
LOCATION	L0004928	VOLUME	401951.989	3753489.529	33.63
LOCATION	L0004929	VOLUME	401960.579	3753489.563	33.38
LOCATION	L0004930	VOLUME	401969.169	3753489.597	33.12
LOCATION	L0004931	VOLUME	401977.759	3753489.631	32.95
LOCATION	L0004932	VOLUME	401986.348	3753489.664	33.11
LOCATION	L0004933	VOLUME	401994.938	3753489.698	33.27
LOCATION	L0004934	VOLUME	402003.528	3753489.732	33.45
LOCATION	L0004935	VOLUME	402012.118	3753489.766	33.70
LOCATION	L0004936	VOLUME	402020.708	3753489.799	33.94
LOCATION	L0004937	VOLUME	402029.298	3753489.833	34.17
LOCATION	L0004938	VOLUME	402037.888	3753489.867	34.40
	L0004939	VOLUME	402046.478	3753489.901	34.61
	L0004940	VOLUME	402055.068	3753489.934	34.73
	L0004941	VOLUME	402063.658	3753489.968	34.58
	L0004942	VOLUME	402072.248	3753490.002	34.42
	L0004943	VOLUME	402080.838	3753490.036	34.42
LOCATION	L0004944	VOLUME	402089.428	3753490.070	34.88
	L0004945	VOLUME	402098.018	3753490.103	35.35
	L0004946	VOLUME	402106.608	3753490.137	35.73
	L0004947	VOLUME	402115.197	3753490.171	35.86
	L0004948	VOLUME	402123.787	3753490.205	35.99
	L0004949	VOLUME	402132.377	3753490.238	36.15
	L0004950	VOLUME	402140.967	3753490.272	36.38
	L0004951	VOLUME	402149.557	3753490.306	36.61
	L0004952	VOLUME	402158.147	3753490.340	36.79
	L0004953	VOLUME	402166.737	3753490.374	36.85
	L0004954	VOLUME	402175.327	3753490.407	36.92
	L0004955	VOLUME	402183.917	3753490.441	37.01
	L0004956	VOLUME	402192.507	3753490.475	37.17
	L0004957	VOLUME	402201.097	3753490.509	37.34
	L0004958	VOLUME	402209.687	3753490.542	37.47
	L0004959	VOLUME	402218.277	3753490.576	37.53
	L0004960	VOLUME	402226.867	3753490.610	37.59
	L0004961	VOLUME	402235.457	3753490.644	37.70
	L0004962	VOLUME	402244.046	3753490.678	37.70
	L0004963	VOLUME	402252.636	3753490.711	38.14
	L0004964	VOLUME	402261.226	3753490.745	38.30
	L0004965	VOLUME	402269.816	3753490.779	38.33
	L0004966	VOLUME	402278.406	3753490.779	38.36
	L0004967	VOLUME	402286.996	3753490.813	38.38
	L0004967	VOLUME	402295.585	3753490.887	38.40
	L0004969	VOLUME	402304.173	3753491.028	38.41
	L0004909	VOLUME	402312.762	3753491.109	38.42
	L0004970 L0004971	VOLUME	402312.762	3753491.310	38.43
	L0004971 L0004972	VOLUME	402321.351	3753491.450	38.43
	L0004972	VOLUME	402329.940	3753491.591	
LOCALION	ш00049/3	AOTOME	402330.329	3133471.134	30.44

LOCATION	L0004974	VOLUME		3753491.830	38.45
LOCATION	L0004975	VOLUME	402355.699	3753491.461	38.46
LOCATION	L0004976	VOLUME	402364.281	3753491.091	38.45
LOCATION	L0004977	VOLUME	402372.863	3753490.721	38.40
LOCATION	L0004978	VOLUME	402381.445	3753490.351	38.36
LOCATION	L0004979	VOLUME	402390.027	3753489.981	38.35
LOCATION	L0004980	VOLUME	402398.595	3753489.451	38.40
LOCATION	L0004981	VOLUME	402407.100	3753488.249	38.42
LOCATION	L0004982	VOLUME	402415.606	3753487.047	38.42
LOCATION	L0004983	VOLUME	402424.111	3753485.845	38.36
LOCATION	L0004984	VOLUME	402432.617	3753484.643	38.30
LOCATION	L0004985	VOLUME	402441.103	3753483.322	38.20
LOCATION	L0004986	VOLUME	402449.570	3753481.871	38.03
LOCATION	L0004987	VOLUME	402458.036	3753480.419	37.88
LOCATION	L0004988	VOLUME	402466.503	3753478.968	37.74
LOCATION	L0004989	VOLUME	402475.017	3753477.838	37.64
LOCATION	L0004990	VOLUME	402483.539	3753476.753	37.54
LOCATION	L0004991	VOLUME	402492.060	3753475.669	37.45
LOCATION	L0004992	VOLUME	402500.581	3753474.584	37.37
LOCATION	L0004993	VOLUME	402509.102	3753473.500	37.28
LOCATION	L0004994	VOLUME	402517.618	3753472.375	37.20
LOCATION	L0004995	VOLUME	402526.118	3753471.132	37.12
LOCATION	L0004996	VOLUME	402534.617	3753469.888	37.02
	L0004997	VOLUME	402543.117	3753468.644	36.90
	L0004998	VOLUME	402551.620	3753467.433	36.76
	L0004999	VOLUME		3753466.911	36.64
	L0005000	VOLUME	402568.768	3753466.389	36.52
	L0005001	VOLUME	402577.342	3753465.867	36.39
	L0005002	VOLUME	402585.916	3753465.346	36.26
	L0005003	VOLUME	402594.490	3753464.824	36.11
	L0005004	VOLUME	402603.067	3753464.428	35.93
	L0005005	VOLUME	402611.657	3753464.533	35.80
	L0005006	VOLUME	402620.246	3753464.639	35.65
	L0005007	VOLUME	402628.835	3753464.744	35.47
	L0005008	VOLUME	402637.425	3753464.849	35.29
LOCATION	L0005009	VOLUME	402646.014	3753464.955	35.11
	L0005010	VOLUME	402654.603	3753465.060	34.94
	L0005011	VOLUME	402663.193	3753465.166	34.76
	L0005012	VOLUME	402671.782	3753465.271	34.59
	L0005013	VOLUME	402680.372	3753465.349	34.41
	L0005014	VOLUME	402688.962	3753465.426	34.24
	L0005015	VOLUME	402697.551	3753465.502	34.04
	L0005016	VOLUME	402706.141	3753465.578	33.78
	L0005017	VOLUME	402714.730	3753465.655	33.52
	L0005018	VOLUME	402723.320	3753465.731	33.29
	L0005019	VOLUME	402731.910	3753465.807	33.12
	L0005020	VOLUME	402740.499	3753465.884	32.96
	L0005021	VOLUME	402749.089	3753465.960	32.80
	L0005021	VOLUME	402757.679	3753466.036	32.63
	L0005022	VOLUME	402766.268	3753466.113	32.46
	L0005023	VOLUME		3753466.189	32.31
				33 100 . 103	

LOCATION	L0005025	VOLUME	402783.448	3753466.265	32.17
LOCATION	L0005026	VOLUME	402792.037	3753466.342	32.04
LOCATION	L0005027	VOLUME	402800.627	3753466.418	31.90
LOCATION	L0005028	VOLUME	402809.217	3753466.495	31.75
LOCATION	L0005029	VOLUME	402817.806	3753466.571	31.59
LOCATION	L0005030	VOLUME	402826.396	3753466.647	31.45
LOCATION	L0005031	VOLUME	402834.986	3753466.724	31.31
LOCATION	L0005032	VOLUME	402843.575	3753466.800	31.17
LOCATION	L0005033	VOLUME	402852.165	3753466.876	31.07
LOCATION	L0005034	VOLUME	402860.755	3753466.953	31.03
LOCATION	L0005035	VOLUME	402869.344	3753467.029	30.99
LOCATION	L0005036	VOLUME	402877.934	3753467.105	30.97
LOCATION	L0005037	VOLUME	402886.524	3753467.182	30.96
LOCATION	L0005038	VOLUME	402895.113	3753467.258	30.95
LOCATION	L0005039	VOLUME	402903.703	3753467.334	30.94
LOCATION	L0005040	VOLUME	402912.293	3753467.411	30.93
LOCATION	L0005041	VOLUME	402920.882	3753467.487	30.92
LOCATION	L0005042	VOLUME	402929.472	3753467.563	30.91
LOCATION	L0005043	VOLUME	402938.062	3753467.640	30.90
LOCATION	L0005044	VOLUME	402946.651	3753467.716	30.89
LOCATION	L0005045	VOLUME	402955.241	3753467.793	30.83
LOCATION	L0005046	VOLUME	402963.831	3753467.869	30.70
LOCATION	L0005047	VOLUME	402972.420	3753467.945	30.58
LOCATION	L0005048	VOLUME	402981.010	3753468.022	30.50
LOCATION	L0005049	VOLUME	402989.600	3753468.098	30.49
LOCATION	L0005050	VOLUME	402998.189	3753468.174	30.47
LOCATION	L0005051	VOLUME	403006.779	3753468.251	30.47
LOCATION	L0005052	VOLUME	403015.369	3753468.327	30.46
LOCATION	L0005053	VOLUME	403023.958	3753468.403	30.46
LOCATION	L0005054	VOLUME	403032.548	3753468.480	30.46
LOCATION	L0005055	VOLUME	403041.138	3753468.556	30.46
LOCATION	L0005056	VOLUME	403049.727	3753468.632	30.46
LOCATION	L0005057	VOLUME	403058.317	3753468.709	30.45
LOCATION	L0005058	VOLUME	403066.907	3753468.785	30.43
LOCATION	L0005059	VOLUME	403075.496	3753468.861	30.42
LOCATION	L0005060	VOLUME	403084.086	3753468.938	30.41
LOCATION	L0005061	VOLUME	403092.676	3753469.014	30.41
LOCATION	L0005062	VOLUME	403101.265	3753469.091	30.41
LOCATION	L0005063	VOLUME	403109.855	3753469.167	30.41
LOCATION	L0005064	VOLUME	403118.445	3753469.243	30.41
LOCATION	L0005065	VOLUME	403127.034	3753469.320	30.41
LOCATION	L0005066	VOLUME	403135.624	3753469.396	30.41
LOCATION	L0005067	VOLUME	403144.214	3753469.472	30.40
LOCATION	L0005068	VOLUME	403152.803	3753469.549	30.40
LOCATION	L0005069	VOLUME	403161.393	3753469.625	30.42
LOCATION	L0005070	VOLUME	403169.983	3753469.701	30.46
LOCATION	L0005071	VOLUME	403178.572	3753469.778	30.50
LOCATION	L0005072	VOLUME	403187.162	3753469.854	30.49
LOCATION	L0005073	VOLUME	403195.751	3753469.930	30.43
	L0005074	VOLUME	403204.341	3753470.007	30.38
LOCATION	L0005075	VOLUME	403212.931	3753470.083	30.34

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LOCATION L0005076
                       VOLUME 403221.520 3753470.159 30.34
                       VOLUME 403230.110 3753470.236 30.33
  LOCATION L0005077
  LOCATION L0005078
                       VOLUME 403238.700 3753470.312 30.35
  LOCATION L0005079
                       VOLUME 403247.289 3753470.389 30.40
  LOCATION L0005080
                       VOLUME 403255.879 3753470.465 30.46
** End of LINE VOLUME Source ID = SLINE4
** ______
** Line Source Represented by Adjacent Volume Sources
** LINE VOLUME Source ID = SLINE5
** DESCRSRC East and West along Florence Avenue
** PREFIX
** Length of Side = 8.59
** Configuration = Adjacent
** Emission Rate = 1.51E-06
** Elevated
** Vertical Dimension = 6.99
** SZINIT = 1.62
** Nodes = 25
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** 401462.626, 3755482.255, 42.98, 3.49, 4.00
** 401517.004, 3755489.053, 42.88, 3.49, 4.00
** 401621.683, 3755491.772, 44.00, 3.49, 4.00
** 401797.053, 3755483.615, 46.63, 3.49, 4.00
** 401932.999, 3755479.537, 45.97, 3.49, 4.00
** 402134.199, 3755475.458, 46.07, 3.49, 4.00
** 402299.682, 3755469.974, 47.69, 3.49, 4.00
** 402367.362, 3755468.949, 47.96, 3.49, 4.00
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** 402477.086, 3755467.410, 48.57, 3.49, 4.00
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** 402545.792, 3755479.716, 48.92, 3.49, 4.00
** 402592.450, 3755490.996, 48.92, 3.49, 4.00
** 402652.952, 3755503.814, 49.03, 3.49, 4.00
** 402719.094, 3755509.967, 49.51, 3.49, 4.00
** 402763.702, 3755510.480, 49.74, 3.49, 4.00
** 402838.047, 3755510.480, 50.18, 3.49, 4.00
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** 403167.732, 3755555.600, 51.49, 3.49, 4.00
** 403282.117, 3755585.943, 49.97, 3.49, 4.00
  LOCATION L0005081
                       VOLUME 400847.008 3755482.255 41.80
  LOCATION L0005082
                       VOLUME 400855.598 3755482.255 41.69
  LOCATION L0005083
                       VOLUME
                                400864.188 3755482.255 41.58
  LOCATION L0005084
                       VOLUME
                                400872.778 3755482.255 41.65
  LOCATION L0005085
                       VOLUME
                                400881.368 3755482.255 41.79
  LOCATION L0005086
                        VOLUME
                               400889.958 3755482.255 41.93
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VOLUME 400898.548 3755482.255 41.99

LOCATION L0005087

LOCATION	L0005088	VOLUME	400907.138	3755482.255	42.02
LOCATION	L0005089	VOLUME	400915.728	3755482.255	42.05
LOCATION	L0005090	VOLUME	400924.318	3755482.255	42.06
LOCATION	L0005091	VOLUME	400932.908	3755482.255	42.05
LOCATION	L0005092	VOLUME	400941.498	3755482.255	42.05
LOCATION	L0005093	VOLUME	400950.088	3755482.255	42.18
LOCATION	L0005094	VOLUME	400958.678	3755482.255	42.35
LOCATION	L0005095	VOLUME	400967.268	3755482.255	42.52
LOCATION	L0005096	VOLUME	400975.858	3755482.255	42.58
LOCATION	L0005097	VOLUME	400984.448	3755482.255	42.61
LOCATION	L0005098	VOLUME	400993.038	3755482.255	42.63
LOCATION	L0005099	VOLUME	401001.628	3755482.255	42.66
LOCATION	L0005100	VOLUME	401010.218	3755482.255	42.69
LOCATION	L0005101	VOLUME	401018.808	3755482.255	42.72
LOCATION	L0005102	VOLUME	401027.398	3755482.255	42.72
LOCATION	L0005103	VOLUME	401035.988	3755482.255	42.71
	L0005104	VOLUME	401044.578	3755482.255	42.70
	L0005105	VOLUME	401053.168	3755482.255	42.70
	L0005106	VOLUME	401061.758	3755482.255	42.70
	L0005107	VOLUME	401070.348	3755482.255	42.71
	L0005108	VOLUME	401078.938	3755482.255	42.74
LOCATION	L0005109	VOLUME	401087.528	3755482.255	42.79
	L0005110	VOLUME	401096.118	3755482.255	42.83
	L0005111	VOLUME	401104.708	3755482.255	42.91
	L0005112	VOLUME	401113.298	3755482.255	43.01
	L0005113	VOLUME	401121.888	3755482.255	43.10
	L0005114	VOLUME	401130.478	3755482.255	43.07
	L0005115	VOLUME	401139.068	3755482.255	43.02
	L0005116	VOLUME	401147.658	3755482.255	42.97
	L0005117	VOLUME	401156.248	3755482.255	42.94
	L0005118	VOLUME	401164.838	3755482.255	42.92
	L0005119	VOLUME	401173.428	3755482.255	42.90
	L0005120	VOLUME	401182.018	3755482.255	42.92
	L0005121	VOLUME	401190.608	3755482.255	42.95
	L0005122	VOLUME	401199.198	3755482.255	42.97
	L0005123	VOLUME	401207.788	3755482.255	43.01
	L0005124	VOLUME	401216.378	3755482.255	43.04
	L0005121	VOLUME	401224.968	3755482.255	43.07
	L0005126	VOLUME	401233.558	3755482.255	43.04
	L0005127	VOLUME	401242.148	3755482.255	43.00
	L0005127	VOLUME	401250.738	3755482.255	42.95
	L0005120	VOLUME	401259.328	3755482.255	42.99
	L0005125	VOLUME	401267.918	3755482.255	43.04
	L0005130	VOLUME	401276.508	3755482.255	43.09
	L0005131	VOLUME	401285.098	3755482.255	43.14
	L0005132	VOLUME	401293.688	3755482.255	43.14
	L0005133	VOLUME	401302.278	3755482.255	43.19
	L0005134	VOLUME	401302.278	3755482.255	43.29
	L0005135	VOLUME	401310.868	3755482.255	43.29
	L0005136	VOLUME	401319.458	3755482.255	43.33
	L0005137	VOLUME		3755482.255	
LOCALION	полотоо	AOTOME	401330.038	3133404.255	13.4/

LOCATION	L0005139	VOLUME	401345.228	3755482.255	43.15
LOCATION	L0005140	VOLUME	401353.818	3755482.255	43.04
LOCATION	L0005141	VOLUME	401362.408	3755482.255	43.01
LOCATION	L0005142	VOLUME	401370.998	3755482.255	42.98
LOCATION	L0005143	VOLUME	401379.588	3755482.255	42.95
LOCATION	L0005144	VOLUME	401388.178	3755482.255	42.92
LOCATION	L0005145	VOLUME	401396.768	3755482.255	42.88
LOCATION	L0005146	VOLUME	401405.358	3755482.255	42.85
LOCATION	L0005147	VOLUME	401413.948	3755482.255	42.84
LOCATION	L0005148	VOLUME	401422.538	3755482.255	42.84
LOCATION	L0005149	VOLUME	401431.128	3755482.255	42.83
LOCATION	L0005150	VOLUME	401439.718	3755482.255	42.90
LOCATION	L0005151	VOLUME	401448.308	3755482.255	42.97
LOCATION	L0005152	VOLUME	401456.898	3755482.255	43.04
LOCATION	L0005153	VOLUME	401465.466	3755482.610	42.93
LOCATION	L0005154	VOLUME	401473.989	3755483.676	42.82
LOCATION	L0005155	VOLUME	401482.513	3755484.741	42.72
LOCATION	L0005156	VOLUME	401491.037	3755485.807	42.79
LOCATION	L0005157	VOLUME	401499.560	3755486.872	42.86
LOCATION	L0005158	VOLUME	401508.084	3755487.938	42.93
LOCATION	L0005159	VOLUME	401516.608	3755489.003	42.98
LOCATION	L0005160	VOLUME	401525.192	3755489.265	43.02
LOCATION	L0005161	VOLUME	401533.779	3755489.488	43.06
LOCATION	L0005162	VOLUME	401542.366	3755489.711	43.15
LOCATION	L0005163	VOLUME	401550.953	3755489.935	43.25
LOCATION	L0005164	VOLUME	401559.540	3755490.158	43.35
LOCATION	L0005165	VOLUME	401568.127	3755490.381	43.50
LOCATION	L0005166	VOLUME	401576.714	3755490.604	43.66
LOCATION	L0005167	VOLUME	401585.301	3755490.827	43.81
LOCATION	L0005168	VOLUME	401593.889	3755491.050	43.93
LOCATION	L0005169	VOLUME	401602.476	3755491.273	44.04
LOCATION	L0005170	VOLUME	401611.063	3755491.496	44.16
LOCATION	L0005171	VOLUME	401619.650	3755491.719	44.19
LOCATION	L0005172	VOLUME	401628.232	3755491.467	44.21
LOCATION	L0005173	VOLUME	401636.813	3755491.068	44.24
LOCATION	L0005174	VOLUME	401645.393	3755490.669	44.23
LOCATION	L0005175	VOLUME	401653.974	3755490.270	44.23
LOCATION	L0005176	VOLUME	401662.555	3755489.871	44.22
LOCATION	L0005177	VOLUME	401671.136	3755489.472	44.39
LOCATION	L0005178	VOLUME	401679.716	3755489.072	44.56
LOCATION	L0005179	VOLUME	401688.297	3755488.673	44.74
LOCATION	L0005180	VOLUME	401696.878	3755488.274	44.95
	L0005181	VOLUME	401705.459	3755487.875	45.17
	L0005182	VOLUME	401714.039	3755487.476	45.40
	L0005183	VOLUME	401722.620	3755487.077	45.44
	L0005184	VOLUME	401731.201	3755486.678	45.48
	L0005185	VOLUME	401739.781	3755486.279	45.53
	L0005186	VOLUME	401748.362	3755485.880	45.53
	L0005187	VOLUME	401756.943	3755485.480	45.53
	L0005188	VOLUME		3755485.081	
	L0005189	VOLUME		3755484.682	
	· 				

LOCATION	L0005190	VOLUME	401782.685	3755484.283	45.53
LOCATION	L0005191	VOLUME	401791.266	3755483.884	45.54
LOCATION	L0005192	VOLUME	401799.848	3755483.531	45.49
LOCATION	L0005193	VOLUME	401808.434	3755483.273	45.44
LOCATION	L0005194	VOLUME	401817.021	3755483.016	45.39
LOCATION	L0005195	VOLUME	401825.607	3755482.758	45.28
LOCATION	L0005196	VOLUME	401834.193	3755482.501	45.17
LOCATION	L0005197	VOLUME	401842.779	3755482.243	45.06
LOCATION	L0005198	VOLUME	401851.365	3755481.986	44.97
LOCATION	L0005199	VOLUME	401859.951	3755481.728	44.87
LOCATION	L0005200	VOLUME	401868.537	3755481.470	44.78
LOCATION	L0005201	VOLUME	401877.124	3755481.213	44.72
LOCATION	L0005202	VOLUME	401885.710	3755480.955	44.66
LOCATION	L0005203	VOLUME	401894.296	3755480.698	44.60
LOCATION	L0005204	VOLUME	401902.882	3755480.440	44.62
LOCATION	L0005205	VOLUME	401911.468	3755480.182	44.64
LOCATION	L0005206	VOLUME	401920.054	3755479.925	44.65
LOCATION	L0005207	VOLUME	401928.640	3755479.667	44.51
LOCATION	L0005208	VOLUME	401937.228	3755479.451	44.36
LOCATION	L0005209	VOLUME	401945.816	3755479.277	44.21
LOCATION	L0005210	VOLUME	401954.404	3755479.103	44.16
LOCATION	L0005211	VOLUME	401962.992	3755478.929	44.10
LOCATION	L0005212	VOLUME	401971.580	3755478.754	44.06
LOCATION	L0005213	VOLUME	401980.169	3755478.580	44.13
LOCATION	L0005214	VOLUME	401988.757	3755478.406	44.21
LOCATION	L0005215	VOLUME	401997.345	3755478.232	44.29
LOCATION	L0005216	VOLUME	402005.933	3755478.058	44.49
LOCATION	L0005217	VOLUME	402014.522	3755477.884	44.69
LOCATION	L0005218	VOLUME	402023.110	3755477.710	44.87
LOCATION	L0005219	VOLUME	402031.698	3755477.536	44.99
LOCATION	L0005220	VOLUME	402040.286	3755477.362	45.11
LOCATION	L0005221	VOLUME	402048.875	3755477.188	45.21
LOCATION	L0005222	VOLUME	402057.463	3755477.014	45.23
LOCATION	L0005223	VOLUME	402066.051	3755476.840	45.25
LOCATION	L0005224	VOLUME	402074.639	3755476.665	45.29
LOCATION	L0005225	VOLUME	402083.228	3755476.491	45.43
LOCATION	L0005226	VOLUME	402091.816	3755476.317	45.56
LOCATION	L0005227	VOLUME	402100.404	3755476.143	45.70
LOCATION	L0005228	VOLUME	402108.992	3755475.969	45.79
LOCATION	L0005229	VOLUME	402117.580	3755475.795	45.88
LOCATION	L0005230	VOLUME	402126.169	3755475.621	45.98
LOCATION	L0005231	VOLUME	402134.757	3755475.440	46.18
LOCATION	L0005232	VOLUME	402143.342	3755475.155	46.37
	L0005233	VOLUME	402151.927	3755474.871	46.55
LOCATION	L0005234	VOLUME	402160.513	3755474.586	46.65
LOCATION	L0005235	VOLUME	402169.098	3755474.302	46.75
LOCATION	L0005236	VOLUME	402177.683	3755474.017	46.87
LOCATION	L0005237	VOLUME	402186.268	3755473.733	47.01
LOCATION	L0005238	VOLUME	402194.854	3755473.448	47.15
LOCATION	L0005239	VOLUME	402203.439		47.28
LOCATION	L0005240	VOLUME	402212.024	3755472.879	47.38

LOCATION	L0005241	VOLUME	402220.610	3755472.594	47.48
LOCATION	L0005242	VOLUME	402229.195	3755472.310	47.57
LOCATION	L0005243	VOLUME	402237.780	3755472.025	47.60
LOCATION	L0005244	VOLUME	402246.365	3755471.741	47.63
LOCATION	L0005245	VOLUME	402254.951	3755471.456	47.65
LOCATION	L0005246	VOLUME	402263.536	3755471.172	47.66
LOCATION	L0005247	VOLUME	402272.121	3755470.887	47.67
LOCATION	L0005248	VOLUME	402280.707	3755470.603	47.68
LOCATION	L0005249	VOLUME	402289.292	3755470.318	47.68
LOCATION	L0005250	VOLUME	402297.877	3755470.034	47.69
LOCATION	L0005251	VOLUME	402306.465	3755469.871	47.72
LOCATION	L0005252	VOLUME	402315.054	3755469.741	47.76
LOCATION	L0005253	VOLUME	402323.643	3755469.611	47.81
LOCATION	L0005254	VOLUME	402332.232	3755469.481	47.85
LOCATION	L0005255	VOLUME	402340.821	3755469.351	47.88
LOCATION	L0005256	VOLUME	402349.410	3755469.221	47.91
	L0005257	VOLUME	402358.000	3755469.090	47.93
	L0005258	VOLUME	402366.589	3755468.960	47.96
	L0005259	VOLUME	402375.178	3755468.846	47.98
	L0005260	VOLUME	402383.767	3755468.733	48.02
	L0005261	VOLUME	402392.356	3755468.620	48.06
LOCATION	L0005262	VOLUME	402400.946	3755468.507	48.11
LOCATION	L0005263	VOLUME	402409.535	3755468.394	48.16
	L0005264	VOLUME	402418.124	3755468.281	48.22
	L0005265	VOLUME	402426.713	3755468.168	
	L0005266	VOLUME	402435.303	3755468.055	48.35
	L0005267	VOLUME	402443.892	3755467.942	
	L0005268	VOLUME	402452.481	3755467.807	48.47
	L0005269	VOLUME	402461.070	3755467.669	48.51
	L0005270	VOLUME	402469.659	3755467.530	48.51
	L0005271	VOLUME	402478.230	3755467.610	48.52
	L0005272	VOLUME	402486.692		
	L0005273	VOLUME		3755470.565	48.60
	L0005274	VOLUME	402503.616	3755472.043	48.68
	L0005275	VOLUME		3755473.542	48.77
	L0005276	VOLUME	402520.524	3755475.089	48.83
	L0005277	VOLUME	402528.973	3755476.636	48.88
	L0005278	VOLUME	402537.423	3755478.184	48.93
	L0005279	VOLUME	402545.871	3755479.735	48.96
	L0005280	VOLUME	402554.221	3755481.754	
	L0005281	VOLUME	402562.570	3755483.772	
	L0005282	VOLUME	402570.920	3755485.791	48.90
	L0005283	VOLUME	402579.269	3755487.809	48.90
	L0005284	VOLUME	402587.619	3755489.828	48.91
	L0005285	VOLUME	402595.991	3755491.746	48.93
	L0005286	VOLUME	402604.394	3755493.526	48.93
	L0005287	VOLUME	402612.798	3755495.307	48.92
	L0005287	VOLUME	402621.201	3755497.087	48.93
	L0005288	VOLUME	402629.605	3755497.067	48.93
	L0005289	VOLUME		3755500.648	48.94
	L0005290	VOLUME		3755500.048	49.04
LOCALION	1000JZJ1	A OTIOITE	102040.412	3,33302.420	19.04

LOCATION	L0005292	VOLUME	402654.848	3755503.991	49.14
LOCATION	L0005293	VOLUME	402663.401	3755504.786	49.22
LOCATION	L0005294	VOLUME	402671.955	3755505.582	49.33
LOCATION	L0005295	VOLUME	402680.508	3755506.377	49.43
LOCATION	L0005296	VOLUME	402689.061	3755507.173	49.51
LOCATION	L0005297	VOLUME	402697.614	3755507.969	49.50
LOCATION	L0005298	VOLUME	402706.167	3755508.764	49.48
LOCATION	L0005299	VOLUME	402714.720	3755509.560	49.47
LOCATION	L0005300	VOLUME	402723.291	3755510.015	49.49
LOCATION	L0005301	VOLUME	402731.880	3755510.114	49.53
LOCATION	L0005302	VOLUME	402740.470	3755510.213	49.56
LOCATION	L0005303	VOLUME	402749.059	3755510.311	49.61
LOCATION	L0005304	VOLUME	402757.648	3755510.410	49.67
LOCATION	L0005305	VOLUME	402766.238	3755510.480	49.73
LOCATION	L0005306	VOLUME	402774.828	3755510.480	49.79
LOCATION	L0005307	VOLUME	402783.418	3755510.480	49.86
LOCATION	L0005308	VOLUME	402792.008	3755510.480	49.93
LOCATION	L0005309	VOLUME	402800.598	3755510.480	49.98
LOCATION	L0005310	VOLUME	402809.188	3755510.480	50.04
LOCATION	L0005311	VOLUME	402817.778	3755510.480	50.09
LOCATION	L0005312	VOLUME	402826.368	3755510.480	50.09
LOCATION	L0005313	VOLUME	402834.958	3755510.480	50.10
LOCATION	L0005314	VOLUME	402843.546	3755510.614	50.10
LOCATION	L0005315	VOLUME	402852.134	3755510.823	50.21
LOCATION	L0005316	VOLUME	402860.721	3755511.033	50.33
LOCATION	L0005317	VOLUME	402869.309	3755511.242	50.44
LOCATION	L0005318	VOLUME	402877.896	3755511.452	50.46
LOCATION	L0005319	VOLUME	402886.484	3755511.661	50.47
LOCATION	L0005320	VOLUME	402895.071	3755511.870	50.49
LOCATION	L0005321	VOLUME	402903.658	3755512.108	50.50
LOCATION	L0005322	VOLUME	402912.242	3755512.411	50.51
LOCATION	L0005323	VOLUME	402920.827	3755512.714	50.53
LOCATION	L0005324	VOLUME	402929.412	3755513.017	50.55
LOCATION	L0005325	VOLUME	402937.996	3755513.320	50.57
LOCATION	L0005326	VOLUME	402946.578	3755513.676	50.59
LOCATION	L0005327	VOLUME	402955.151	3755514.223	50.61
LOCATION	L0005328	VOLUME	402963.723	3755514.771	50.64
LOCATION	L0005329	VOLUME	402972.296	3755515.318	50.65
LOCATION	L0005330	VOLUME	402980.869	3755515.865	50.68
LOCATION	L0005331	VOLUME	402989.441	3755516.412	50.70
LOCATION	L0005332	VOLUME	402997.959	3755517.445	50.71
LOCATION	L0005333	VOLUME	403006.441	3755518.804	50.72
LOCATION	L0005334	VOLUME	403014.923	3755520.164	50.74
LOCATION	L0005335	VOLUME	403023.405	3755521.524	50.76
LOCATION	L0005336	VOLUME	403031.886	3755522.883	50.78
LOCATION	L0005337	VOLUME	403040.368	3755524.243	50.79
LOCATION	L0005338	VOLUME	403048.850	3755525.603	50.80
LOCATION	L0005339	VOLUME	403057.331	3755526.962	50.79
LOCATION	L0005340	VOLUME	403065.737	3755528.710	50.77
LOCATION	L0005341	VOLUME	403074.107	3755530.642	50.74
LOCATION	L0005342	VOLUME	403082.477	3755532.573	50.81

LOCATION L0005344	VOLUME 4030	099.217	3755536.43	6 51.01	
LOCATION L0005345	VOLUME 4031	L07.576	3755538.41	.2 51.13	
LOCATION L0005346	VOLUME 4031	L15.835	3755540.77	2 51.22	
LOCATION L0005347	VOLUME 4031	L24.095	3755543.13	2 51.27	
LOCATION L0005348	VOLUME 4031	L32.354	3755545.49	2 51.31	
LOCATION L0005349	VOLUME 4031	L40.614	3755547.85	2 51.38	
LOCATION L0005350	VOLUME 4031	L48.873	3755550.21	2 51.45	
LOCATION L0005351	VOLUME 4031	L57.133	3755552.57	1 51.49	
LOCATION L0005352	VOLUME 4031	L65.392	3755554.93	1 51.48	
LOCATION L0005353	VOLUME 4031	L73.683	3755557.17	8 51.43	
LOCATION L0005354	VOLUME 4031	L81.986	3755559.38	1 51.36	
LOCATION L0005355	VOLUME 4031	L90.289	3755561.58	3 51.30	
LOCATION L0005356	VOLUME 4031	L98.591	3755563.78	6 51.26	
LOCATION L0005357	VOLUME 4032	206.894	3755565.98	9 51.25	
LOCATION L0005358	VOLUME 4032	215.197	3755568.19	1 51.21	
LOCATION L0005359	VOLUME 4032	223.500	3755570.39	4 51.10	
LOCATION L0005360	VOLUME 4032	231.803	3755572.59	6 50.90	
LOCATION L0005361					
LOCATION L0005362	VOLUME 4032	248.408	3755577.00	1 50.44	
LOCATION L0005363	VOLUME 4032	256.711	3755579.20	4 50.23	
LOCATION L0005364					
LOCATION L0005365					
End of LINE VOLUME	Source ID = SLIM	NE5			
Source Parameters	* *				
		3.500	366.000	51.81600	0.100
					0.100
SRCPARAM STCK3					0.100
					0.100
					0.100
		7 3	3.50 4	00 5.8	31
SRCPARAM L0004453	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004454	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004455	0.0000003797	7 3	3.50 4	00 5.8	31
SRCPARAM L0004456	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004457	0.0000003797	7 3	3.50 4	00 5.8	31
SRCPARAM L0004458	0.0000003797	7 3	3.50 4	00 5.8	31
SRCPARAM L0004459	0.0000003797	7 3	3.50 4	00 5.8	31
SRCPARAM L0004460	0.0000003797	7 3	3.50 4	00 5.8	31
SRCPARAM L0004461	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004462	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004463	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004464	0.0000003797	7 3	3.50 4	.00 5.8	31
SRCPARAM L0004465					
SRCPARAM L0004466	0.0000000373		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
SRCPARAM L0004466 SRCPARAM L0004467	0.00000003797				
		7 3	3.50 4	.00 5.8	31
SRCPARAM L0004467	0.0000003797	7 3 7 3	3.50 4 3.50 4	5.8 5.8	31 31
SRCPARAM L0004467 SRCPARAM L0004468	0.00000003797	7 3 7 3 7 3	3.50 4 3.50 4 3.50 4	.00 5.8	31 31 31
	LOCATION L0005345 LOCATION L0005346 LOCATION L0005347 LOCATION L0005348 LOCATION L0005349 LOCATION L0005350 LOCATION L0005351 LOCATION L0005351 LOCATION L0005353 LOCATION L0005353 LOCATION L0005355 LOCATION L0005355 LOCATION L0005356 LOCATION L0005357 LOCATION L0005357 LOCATION L0005357 LOCATION L0005357 LOCATION L0005361 LOCATION L0005361 LOCATION L0005361 LOCATION L0005361 LOCATION L0005363 LOCATION L0005363 LOCATION L0005365 End of LINE VOLUME SOURCE Parameters SRCPARAM STCK1 SRCPARAM STCK2 SRCPARAM STCK4 SRCPARAM STCK4 SRCPARAM L0004455 SRCPARAM L0004455 SRCPARAM L0004455 SRCPARAM L0004456 SRCPARAM L0004456 SRCPARAM L0004456 SRCPARAM L0004461 SRCPARAM L0004463 SRCPARAM L0004463 SRCPARAM L0004464 SRCPARAM L0004466	LOCATION L0005345	LOCATION LO005344 VOLUME 403099.217 LOCATION LO005345 VOLUME 403107.576 LOCATION LO005346 VOLUME 403115.835 LOCATION LO005347 VOLUME 403124.095 LOCATION LO005348 VOLUME 403132.354 LOCATION LO005349 VOLUME 403140.614 LOCATION LO005350 VOLUME 403148.873 LOCATION LO005351 VOLUME 403157.133 LOCATION L0005352 VOLUME 403165.392 LOCATION L0005353 VOLUME 403165.392 LOCATION L0005354 VOLUME 403165.392 LOCATION L0005355 VOLUME 403190.289 LOCATION L0005355 VOLUME 403190.289 LOCATION L0005356 VOLUME 403190.289 LOCATION L0005357 VOLUME 403198.591 LOCATION L0005358 VOLUME 403206.894 LOCATION L0005358 VOLUME 403223.500 LOCATION L0005359 VOLUME 403223.500 LOCATION L0005360 VOLUME 403223.500 LOCATION L0005361 VOLUME 4032240.105 LOCATION L0005362 VOLUME 4032240.105 LOCATION L0005364 VOLUME 403240.105 LOCATION L0005365 VOLUME 403240.105 LOCATION L0005365 VOLUME 403240.105 LOCATION L0005366 VOLUME 403256.711 LOCATION L0005366 VOLUME 403265.014 LOCATION L0005366 VOLUME 403273.317 LOCATION L0005366 VOLUME 403	LOCATION L0005344 VOLUME 403107.576 3755536.43 LOCATION L0005345 VOLUME 403107.576 3755538.41 LOCATION L0005346 VOLUME 403115.835 3755540.77 LOCATION L0005347 VOLUME 403124.095 3755543.13 LOCATION L0005348 VOLUME 403124.095 3755545.41 LOCATION L0005350 VOLUME 403140.614 3755547.85 LOCATION L0005351 VOLUME 403148.873 3755550.21 LOCATION L0005351 VOLUME 403165.392 375554.93 LOCATION L0005352 VOLUME 403165.392 3755554.93 LOCATION L0005353 VOLUME 403173.683 3755557.17 LOCATION L0005355 VOLUME 403181.986 3755567.17 LOCATION L0005355 VOLUME 403181.986 3755561.58 LOCATION L0005355 VOLUME 403181.986 3755561.58 LOCATION L0005356 VOLUME 403198.591 3755563.78 LOCATION L0005357 VOLUME 403198.591 3755563.78 LOCATION L0005358 VOLUME 403206.894 3755565.98 LOCATION L0005358 VOLUME 403215.197 3755566.98 LOCATION L0005358 VOLUME 403215.197 3755568.19 LOCATION L0005358 VOLUME 403223.500 3755570.39 LOCATION L0005360 VOLUME 403223.500 3755570.39 LOCATION L0005361 VOLUME 403240.105 3755577.00 LOCATION L0005362 VOLUME 403240.105 3755577.00 LOCATION L0005363 VOLUME 403248.408 3755577.00 LOCATION L0005364 VOLUME 403248.408 3755577.00 LOCATION L0005365 VOLUME 403248.408 3755577.00 LOCATION L0005366 VOLUME 403273.317 3755581.40 LOCATION L0005366 VOLUME 403281.620 3755585.81 ENCATION L0005366 VOLUME 403281.620 3755585.81 ENCATION L0005366 VOLUME 403273.317 3755583.60 LOCATION L0005366 VOLUME 403281.620 3755585.81 ENCATION L0005366 VOLUME 403281.620 3755585.81 ENCATION L0005366 VOLUME 403273.317 3755583.60 LOCATION L0005366 VOLUME 4	LOCATION L0005344

SRCPARAM L0004471						
SRCPARAM L0004473	SRCPARAM	L0004471	0.00000003797	3.50	4.00	5.81
SRCPARAM L0004474	SRCPARAM	L0004472	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004475	SRCPARAM	L0004473	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004476 0.0000003797 3.50 4.00 5.81	SRCPARAM	L0004474	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004477	SRCPARAM	L0004475	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004478	SRCPARAM	L0004476	0.0000003797	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0004477	0.0000003797	3.50	4.00	5.81
SRCPARAM	SRCPARAM	L0004478	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004481 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004482 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004484 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004485 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004486 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004487 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004488 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004489 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.0000003797 3.50 4.00 5.81 SRCPARAM<	SRCPARAM	L0004479	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004482	SRCPARAM	L0004480	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004483	${\tt SRCPARAM}$	L0004481	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004484 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004485 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004486 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004487 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004489 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797	${\tt SRCPARAM}$	L0004482	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004485 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004486 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004487 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004489 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.0000003797	SRCPARAM	L0004483	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004486 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004487 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004488 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.0000003797 3.50 </td <td>${\tt SRCPARAM}$</td> <td>L0004484</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004484	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004487 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004488 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.0000003797 3.50 4.00 5.81 SRCPARAM	${\tt SRCPARAM}$	L0004485	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004488 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004489 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.0000003797 3.50 4.00 5.81 SRCPARAM </td <td>${\tt SRCPARAM}$</td> <td>L0004486</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004486	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004489 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARA	${\tt SRCPARAM}$	L0004487	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004490 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARA	SRCPARAM	L0004488	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004491 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 <tr< td=""><td>SRCPARAM</td><td>L0004489</td><td>0.0000003797</td><td>3.50</td><td>4.00</td><td>5.81</td></tr<>	SRCPARAM	L0004489	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004492 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM	SRCPARAM	L0004490	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004493 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM <td>${\tt SRCPARAM}$</td> <td>L0004491</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004491	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004494 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.0000003797 3.50 4.00 5.81 SRCPARAM <td>${\tt SRCPARAM}$</td> <td>L0004492</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004492	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004495 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.0000003797 3.50 4.00 5.81 SRCPARAM <td>${\tt SRCPARAM}$</td> <td>L0004493</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004493	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004496 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.0000003797 3.50 4.00 5.81 SRCPARAM <td>${\tt SRCPARAM}$</td> <td>L0004494</td> <td>0.0000003797</td> <td>3.50</td> <td>4.00</td> <td>5.81</td>	${\tt SRCPARAM}$	L0004494	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004497 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.0000003797 3.50 4.00 5.81 SRCPARAM	${\tt SRCPARAM}$	L0004495	0.0000003797			5.81
SRCPARAM L0004498 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.0000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004510 0.0000003797 3.50 4.00 5.81 SRCPARAM<	SRCPARAM	L0004496	0.0000003797	3.50	4.00	5.81
SRCPARAM L0004499 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004509 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004510 0.0000003797 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0004500 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004509 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004510 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004511 0.0000003797 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0004501 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004509 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004510 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004511 0.0000003797 3.50 4.00 5.81 SRCPARAM						
SRCPARAM L0004502 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004503 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004504 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004505 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004506 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004507 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004508 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004509 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004510 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004511 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004512 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004513 0.0000003797 3.50 4.00 5.81 SRCPARAM						
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SRCPARAM L0004513 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004514 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004515 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004516 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004517 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004518 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
SRCPARAM L0004514 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004515 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004516 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004517 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004518 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
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SRCPARAM L0004516 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004517 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004518 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
SRCPARAM L0004517 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004518 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
SRCPARAM L0004518 0.00000003797 3.50 4.00 5.81 SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
SRCPARAM L0004519 0.00000003797 3.50 4.00 5.81						
DRCIERCE E0001320 0.00000003/7/ 3.30 1.00 3.01						
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**	LINE VOLU	JME Source	ID = SLINE2			
	SRCPARAM		0.0000001058	3.49	4.00	1.62
		L0004522	0.0000001058	3.49	4.00	1.62
		L0004523	0.0000001058	3.49	4.00	1.62
		L0004524	0.0000001058	3.49	4.00	1.62
		L0004525	0.0000001058	3.49	4.00	1.62
		L0004526	0.0000001058	3.49	4.00	1.62
		L0004527	0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
		L0004529	0.0000001058	3.49	4.00	1.62
		L0004530	0.0000001058	3.49	4.00	1.62
		L0004531	0.0000001058	3.49	4.00	1.62
		L0004532	0.0000001058	3.49	4.00	1.62
		L0004533	0.0000001058	3.49	4.00	1.62
		L0004534	0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
		L0004537	0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
		L0004539	0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
		L0004541	0.0000001058	3.49	4.00	1.62
		L0004542	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004543	0.0000001058	3.49	4.00	1.62
		L0004544	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004545	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004546	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004547	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004548	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004549	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004550	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004551	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004552	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004553	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004554	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004555	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004556	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004557	0.0000001058	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0004558	0.0000001058	3.49	4.00	1.62
	${\tt SRCPARAM}$	L0004559	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004560	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004561	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004562	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004563	0.0000001058	3.49	4.00	1.62
		L0004564	0.0000001058	3.49	4.00	1.62
		L0004565	0.0000001058	3.49	4.00	1.62
		L0004566	0.0000001058	3.49	4.00	1.62
		L0004567	0.0000001058	3.49	4.00	1.62
		L0004568	0.0000001058	3.49	4.00	1.62
	SRCPARAM		0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004570	0.0000001058	3.49	4.00	1.62

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	L0004571	0.00000001058	3.49	4.00	1.62
	L0004572	0.0000001058	3.49	4.00	1.62
	L0004573	0.0000001058	3.49	4.00	1.62
	L0004574	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004575	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004576	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004577	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004578	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004579	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004580	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004581	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004582	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004583	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004584	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004585	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004586	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004587	0.0000001058	3.49	4.00	1.62
	L0004588	0.00000001058	3.49	4.00	1.62
	L0004589	0.0000001058	3.49	4.00	1.62
	L0004590	0.00000001058	3.49	4.00	1.62
	L0004591	0.00000001058	3.49	4.00	1.62
	L0004592	0.00000001058	3.49	4.00	1.62
	L0004593	0.00000001058	3.49	4.00	1.62
	L0004594	0.00000001058	3.49	4.00	1.62
	L0004595	0.00000001058	3.49	4.00	1.62
	L0004595	0.00000001058	3.49	4.00	1.62
	L0004597	0.00000001058	3.49	4.00	1.62
	L0004597	0.00000001058	3.49	4.00	1.62
	L0004598	0.00000001058	3.49	4.00	1.62
	L0004600	0.00000001058	3.49	4.00	1.62
	L0004601	0.00000001058	3.49	4.00	1.62
	L0004602	0.00000001058	3.49	4.00	1.62
	L0004603	0.0000001058	3.49	4.00	1.62
	L0004604	0.0000001058	3.49	4.00	1.62
	L0004605	0.0000001058	3.49	4.00	1.62
	L0004606	0.0000001058	3.49	4.00	1.62
	L0004607	0.0000001058	3.49	4.00	1.62
	L0004608	0.0000001058	3.49	4.00	1.62
	L0004609	0.0000001058	3.49	4.00	1.62
	L0004610	0.0000001058	3.49	4.00	1.62
	L0004611	0.0000001058	3.49	4.00	1.62
	L0004612	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004613	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004614	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004615	0.0000001058	3.49	4.00	1.62
	L0004616	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004617	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004618	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004619	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004620	0.0000001058	3.49	4.00	1.62
SRCPARAM	L0004621	0.0000001058	3.49	4.00	1.62

	SRCPARAM	L0004622	0.00000001058	3.49	4.00	1.62
	SRCPARAM	L0004623	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004624	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004625	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004626	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004627	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004628	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004629	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004630	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004631	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004632	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004633	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004634	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004635	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004636	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004637	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004638	0.0000001058	3.49	4.00	1.62
	SRCPARAM	L0004639	0.0000001058	3.49	4.00	1.62
		L0004640	0.0000001058	3.49		1.62
	SRCPARAM	L0004641	0.0000001058	3.49		1.62
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* *	LINE VOLU	JME Source ID	= SLINE3			
	SRCPARAM	L0004642	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004643	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004644	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004645	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004646	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004647	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004648	0.000000000423	3.49	4.00	1.62
		L0004649	0.000000000423	3.49	4.00	1.62
		L0004650	0.000000000423	3.49	4.00	1.62
		L0004651	0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004653	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004654	0.000000000423	3.49	4.00	1.62
	SRCPARAM	L0004655	0.000000000423	3.49	4.00	1.62
		L0004656	0.000000000423	3.49	4.00	1.62
		L0004657	0.000000000423	3.49	4.00	1.62
		L0004658	0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
		L0004660	0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
		L0004665	0.000000000423	3.49	4.00	1.62
	SRCPARAM		0.000000000423	3.49	4.00	1.62
		L0004667	0.000000000423	3.49	4.00	1.62
		L0004668	0.000000000123	3.49	4.00	1.62
		L0004669	0.000000000123	3.49	4.00	1.62
		L0004670	0.000000000423	3.49	4.00	1.62
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	L0004671	0.00000000423	3.49	4.00	1.62
	L0004672	0.00000000423	3.49	4.00	1.62
	L0004673	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004674	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004675	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004676	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004677	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004678	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004679	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004680	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004681	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004682	0.000000000423	3.49	4.00	1.62
	L0004683	0.000000000423	3.49	4.00	1.62
	L0004684	0.000000000423	3.49	4.00	1.62
	L0004685	0.000000000423	3.49	4.00	1.62
	L0004686	0.000000000423	3.49	4.00	1.62
	L0004687	0.000000000123	3.49	4.00	1.62
	L0004688	0.000000000123	3.49	4.00	1.62
	L0004689	0.000000000423	3.49	4.00	1.62
	L0004690		3.49		1.62
		0.000000000423		4.00	
	L0004691	0.000000000423	3.49	4.00	1.62
	L0004692	0.000000000423	3.49	4.00	1.62
	L0004693	0.000000000423	3.49	4.00	1.62
	L0004694	0.000000000423	3.49	4.00	1.62
	L0004695	0.00000000423	3.49	4.00	1.62
	L0004696	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004697	0.00000000423	3.49	4.00	1.62
	L0004698	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004699	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004700	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004701	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004702	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004703	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004704	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004705	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004706	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004707	0.000000000423	3.49	4.00	1.62
	L0004708	0.000000000423	3.49	4.00	1.62
	L0004709	0.000000000423	3.49	4.00	1.62
	L0004710	0.000000000423	3.49	4.00	1.62
	L0004711	0.000000000423	3.49	4.00	1.62
	L0004712	0.000000000423	3.49	4.00	1.62
	L0004713	0.000000000123	3.49	4.00	1.62
	L0004713	0.000000000423	3.49	4.00	1.62
	L0004714	0.000000000423	3.49	4.00	1.62
		0.000000000423	3.49	4.00	1.62
	L0004716		3.49		
	L0004717	0.000000000423		4.00	1.62
	L0004718	0.000000000423	3.49	4.00	1.62
	L0004719	0.000000000423	3.49	4.00	1.62
	L0004720	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004721	0.00000000423	3.49	4.00	1.62

	L0004722	0.00000000423	3.49	4.00	1.62
	L0004723	0.00000000423	3.49	4.00	1.62
	L0004724	0.00000000423	3.49	4.00	1.62
	L0004725	0.00000000423	3.49	4.00	1.62
	L0004726	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004727	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004728	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004729	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004730	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004731	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004732	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004733	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004734	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004735	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004736	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004737	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004738	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004739	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004740	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004741	0.00000000423	3.49	4.00	1.62
SRCPARAM	L0004742	0.000000000423	3.49	4.00	1.62
	L0004743	0.000000000423	3.49	4.00	1.62
	L0004744	0.00000000423	3.49	4.00	1.62
	L0004745	0.000000000423	3.49	4.00	1.62
	L0004746	0.000000000423	3.49	4.00	1.62
	L0004747	0.000000000423	3.49	4.00	1.62
	L0004748	0.000000000423	3.49	4.00	1.62
	L0004749	0.000000000423	3.49	4.00	1.62
	L0004750	0.000000000423	3.49	4.00	1.62
	L0004751	0.000000000423	3.49	4.00	1.62
	L0004752	0.000000000423	3.49	4.00	1.62
	L0004753	0.000000000123	3.49	4.00	1.62
	L0004754	0.000000000123	3.49	4.00	1.62
	L0004755	0.000000000123	3.49	4.00	1.62
	L0004755	0.000000000423	3.49	4.00	1.62
	L0004757	0.000000000123	3.49	4.00	1.62
	L0004758	0.000000000123	3.49	4.00	1.62
	L0004759	0.000000000423	3.49	4.00	1.62
	L0004759	0.000000000423	3.49	4.00	1.62
	L0004760	0.000000000423	3.49	4.00	1.62
	L0004761	0.000000000423	3.49	4.00	1.62
	L0004762	0.000000000423	3.49	4.00	1.62
	L0004764	0.000000000423	3.49	4.00	1.62
	L0004765	0.000000000423	3.49	4.00	1.62
	L0004766	0.000000000423	3.49	4.00	1.62
	L0004767	0.000000000423	3.49	4.00	1.62
	L0004768	0.000000000423	3.49	4.00	1.62
	L0004769	0.000000000423	3.49	4.00	1.62
	L0004770	0.000000000423	3.49	4.00	1.62
	L0004771	0.000000000423	3.49	4.00	1.62
SRCPARAM	L0004772	0.00000000423	3.49	4.00	1.62

	SRCPARAM LOC	004773	0.00000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004774	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004775	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004776	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004777	0.000000000423	3.	. 49 4	1.00 1.00	1.62
	SRCPARAM LOC	004778	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004779	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004780	0.000000000423	3.	. 49	1.00 1.00	1.62
	SRCPARAM LOC	004781	0.00000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423	3.	.49 4	1.00	1.62
	SRCPARAM LUC	004782	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004783	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004784	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004785	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004786	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004787	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004788	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004789	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004790	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004791	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004792	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004793	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004794	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004795	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004796	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004797	0.000000000423	3.	. 49	1.00	1.62
	SRCPARAM LOC	004798	0.000000000423	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004799	0.00000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.000000000423 0.00000000423 0.00000000423 0.00000000423 0.00000000423	3.	. 49 4	1.00	1.62
* *	LINE VOLUME						
	SRCPARAM LOC	004800	0.00000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004801	0.000000005302 0.000000005302 0.000000005302 0.000000005302 0.000000005302 0.000000005302 0.000000005302 0.00000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004802	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004803	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004804	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004805	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004806	0.000000005302	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004807	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004808	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004809	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004810	0.00000005302 0.00000005302	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004811	0.000000005302	3.	. 49 4	1.00	1.62
	SRCPARAM LOC	004812	0.00000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004813	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004814	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004815	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	JU4816	0.000000003302 0.000000005302 0.000000005302 0.000000005302 0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004817	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004818	0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	04819	0.00000005302 0.000000005302 0.00000005302 0.000000005302	3.	.49 4	1.00	1.62
	SRCPARAM LOC	004820	0.000000005302	3.	.49 4	1.00	1.62
	SKCPARAM LOC	JU4821	0.000000005302	3.	.49 4	1.00	1.62

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SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004825	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004826	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004827	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004828	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004829	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004830	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004831	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004832	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004833	0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004850	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004851	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004852	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004853	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004854	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004855	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004856	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004857	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004858	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004859	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004860	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004861	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004862	0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
MAXAYOAG	T0004012	0.000000005502	3.43	4.00	1.02

SRCPARAM	L0004873	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004874	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004875	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004876	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004877	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004878	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004879	0.00000005302	3.49	4.00	1.62
	L0004880	0.000000005302	3.49	4.00	1.62
	L0004881	0.000000005302	3.49	4.00	1.62
	L0004882	0.000000005302	3.49	4.00	1.62
	L0004883	0.000000005302	3.49	4.00	1.62
	L0001883	0.000000005302	3.49	4.00	1.62
	L0004885	0.000000005302	3.49	4.00	1.62
	L0004886	0.000000005302	3.49	4.00	1.62
	L0004887	0.000000005302	3.49	4.00	1.62
	L0004888	0.000000005302	3.49	4.00	1.62
	L0004889	0.00000005302	3.49	4.00	1.62
	L0004890	0.00000005302	3.49	4.00	1.62
	L0004891	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004892	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004893	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004894	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004895	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004896	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004897	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004898	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004899	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004900	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004901	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004902	0.00000005302	3.49	4.00	1.62
	L0004903	0.00000005302	3.49	4.00	1.62
	L0004904	0.000000005302	3.49	4.00	1.62
	L0004905	0.00000005302	3.49	4.00	1.62
	L0004906	0.000000005302	3.49	4.00	1.62
	L0004907	0.000000005302	3.49	4.00	1.62
	L0004908	0.000000005302	3.49	4.00	1.62
	L0004909	0.000000005302	3.49	4.00	1.62
	L0004909	0.000000005302	3.49	4.00	1.62
	L0004910	0.000000005302	3.49	4.00	1.62
	L0004911	0.000000005302	3.49	4.00	1.62
	L0004912	0.000000005302	3.49	4.00	1.62
	L0004914	0.000000005302	3.49	4.00	1.62
	L0004915	0.000000005302	3.49	4.00	1.62
	L0004916	0.000000005302	3.49	4.00	1.62
	L0004917	0.00000005302	3.49	4.00	1.62
	L0004918	0.000000005302	3.49	4.00	1.62
	L0004919	0.00000005302	3.49	4.00	1.62
	L0004920	0.00000005302	3.49	4.00	1.62
	L0004921	0.00000005302	3.49	4.00	1.62
	L0004922	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004923	0.00000005302	3.49	4.00	1.62

	L0004924	0.00000005302	3.49	4.00	1.62
	L0004925	0.000000005302	3.49	4.00	1.62
	L0004926	0.00000005302	3.49	4.00	1.62
	L0004927	0.000000005302	3.49	4.00	1.62
SRCPARAM	L0004928	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004929	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004930	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004931	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004932	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004933	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004934	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004935	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004936	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004937	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004938	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004939	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004940	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004941	0.00000005302	3.49	4.00	1.62
	L0004942	0.00000005302	3.49	4.00	1.62
	L0004943	0.00000005302	3.49	4.00	1.62
	L0004944	0.00000005302	3.49	4.00	1.62
	L0004945	0.000000005302	3.49	4.00	1.62
	L0004946	0.000000005302	3.49	4.00	1.62
	L0004947	0.000000005302	3.49	4.00	1.62
	L0004948	0.000000005302	3.49	4.00	1.62
	L0004949	0.000000005302	3.49	4.00	1.62
	L0004949	0.000000005302	3.49	4.00	1.62
	L0004951	0.000000005302	3.49	4.00	1.62
	L0004951	0.000000005302	3.49	4.00	1.62
			3.49	4.00	1.62
	L0004953 L0004954	0.000000005302 0.00000005302	3.49	4.00	1.62
	L0004955	0.000000005302	3.49	4.00	1.62
	L0004956	0.000000005302	3.49	4.00	1.62
	L0004957	0.000000005302	3.49	4.00	1.62
	L0004958	0.000000005302	3.49	4.00	1.62
	L0004959	0.000000005302	3.49	4.00	1.62
	L0004960	0.000000005302	3.49	4.00	1.62
	L0004961	0.000000005302	3.49	4.00	1.62
	L0004962	0.000000005302	3.49	4.00	1.62
	L0004963	0.000000005302	3.49	4.00	1.62
	L0004964	0.000000005302	3.49	4.00	1.62
	L0004965	0.00000005302	3.49	4.00	1.62
	L0004966	0.00000005302	3.49	4.00	1.62
	L0004967	0.000000005302	3.49	4.00	1.62
	L0004968	0.00000005302	3.49	4.00	1.62
	L0004969	0.00000005302	3.49	4.00	1.62
	L0004970	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004971	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004972	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004973	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004974	0.00000005302	3.49	4.00	1.62

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SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004978	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004979	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004980	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004981	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004982	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004983	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004984	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004985	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0004986	0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005003	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005004	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005005	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005006	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005007	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005008	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005009	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005010	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005011	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005012	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005013	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005014	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005015	0.000000005302	3.49	4.00	1.62
SRCPARAM		0.00000005302	3.49	4.00	1.62
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SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
SRCPARAM		0.000000005302	3.49	4.00	1.62
MAXAYOAG	П0002072	0.000000005502	3.43	4.00	1.02

	L0005026	0.00000005302	3.49	4.00	1.62
	L0005027	0.00000005302	3.49	4.00	1.62
	L0005028	0.00000005302	3.49	4.00	1.62
	L0005029	0.00000005302	3.49	4.00	1.62
	L0005030	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005031	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005032	0.00000005302	3.49	4.00	1.62
	L0005033	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005034	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005035	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005036	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005037	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005038	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005039	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005040	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005041	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005042	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005043	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005044	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005045	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005046	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005047	0.00000005302	3.49	4.00	1.62
	L0005048	0.00000005302	3.49	4.00	1.62
SRCPARAM	L0005049	0.00000005302	3.49	4.00	1.62
	L0005050	0.00000005302	3.49	4.00	1.62
	L0005051	0.00000005302	3.49	4.00	1.62
	L0005052	0.00000005302	3.49	4.00	1.62
	L0005053	0.00000005302	3.49	4.00	1.62
	L0005054	0.00000005302	3.49	4.00	1.62
	L0005055	0.00000005302	3.49	4.00	1.62
	L0005056	0.000000005302	3.49	4.00	1.62
	L0005057	0.000000005302	3.49	4.00	1.62
	L0005057	0.000000005302	3.49	4.00	1.62
	L0005059	0.000000005302	3.49	4.00	1.62
	L0005060	0.000000005302	3.49	4.00	1.62
	L0005061	0.000000005302	3.49	4.00	1.62
	L0005062	0.000000005302	3.49	4.00	1.62
	L0005063	0.000000005302	3.49	4.00	1.62
	L0005064	0.000000005302	3.49	4.00	1.62
	L0005065	0.000000005302	3.49	4.00	1.62
	L0005066	0.000000005302	3.49	4.00	1.62
	L0005067	0.000000005302	3.49	4.00	1.62
	L0005068	0.000000005302	3.49	4.00	1.62
	L0005069	0.000000005302	3.49	4.00	1.62
	L0005070	0.000000005302	3.49	4.00	1.62
	L0005070		3.49		1.62
		0.000000005302		4.00	
	L0005072	0.000000005302	3.49	4.00	1.62
	L0005073	0.000000005302	3.49	4.00	1.62
	L0005074	0.000000005302	3.49	4.00	1.62
	L0005075	0.000000005302	3.49	4.00	1.62
SKCPARAM	L0005076	0.00000005302	3.49	4.00	1.62

**	SRCPARAM SRCPARAM	L0005077 L0005078 L0005079 L0005080		0.00000005302 0.00000005302 0.00000005302 0.000000005302	3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62
**	SRCPARAM LINE VOLU SRCPARAM	L0005080 JME Source L0005081 L0005082 L0005083 L0005084 L0005085 L0005086 L0005087 L0005089 L0005091 L0005092 L0005093 L0005094 L0005095 L0005099 L0005091 L0005101 L0005101 L0005102 L0005103 L0005104 L0005105 L0005105 L0005107 L0005108 L0005109	ID	0.00000005302 = SLINE5 0.0000000528	3.49 3.49 3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.0	1.62 1.62 1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM	L0005110 L0005111 L0005112 L0005113 L0005114		0.0000000528 0.0000000528 0.0000000528 0.0000000528 0.0000000528	3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM SRCPARAM SRCPARAM SRCPARAM	L0005115 L0005116 L0005117 L0005118 L0005119 L0005120 L0005121		0.0000000528 0.0000000528 0.0000000528 0.0000000528 0.0000000528 0.0000000528 0.0000000528	3.49 3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62 1.62 1.62
	SRCPARAM SRCPARAM	L0005122 L0005123 L0005124 L0005125		0.00000000528 0.00000000528 0.00000000528 0.00000000528	3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62

anana na w	T 000F126	0 000000000000000	3.49	4 00	1 ()
	L0005126	0.00000000528		4.00	1.62
	L0005127	0.00000000528	3.49	4.00	1.62
	L0005128	0.0000000528	3.49	4.00	1.62
	L0005129	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005130	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005131	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005132	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005133	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005134	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005135	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005136	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005137	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005138	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005139	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005140	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005141	0.0000000528	3.49	4.00	1.62
	L0005142	0.0000000528	3.49	4.00	1.62
	L0005143	0.0000000528	3.49	4.00	1.62
	L0005144	0.0000000528	3.49	4.00	1.62
	L0005145	0.00000000528	3.49	4.00	1.62
	L0005146	0.00000000528	3.49	4.00	1.62
	L0005117	0.00000000528	3.49	4.00	1.62
	L0005117	0.00000000528	3.49	4.00	1.62
	L0005110	0.00000000528	3.49	4.00	1.62
	L0005149	0.00000000528	3.49	4.00	1.62
	L0005150	0.00000000528	3.49	4.00	1.62
	L0005151	0.00000000528	3.49	4.00	1.62
	L0005152	0.00000000528	3.49	4.00	1.62
	L0005153	0.00000000528	3.49	4.00	1.62
			3.49	4.00	1.62
	L0005155 L0005156	0.00000000528 0.0000000528	3.49	4.00	1.62
	L0005157	0.00000000528	3.49	4.00	1.62
	L0005158	0.00000000528	3.49	4.00	1.62
	L0005159	0.00000000528	3.49	4.00	1.62
	L0005160	0.00000000528	3.49	4.00	1.62
	L0005161	0.0000000528	3.49	4.00	1.62
	L0005162	0.00000000528	3.49	4.00	1.62
	L0005163	0.00000000528	3.49	4.00	1.62
	L0005164	0.00000000528	3.49	4.00	1.62
	L0005165	0.00000000528	3.49	4.00	1.62
	L0005166	0.0000000528	3.49	4.00	1.62
	L0005167	0.0000000528	3.49	4.00	1.62
	L0005168	0.0000000528	3.49	4.00	1.62
	L0005169	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005170	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005171	0.0000000528	3.49	4.00	1.62
	L0005172	0.0000000528	3.49	4.00	1.62
	L0005173	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005174	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005175	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005176	0.0000000528	3.49	4.00	1.62

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SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005180	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005181	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005182	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005183	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005184	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005185	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005186	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005187	0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
	L0005189	0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
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SRCPARAM		0.00000000528		4.00	
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SRCPARAM		0.0000000528	3.49	4.00	1.62
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SRCPARAM		0.0000000528	3.49	4.00	1.62
	L0005202	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005203	0.0000000528	3.49	4.00	1.62
	L0005204	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005205	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005206	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005207	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005208	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005209	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005210	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005211	0.0000000528	3.49	4.00	1.62
	L0005212	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005213	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005214	0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
	L0005217	0.00000000528	3.49	4.00	1.62
	L0005218	0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
	L0005219	0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
	L0005221	0.00000000528	3.49	4.00	1.62
			3.49		1.62
	L0005223	0.00000000528		4.00	
	L0005224	0.00000000528	3.49	4.00	1.62
	L0005225	0.00000000528	3.49	4.00	1.62
	L0005226	0.00000000528	3.49	4.00	1.62
SRCPARAM	ь0005227	0.0000000528	3.49	4.00	1.62

	L0005228	0.0000000528	3.49	4.00	1.62
	L0005229	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005230	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005231	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005232	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005233	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005234	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005235	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005236	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005237	0.0000000528	3.49	4.00	1.62
	L0005238	0.00000000528	3.49	4.00	1.62
	L0005239	0.00000000528	3.49	4.00	1.62
	L0005240	0.00000000528	3.49	4.00	1.62
	L0005241	0.00000000528	3.49	4.00	1.62
	L0005242	0.00000000528	3.49	4.00	1.62
	L0005243	0.00000000528	3.49	4.00	1.62
	L0005244	0.00000000528	3.49	4.00	1.62
	L0005211	0.00000000528	3.49	4.00	1.62
	L0005245	0.00000000528	3.49	4.00	1.62
	L0005246	0.00000000528	3.49	4.00	1.62
			3.49		
	L0005248	0.00000000528	3.49	4.00	1.62
	L0005249	0.00000000528		4.00	1.62
	L0005250	0.0000000528	3.49	4.00	1.62
	L0005251	0.00000000528	3.49	4.00	1.62
	L0005252	0.00000000528	3.49	4.00	1.62
	L0005253	0.0000000528	3.49	4.00	1.62
	L0005254	0.0000000528	3.49	4.00	1.62
	L0005255	0.0000000528	3.49	4.00	1.62
	L0005256	0.0000000528	3.49	4.00	1.62
	L0005257	0.0000000528	3.49	4.00	1.62
	L0005258	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005259	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005260	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005261	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005262	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005263	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005264	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005265	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005266	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005267	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005268	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005269	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005270	0.0000000528	3.49	4.00	1.62
	L0005271	0.00000000528	3.49	4.00	1.62
	L0005272	0.00000000528	3.49	4.00	1.62
	L0005273	0.00000000528	3.49	4.00	1.62
	L0005273	0.00000000528	3.49	4.00	1.62
	L0005271	0.00000000528	3.49	4.00	1.62
	L0005275	0.00000000528	3.49	4.00	1.62
	L0005270	0.00000000528	3.49	4.00	1.62
	L0005277	0.00000000528	3.49	4.00	1.62
MAAAAAA	ш0003276	0.00000000526	J.47	4. 00	1.02

SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005281	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005282	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005283	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005284	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005285	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005286	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005287	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005288	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005289	0.0000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
			3.49		1.62
SRCPARAM		0.00000000528		4.00	
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005304	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005305	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005306	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005307	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005308	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005309	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005310	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005311	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005312	0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005313	0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
			3.49	4.00	
SRCPARAM		0.00000000528			1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.00000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM		0.0000000528	3.49	4.00	1.62
SRCPARAM	L0005329	0.0000000528	3.49	4.00	1.62

	SRCPARAM	L0005330		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005331		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005332		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005333		0.00000000	528	3.49	4.00	1.62	
		L0005334		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	T.0005335		0 00000000	528		4.00	1.62	
	SRCPARAM	T.0005336		0.00000000	528	3.49 3.49	4.00	1.62	
	SECDARAM	T.0005337		0.00000000	528		4.00	1.62	
	SECDARAM	T.0005337		0.00000000 0.00000000 0.00000000 0.000000	528	3.49 3.49	4.00	1.62	
	CDCDADAM	T.0005330		0.00000000	520	3.49	4.00	1.62	
	CDCDADAM	T0002333		0.00000000	520	3.49 3.49	4.00	1.62	
	CDCDADAM	T0005340		0.00000000	520	2.49	4 00	1.62	
	SRCPARAM	10005341		0.00000000	548 F30	3.49 3.49	4.00		
	SRCPARAM	L0005342		0.00000000	528		4.00	1.62	
	SRCPARAM	L0005343		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005344		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005345		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005346		0.0000000	528	3.49 3.49	4.00	1.62	
	SRCPARAM	L0005347		0.00000000	528		4.00	1.62	
	SRCPARAM	L0005348		0.00000000	528	3.49 3.49	4.00	1.62	
	SRCPARAM	L0005349		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005350		0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000	528	3.49 3.49	4.00	1.62	
	SRCPARAM	L0005351		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005352		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005353		0.00000000	528	3.49 3.49	4.00	1.62	
	SRCPARAM	L0005354		0.00000000	528	3 49	4 ()()	1.62	
	SRCPARAM	L0005355		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005356		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	L0005357		0.00000000	528		4.00	1.62	
	SRCPARAM	L0005358		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	T-0005359		0.00000000	528	3.49	4.00	1.62	
	SRCPARAM	T-0005360		0.00000000	528	3.49 3.49	4.00	1.62	
	SRCPARAM	T.0005361		0 00000000	528	3 49		1.62	
	SECDARAM	T.0005362		0.00000000	528	3.49 3.49	4.00 4.00	1.62	
	CDCDADAM	T.0005362		0.00000000	520	3.19			
	CDCDADAM	1.0005364		0.00000000	520	3.49 3.49	4.00 4.00	1.62	
	CDCDADAM	T 0005304		0.00000000	520	3.49	4.00	1.62	
	CDCDADAM	T0005303		0.00000000	520	3.49	4.00	1.62	
Ļ.	SKCPARAM	T0002300		0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000 0.0000000	520	3.49	4.00	1.02	
									-
Ļ.	Duilding	Dormringh	**						
•	_	Downwash		0 00	10 50	10 50	10 50	10 50	10 50
	BUILDHGT	SICKI		0.00	12.50			12.50	12.50
	BUILDHGT BUILDHGT	STCKI		12.50	12.50	0.00	0.00	0.00	0.00
	BUILDHGT	STCKI		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1		0.00	12.50	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1 STCK1 STCK1		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK1		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK2		0.00	0.00	0.00	0.00	0.00	0.00
	BUILDHGT	STCK2		0.00	0.00	0.00	12.50	12.50	12.50
	BUILDHGT	STCK2		12.50	12.50	12.50	12.50	0.00	0.00
	BUILDHGT	STCK2		0.00	0.00	0.00	0.00	0.00	0.00

BUILDHGT BUILDHGT		0.00	0.00	0.00 12.50	0.00 12.50	0.00	0.00
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK3	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK4	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT		12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDHGT	STCK5	12.50	12.50	12.50	12.50	12.50	12.50
BUILDWID		0.00	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	225.24	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID		0.00	0.00	0.00	98.52	132.31	162.67
BUILDWID		188.09	207.79	221.18	227.85	0.00	0.00
BUILDWID		0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDWID	STCK2	0.00	0.00	221.18	227.85	0.00	0.00
BUILDWID	STCK3	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK3	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK3	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK3	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK3	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK3	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID		226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK4	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK4	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK4	188.09	207.79	221.18	227.85	228.19	222.91

BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID	STCK5	130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK5	188.09	207.79	221.18	227.85	228.19	222.91
BUILDWID	STCK5	226.99	225.24	217.23	203.78	184.54	159.70
BUILDWID		130.15	98.27	63.96	98.52	132.31	162.67
BUILDWID	STCK5	188.09	207.79	221.18	227.85	228.19	222.91
BUILDLEN	STCK1	0.00	132.31	162.67	188.09	207.79	221.18
BUILDLEN	STCK1	227.85	228.19	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	132.31	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
${\tt BUILDLEN}$	STCK2	0.00	0.00	0.00	226.99	225.24	217.23
BUILDLEN	STCK2	203.78	184.54	159.70	130.15	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
BUILDLEN	STCK2	0.00	0.00	159.70	130.15	0.00	0.00
DIIII DI DI	amarra	00 50	120 21	160 67	100.00	007 70	001 10
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK3	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN	STCK4	98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK4	203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN		203.78	184.54	159.70	130.15	98.27	63.96
BUILDLEN		98.52	132.31	162.67	188.09	207.79	221.18
BUILDLEN		227.85	228.19	222.91	226.99	225.24	217.23
BUILDLEN	STCK5	203.78	184.54	159.70	130.15	98.27	63.96
XBADJ	STCK1	0.00	-156.00	-189.70	-217.63	-238.96	-253.02
XBADJ	STCK1	-259.39	-257.88	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	23.68	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK1	0.00	0.00	0.00	0.00	0.00	0.00
VDWDU	SICKI	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00

XBADJ	STCK2	0.00	0.00	0.00	-254.78	-254.48	-247.04
XBADJ	STCK2	-232.08	-210.08	-181.69	-147.78	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	0.00	0.00	0.00	0.00
XBADJ	STCK2	0.00	0.00	21.99	17.63	0.00	0.00
XBADJ XBADJ XBADJ XBADJ XBADJ XBADJ	STCK3 STCK3 STCK3 STCK3 STCK3	-67.48 -93.55 -63.98 -31.04 -134.30 -139.80	-78.44 -87.98 -55.10 -53.87 -140.22 -129.44	-87.03 -80.20 -44.54 -75.65 -142.71 -115.16	-92.97 -78.77 -32.63 -95.12 -148.22 -97.52	-96.08 -75.70 -20.80 -111.71 -149.54 -77.47	-96.28 -70.92 -8.89 -124.90 -146.31 -55.07
XBADJ	STCK4	-73.41	-89.99	-103.83	-114.53	-121.74	-125.25
XBADJ	STCK4	-124.95	-120.86	-113.57	-111.61	-107.01	-99.75
XBADJ	STCK4	-89.45	-76.44	-61.10	-43.91	-26.45	-8.75
XBADJ	STCK4	-25.11	-42.32	-58.84	-73.56	-86.06	-95.93
XBADJ	STCK4	-102.89	-107.33	-109.34	-115.38	-118.23	-117.48
XBADJ	STCK4	-114.33	-108.10	-98.59	-86.24	-71.81	-55.21
XBADJ	STCK5	-78.38	-99.78	-118.14	-132.92	-143.66	-150.03
XBADJ	STCK5	-151.85	-149.05	-142.19	-139.79	-133.90	-124.53
XBADJ	STCK5	-111.38	-94.84	-75.41	-53.70	-31.42	-8.75
XBADJ	STCK5	-20.14	-32.54	-44.53	-55.17	-64.13	-71.15
XBADJ	STCK5	-76.00	-79.15	-80.72	-87.20	-91.33	-92.70
XBADJ	STCK5	-92.40	-89.70	-84.28	-76.45	-66.84	-55.21
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK1 STCK1 STCK1 STCK1 STCK1 STCK1	0.00 5.47 0.00 0.00 0.00 0.00	114.50 -19.79 0.00 -114.50 0.00 0.00	97.95 0.00 0.00 0.00 0.00 0.00	77.85 0.00 0.00 0.00 0.00	55.18 0.00 0.00 0.00 0.00 0.00	30.83 0.00 0.00 0.00 0.00
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK2 STCK2 STCK2 STCK2 STCK2 STCK2	0.00 0.00 -59.79 0.00 0.00	0.00 0.00 -81.32 0.00 0.00	0.00 0.00 -100.38 0.00 0.00	0.00 13.12 -116.39 0.00 0.00 116.39	0.00 -11.99 0.00 0.00 0.00	0.00 -36.44 0.00 0.00 0.00
YBADJ YBADJ YBADJ YBADJ YBADJ YBADJ	STCK3 STCK3 STCK3 STCK3 STCK3	-34.73 -32.44 1.08 34.73 32.44 -1.08	-36.92 -28.34 7.81 36.92 28.34 -7.81	-37.70 -23.09 14.31 37.70 23.09 -14.31	-37.91 -18.22 20.38 37.91 18.22 -20.38	-37.17 -12.29 26.12 37.17 12.29 -26.12	-35.31 -5.69 31.26 35.31 5.69 -31.25
YBADJ	STCK4	-1.89	-5.61	-8.87	-12.44	-15.83	-18.74
YBADJ	STCK4	-21.16	-22.68	-23.23	-24.15	-23.83	-22.50
YBADJ	STCK4	-20.48	-17.84	-14.66	-11.03	-6.77	-2.11

```
1.89
                             5.61
                                    8.87
                                           12.44
                                                          18.74
  YBADJ
         STCK4
                                                   15.83
  YBADJ
         STCK4
                      21.16
                             22.68
                                     23.23
                                            24.15
                                                   23.83
                                                           22.50
  YBADJ
         STCK4
                      20.48 17.84 14.66
                                            11.03
                                                    6.77
                                                           2.12
                                                    2.57
  YBADJ
         STCK5
                     26.30
                            21.28
                                    15.92
                                             9.49
                                                           -4.43
  YBADJ
         STCK5
                     -11.37
                            -17.71
                                   -23.23
                                           -29.12
                                                  -33.62
                                                         -36.81
  YBADJ
         STCK5
                     -38.88 -39.76
                                   -39.44
                                           -37.92
                                                  -34.95
                                                          -30.73
                                           -9.49
  YBADJ
         STCK5
                     -26.30 -21.28 -15.92
                                                   -2.57
                                                          4.43
  YBADJ
         STCK5
                     11.37 17.71 23.23
                                          29.12
                                                   33.62
                                                          36.81
                     38.88 39.76 39.44 37.92
  YBADJ
         STCK5
                                                   34.95
                                                          30.73
  URBANSRC ALL
  SRCGROUP ALL
SO FINISHED
**********
** AERMOD Receptor Pathway
**********
* *
RE STARTING
  INCLUDED "Greenstone 2nd 14 years.rou"
RE FINISHED
**********
** AERMOD Meteorology Pathway
***********
ME STARTING
  SURFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC"
  PROFFILE "E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL"
  SURFDATA 3166 2010
  UAIRDATA 3190 2010
  SITEDATA 99999 2010
  PROFBASE 58.0 METERS
ME FINISHED
**********
** AERMOD Output Pathway
***********
OU STARTING
** Auto-Generated Plotfiles
  PLOTFILE PERIOD ALL "GREENSTONE 2ND 14 YEARS.AD\PE00GALL.PLT" 31
  SUMMFILE "Greenstone 2nd 14 years.sum"
OU FINISHED
```

^{***} Message Summary For AERMOD Model Setup ***

```
----- Summary of Total Messages -----
A Total of
                   0 Fatal Error Message(s)
A Total of
                   7 Warning Message(s)
A Total of
                   0 Informational Message(s)
  ****** FATAL ERROR MESSAGES ******
            *** NONE ***
  ****** WARNING MESSAGES
                            ******
SO W320
         1097
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1098
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1099
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1100
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                 VS
SO W320
         1101
                    PPARM: Input Parameter May Be Out-of-Range for Parameter
ME W186
         2229
                   MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
                                                                                0.50
ME W187
         2229
                   MEOPEN: ADJ U* Option for Stable Low Winds used in AERMET
*********
*** SETUP Finishes Successfully ***
*********
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
                                                                                                          01/20/22
+++
                                                                                                          19:02:41
                                                                                                          PAGE 1
*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ U*
                                             MODEL SETUP OPTIONS SUMMARY
**Model Is Setup For Calculation of Average CONCentration Values.
 -- DEPOSITION LOGIC --
**NO GAS DEPOSITION Data Provided.
**NO PARTICLE DEPOSITION Data Provided.
**Model Uses NO DRY DEPLETION. DRYDPLT = F
**Model Uses NO WET DEPLETION. WETDPLT = F
**Model Uses URBAN Dispersion Algorithm for the SBL for 920 Source(s),
 for Total of 1 Urban Area(s):
 Urban Population = 9818605.0; Urban Roughness Length = 1.000 m
**Model Uses Regulatory DEFAULT Options:
       1. Stack-tip Downwash.
       2. Model Accounts for ELEVated Terrain Effects.
       3. Use Calms Processing Routine.
       4. Use Missing Data Processing Routine.
```

```
5. No Exponential Decay.
       6. Urban Roughness Length of 1.0 Meter Assumed.
**Other Options Specified:
       ADJ_U* - Use ADJ_U* option for SBL in AERMET
       TEMP_Sub - Meteorological data includes TEMP substitutions
**Model Assumes No FLAGPOLE Receptor Heights.
**The User Specified a Pollutant Type of: DPM
**Model Calculates PERIOD Averages Only
**This Run Includes:
                       920 Source(s);
                                           1 Source Group(s); and
                                                                      449 Receptor(s)
              with:
                         5 POINT(s), including
                         0 POINTCAP(s) and
                                               0 POINTHOR(s)
               and:
                       915 VOLUME source(s)
               and:
                         0 AREA type source(s)
               and:
                         0 LINE source(s)
               and:
                         0 RLINE/RLINEXT source(s)
               and:
                         0 OPENPIT source(s)
               and:
                         0 BUOYANT LINE source(s) with a total of
                                                                     0 line(s)
**Model Set To Continue RUNning After the Setup Testing.
**The AERMET Input Meteorological Data Version Date: 16216
**Output Options Selected:
        Model Outputs Tables of PERIOD Averages by Receptor
        Model Outputs External File(s) of High Values for Plotting (PLOTFILE Keyword)
        Model Outputs Separate Summary File of High Ranked Values (SUMMFILE Keyword)
**NOTE: The Following Flags May Appear Following CONC Values: c for Calm Hours
                                                              m for Missing Hours
                                                              b for Both Calm and Missing Hours
**Misc. Inputs: Base Elev. for Pot. Temp. Profile (m MSL) = 58.00; Decay Coef. = 0.000
                                                                                                  ; Rot. Angle =
                Emission Units = GRAMS/SEC
                                                                         ; Emission Rate Unit Factor = 0.10000E+07
                Output Units = MICROGRAMS/M**3
**Approximate Storage Requirements of Model =
                                                5.2 MB of RAM.
**Input Runstream File:
                                aermod.inp
**Output Print File:
                                aermod.out
**Detailed Error/Message File: Greenstone 2nd 14 years.err
**File for Summary of Results: Greenstone 2nd 14 years.sum
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
                                                                                                         ***
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** POINT SOURCE DATA ***

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	E X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	STACK HEIGHT (METERS)	STACK TEMP. (DEG.K)	STACK EXIT VEL. (M/SEC)	STACK DIAMETER (METERS)	BLDG EXISTS	URBAN SOURCE	CAP/ HOR	EMIS RATE SCALAR VARY BY
STCK1	0	0.41900E-05	402181.3	3754671.5	44.8	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK2	0	0.41900E-05	402180.4	3754589.0	44.0	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK3	0	0.41900E-05	402012.5	3754650.4	44.3	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK4	0	0.41900E-05	402045.8	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
STCK5	0	0.41900E-05	402074.4	3754650.6	44.5	3.50	366.00	51.82	0.10	YES	YES	NO	
*** AERMOD -	VERSION	21112 ***	*** C:\La	kes\AERMOI	O View\Gre	eenstone	2nd 14 y	ears			***		01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471	Greenstor	ne DPM Cor	nc Years	2039 thr	ough 2052			***		19:02:41
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0004452	0	0.37970E-07	402179.9	3754671.9	44.8	3.50	4.00	5.81	YES	
L0004453	0	0.37970E-07	402171.3	3754671.9	44.9	3.50	4.00	5.81	YES	
L0004454	0	0.37970E-07	402162.7	3754671.9	44.9	3.50	4.00	5.81	YES	
L0004455	0	0.37970E-07	402154.1	3754671.9	44.9	3.50	4.00	5.81	YES	
L0004456	0	0.37970E-07	402145.5	3754672.0	44.8	3.50	4.00	5.81	YES	
L0004457	0	0.37970E-07	402137.0	3754672.0	44.8	3.50	4.00	5.81	YES	
L0004458	0	0.37970E-07	402128.4	3754672.0	44.8	3.50	4.00	5.81	YES	
L0004459	0	0.37970E-07	402119.8	3754672.0	44.8	3.50	4.00	5.81	YES	
L0004460	0	0.37970E-07	402111.2	3754672.0	44.8	3.50	4.00	5.81	YES	
L0004461	0	0.37970E-07	402102.6	3754672.0	44.6	3.50	4.00	5.81	YES	
L0004462	0	0.37970E-07	402094.0	3754672.0	44.5	3.50	4.00	5.81	YES	
L0004463	0	0.37970E-07	402085.4	3754672.0	44.5	3.50	4.00	5.81	YES	
L0004464	0	0.37970E-07	402076.8	3754672.0	44.6	3.50	4.00	5.81	YES	
L0004465	0	0.37970E-07	402068.2	3754672.0	44.6	3.50	4.00	5.81	YES	
L0004466	0	0.37970E-07	402059.6	3754672.1	44.6	3.50	4.00	5.81	YES	
L0004467	0	0.37970E-07	402051.0	3754672.1	44.5	3.50	4.00	5.81	YES	
L0004468	0	0.37970E-07	402042.5	3754672.1	44.5	3.50	4.00	5.81	YES	
L0004469	0	0.37970E-07	402033.9	3754672.1	44.4	3.50	4.00	5.81	YES	
L0004470	0	0.37970E-07	402025.3	3754672.1	44.4	3.50	4.00	5.81	YES	
L0004471	0	0.37970E-07	402016.7	3754672.1	44.3	3.50	4.00	5.81	YES	

L0004472	0	0.37970E-07	402008.1 3754672.1	44.2	3.50	4.00	5.81	YES	
L0004473	0	0.37970E-07	401999.5 3754672.1	44.2	3.50	4.00	5.81	YES	
L0004474	0	0.37970E-07	401990.9 3754672.1	44.1	3.50	4.00	5.81	YES	
L0004475	0	0.37970E-07	401982.3 3754672.1	44.0	3.50	4.00	5.81	YES	
L0004476	0	0.37970E-07	401973.7 3754672.1	44.0	3.50	4.00	5.81	YES	
L0004477	0	0.37970E-07	401965.1 3754672.2	43.9	3.50	4.00	5.81	YES	
L0004478	0	0.37970E-07	401956.5 3754672.2	43.8	3.50	4.00	5.81	YES	
L0004479	0	0.37970E-07	401948.0 3754672.2	43.7	3.50	4.00	5.81	YES	
L0004480	0	0.37970E-07	401939.4 3754672.2	43.7	3.50	4.00	5.81	YES	
L0004481	0	0.37970E-07	401931.9 3754669.8	43.5	3.50	4.00	5.81	YES	
L0004482	0	0.37970E-07	401927.6 3754662.6	43.4	3.50	4.00	5.81	YES	
L0004483	0	0.37970E-07	401925.5 3754654.2	43.3	3.50	4.00	5.81	YES	
L0004484	0	0.37970E-07	401925.3 3754645.7	43.3	3.50	4.00	5.81	YES	
L0004485	0	0.37970E-07	401925.0 3754637.1	43.2	3.50	4.00	5.81	YES	
L0004486	0	0.37970E-07	401924.8 3754628.5	43.2	3.50	4.00	5.81	YES	
L0004487	0	0.37970E-07	401925.0 3754619.9	43.3	3.50	4.00	5.81	YES	
L0004488	0	0.37970E-07	401925.3 3754611.3	43.3	3.50	4.00	5.81	YES	
L0004489	0	0.37970E-07	401925.6 3754602.7	43.2	3.50	4.00	5.81	YES	
L0004490	0	0.37970E-07	401926.2 3754594.3	43.2	3.50	4.00	5.81	YES	
L0004491	0	0.37970E-07	401932.2 3754588.5	43.4	3.50	4.00	5.81	YES	
*** AERMOD -	- VERSION	J 21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone 2r	nd 14 year	rs.		***
*** AERMET -	- VERSION	I 16216 ***	*** 19471 Greenstone	e DPM Cond	c Years 20	39 throug	gh 2052		***

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0004492 L0004493 L0004494 L0004495 L0004496 L0004497 L0004498 L0004499 L0004500 L0004501 L0004502	0 0 0 0 0 0 0	0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07	401940.4 401949.0 401957.6 401966.2 401974.8 401983.3 401991.9 402000.5 402009.1 402017.7 402026.3	3754586.7 3754586.8 3754586.8 3754586.9 3754586.9 3754586.9 3754587.0 3754587.0	43.5 43.6 43.6 43.7 43.7 43.7 43.8 43.8 43.9	3.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81 5.81 5.81	YES		
L0004503 L0004504 L0004505 L0004506 L0004507 L0004508	0 0 0 0 0	0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07 0.37970E-07	402052.1 402060.7	3754587.2 3754587.2 3754587.3 3754587.3	44.0 44.0 44.0 44.0 44.0	3.50 3.50 3.50 3.50 3.50 3.50	4.00 4.00 4.00 4.00 4.00	5.81 5.81 5.81 5.81 5.81 5.81	YES YES YES YES YES YES YES		

L0004509	0	0.37970E-07	402086.4 3754587.4	44.1	3.50	4.00	5.81	YES	
L0004510	0	0.37970E-07	402095.0 3754587.5	44.1	3.50	4.00	5.81	YES	
L0004511	0	0.37970E-07	402103.6 3754587.5	44.1	3.50	4.00	5.81	YES	
L0004512	0	0.37970E-07	402112.2 3754587.5	44.1	3.50	4.00	5.81	YES	
L0004513	0	0.37970E-07	402120.8 3754587.6	44.1	3.50	4.00	5.81	YES	
L0004514	0	0.37970E-07	402129.4 3754587.6	44.2	3.50	4.00	5.81	YES	
L0004515	0	0.37970E-07	402138.0 3754587.7	44.2	3.50	4.00	5.81	YES	
L0004516	0	0.37970E-07	402146.6 3754587.7	44.2	3.50	4.00	5.81	YES	
L0004517	0	0.37970E-07	402155.2 3754587.8	44.2	3.50	4.00	5.81	YES	
L0004518	0	0.37970E-07	402163.8 3754587.8	44.3	3.50	4.00	5.81	YES	
L0004519	0	0.37970E-07	402172.3 3754587.9	44.2	3.50	4.00	5.81	YES	
L0004520	0	0.37970E-07	402180.9 3754587.9	44.0	3.50	4.00	5.81	YES	
L0004521	0	0.10580E-07	402196.6 3754675.4	44.7	3.49	4.00	1.62	YES	
L0004522	0	0.10580E-07	402196.9 3754683.9	44.8	3.49	4.00	1.62	YES	
L0004523	0	0.10580E-07	402197.2 3754692.5	44.9	3.49	4.00	1.62	YES	
L0004524	0	0.10580E-07	402197.6 3754701.1	44.9	3.49	4.00	1.62	YES	
L0004525	0	0.10580E-07	402197.9 3754709.7	44.9	3.49	4.00	1.62	YES	
L0004526	0	0.10580E-07	402198.2 3754718.3	45.0	3.49	4.00	1.62	YES	
L0004527	0	0.10580E-07	402198.6 3754726.9	45.0	3.49	4.00	1.62	YES	
L0004528	0	0.10580E-07	402199.2 3754735.4	45.1	3.49	4.00	1.62	YES	
L0004529	0	0.10580E-07	402199.8 3754744.0	45.1	3.49	4.00	1.62	YES	
L0004530	0	0.10580E-07	402200.4 3754752.6	45.2	3.49	4.00	1.62	YES	
L0004531	0	0.10580E-07	402201.0 3754761.1	45.3	3.49	4.00	1.62	YES	
*** AERMOD - VER	SION	21112 ***	*** C:\Lakes\AERMOD '	View\Green	stone 2nd	14 years			**
*** AERMET - VER	SION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 203	9 through	2052		* *

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004532	0	0.10580E-07	402201.6	3754769.7	45.3	3.49	4.00	1.62	YES	
L0004533	0	0.10580E-07	402202.2	3754778.3	45.4	3.49	4.00	1.62	YES	
L0004534	0	0.10580E-07	402202.3	3754786.9	45.4	3.49	4.00	1.62	YES	
L0004535	0	0.10580E-07	402202.3	3754795.5	45.5	3.49	4.00	1.62	YES	
L0004536	0	0.10580E-07	402202.2	3754804.0	45.5	3.49	4.00	1.62	YES	
L0004537	0	0.10580E-07	402202.2	3754812.6	45.6	3.49	4.00	1.62	YES	
L0004538	0	0.10580E-07	402202.1	3754821.2	45.6	3.49	4.00	1.62	YES	
L0004539	0	0.10580E-07	402202.1	3754829.8	45.6	3.49	4.00	1.62	YES	
L0004540	0	0.10580E-07	402202.0	3754838.4	45.6	3.49	4.00	1.62	YES	
L0004541	0	0.10580E-07	402202.0	3754847.0	45.7	3.49	4.00	1.62	YES	
L0004542	0	0.10580E-07	402201.9	3754855.6	45.7	3.49	4.00	1.62	YES	
L0004543	0	0.10580E-07	402201.9	3754864.2	45.8	3.49	4.00	1.62	YES	
L0004544	0	0.10580E-07	402201.8	3754872.8	45.9	3.49	4.00	1.62	YES	
L0004545	0	0.10580E-07	402201.8	3754881.3	46.0	3.49	4.00	1.62	YES	

L0004546	0	0.10580E-07	402201.8 3754889.9	46.0	3.49	4.00	1.62	YES	
L0004547	0	0.10580E-07	402201.7 3754898.5	46.0	3.49	4.00	1.62	YES	
L0004548	0	0.10580E-07	402201.7 3754907.1	46.1	3.49	4.00	1.62	YES	
L0004549	0	0.10580E-07	402201.8 3754915.7	46.1	3.49	4.00	1.62	YES	
L0004550	0	0.10580E-07	402202.0 3754924.3	46.2	3.49	4.00	1.62	YES	
L0004551	0	0.10580E-07	402202.1 3754932.9	46.2	3.49	4.00	1.62	YES	
L0004552	0	0.10580E-07	402202.2 3754941.5	46.3	3.49	4.00	1.62	YES	
L0004553	0	0.10580E-07	402202.3 3754950.1	46.3	3.49	4.00	1.62	YES	
L0004554	0	0.10580E-07	402202.5 3754958.7	46.3	3.49	4.00	1.62	YES	
L0004555	0	0.10580E-07	402202.6 3754967.2	46.4	3.49	4.00	1.62	YES	
L0004556	0	0.10580E-07	402202.7 3754975.8	46.4	3.49	4.00	1.62	YES	
L0004557	0	0.10580E-07	402202.8 3754984.4	46.4	3.49	4.00	1.62	YES	
L0004558	0	0.10580E-07	402203.0 3754993.0	46.4	3.49	4.00	1.62	YES	
L0004559	0	0.10580E-07	402203.1 3755001.6	46.5	3.49	4.00	1.62	YES	
L0004560	0	0.10580E-07	402203.2 3755010.2	46.5	3.49	4.00	1.62	YES	
L0004561	0	0.10580E-07	402203.2 3755018.8	46.4	3.49	4.00	1.62	YES	
L0004562	0	0.10580E-07	402203.2 3755027.4	46.4	3.49	4.00	1.62	YES	
L0004563	0	0.10580E-07	402203.2 3755036.0	46.3	3.49	4.00	1.62	YES	
L0004564	0	0.10580E-07	402203.2 3755044.5	46.2	3.49	4.00	1.62	YES	
L0004565	0	0.10580E-07	402203.2 3755053.1	46.1	3.49	4.00	1.62	YES	
L0004566	0	0.10580E-07	402203.2 3755061.7	45.9	3.49	4.00	1.62	YES	
L0004567	0	0.10580E-07	402203.2 3755070.3	45.8	3.49	4.00	1.62	YES	
L0004568	0	0.10580E-07	402205.1 3755078.3	45.8	3.49	4.00	1.62	YES	
L0004569	0	0.10580E-07	402211.1 3755083.2	45.9	3.49	4.00	1.62	YES	
L0004570	0	0.10580E-07	402219.7 3755083.3	46.2	3.49	4.00	1.62	YES	
L0004571	0	0.10580E-07	402228.3 3755083.4	46.4	3.49	4.00	1.62	YES	
*** AERMOD - VE	RSION	21112 ***	*** C:\Lakes\AERMOD	View\Green	nstone 2nd	14 years			* *
*** AERMET - VE	RSION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 203	9 through	2052		* *

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS) 	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004572	0	0.10580E-07	402236.9	3755083.4	46.5	3.49	4.00	1.62	YES	
L0004573	0	0.10580E-07	402245.4	3755083.5	46.6	3.49	4.00	1.62	YES	
L0004574	0	0.10580E-07	402254.0	3755083.6	46.6	3.49	4.00	1.62	YES	
L0004575	0	0.10580E-07	402262.6	3755083.6	46.7	3.49	4.00	1.62	YES	
L0004576	0	0.10580E-07	402271.2	3755083.7	46.7	3.49	4.00	1.62	YES	
L0004577	0	0.10580E-07	402279.8	3755083.8	46.7	3.49	4.00	1.62	YES	
L0004578	0	0.10580E-07	402288.4	3755083.8	46.7	3.49	4.00	1.62	YES	
L0004579	0	0.10580E-07	402297.0	3755083.9	46.7	3.49	4.00	1.62	YES	
L0004580	0	0.10580E-07	402305.6	3755084.0	46.7	3.49	4.00	1.62	YES	
L0004581	0	0.10580E-07	402314.2	3755084.0	46.7	3.49	4.00	1.62	YES	
L0004582	0	0.10580E-07	402322.8	3755084.1	46.7	3.49	4.00	1.62	YES	

L0004583	0	0.10580E-07	402331.3 3755084.2	46.6	3.49	4.00	1.62	YES	
L0004584	0	0.10580E-07	402339.9 3755084.3	46.6	3.49	4.00	1.62	YES	
L0004585	0	0.10580E-07	402348.5 3755084.3	46.6	3.49	4.00	1.62	YES	
L0004586	0	0.10580E-07	402357.1 3755084.4	46.6	3.49	4.00	1.62	YES	
L0004587	0	0.10580E-07	402365.7 3755084.5	46.7	3.49	4.00	1.62	YES	
L0004588	0	0.10580E-07	402374.3 3755084.5	46.8	3.49	4.00	1.62	YES	
L0004589	0	0.10580E-07	402382.9 3755084.6	46.8	3.49	4.00	1.62	YES	
L0004590	0	0.10580E-07	402391.5 3755084.7	46.8		4.00	1.62	YES	
L0004591	0	0.10580E-07	402400.1 3755084.7	46.9	3.49	4.00	1.62	YES	
L0004592	0	0.10580E-07	402408.6 3755084.8	46.9	3.49	4.00	1.62	YES	
L0004593	0	0.10580E-07	402417.2 3755084.9	46.9	3.49	4.00	1.62	YES	
L0004594	0	0.10580E-07	402425.8 3755084.9	46.9	3.49	4.00	1.62	YES	
L0004595	0	0.10580E-07	402434.4 3755085.0	46.9	3.49	4.00	1.62	YES	
L0004596	0		402443.0 3755085.1	46.9			1.62	YES	
L0004597	0	0.10580E-07	402451.6 3755085.2				1.62	YES	
L0004598	0		402460.2 3755085.2					YES	
L0004599	0		402468.5 3755087.2					YES	
L0004600	0		402468.7 3755095.7			4.00	1.62	YES	
L0004601	0		402468.8 3755104.3			4.00	1.62	YES	
L0004602	0	0.10580E-07	402468.8 3755112.9	47.2	3.49	4.00	1.62	YES	
L0004603	0		402468.9 3755121.5				1.62	YES	
L0004604	0		402468.9 3755130.1				1.62	YES	
L0004605	0		402469.0 3755138.7				1.62	YES	
L0004606	0	0.10580E-07	402469.1 3755147.2	47.6	3.49	4.00	1.62	YES	
L0004607	0	0.10580E-07	402469.1 3755155.8	47.6		4.00	1.62	YES	
L0004608	0		402469.2 3755164.4			4.00	1.62	YES	
L0004609	0		402469.2 3755173.0				1.62	YES	
L0004610	0		402469.3 3755181.6				1.62	YES	
L0004611	0	0.10580E-07	402469.4 3755190.2	47.5	3.49	4.00	1.62	YES	
*** AERMOD	- VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2r	nd 14 year	cs		***
	TTDDGTGN	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	+++ 10471 0	DDM 0		20 -1	1- 0050		at at at

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0004612	0	0.10580E-07	402469.4	3755198.8	47.5	3.49	4.00	1.62	YES	
L0004613	0	0.10580E-07	402469.5	3755207.4	47.5	3.49	4.00	1.62	YES	
L0004614	0	0.10580E-07	402469.5	3755216.0	47.6	3.49	4.00	1.62	YES	
L0004615	0	0.10580E-07	402469.6	3755224.5	47.6	3.49	4.00	1.62	YES	
L0004616	0	0.10580E-07	402469.7	3755233.1	47.7	3.49	4.00	1.62	YES	
L0004617	0	0.10580E-07	402469.7	3755241.7	47.8	3.49	4.00	1.62	YES	
L0004618	0	0.10580E-07	402469.8	3755250.3	47.9	3.49	4.00	1.62	YES	
L0004619	0	0.10580E-07	402469.8	3755258.9	47.8	3.49	4.00	1.62	YES	

L0004620	0	0.10580E-07	402469.9	3755267.5	47.8	3.49	4.00	1.62	YES
L0004621	0	0.10580E-07	402470.0	3755276.1	47.7	3.49	4.00	1.62	YES
L0004622	0	0.10580E-07	402470.0	3755284.7	47.7	3.49	4.00	1.62	YES
L0004623	0	0.10580E-07	402470.1	3755293.3	47.8	3.49	4.00	1.62	YES
L0004624	0	0.10580E-07	402470.1	3755301.9	47.9	3.49	4.00	1.62	YES
L0004625	0	0.10580E-07	402470.2	3755310.4	47.9	3.49	4.00	1.62	YES
L0004626	0	0.10580E-07	402470.3	3755319.0	48.0	3.49	4.00	1.62	YES
L0004627	0	0.10580E-07	402470.3	3755327.6	48.0	3.49	4.00	1.62	YES
L0004628	0	0.10580E-07	402470.4	3755336.2	48.1	3.49	4.00	1.62	YES
L0004629	0	0.10580E-07	402470.4	3755344.8	48.1	3.49	4.00	1.62	YES
L0004630	0	0.10580E-07	402470.5	3755353.4	48.0	3.49	4.00	1.62	YES
L0004631	0	0.10580E-07	402470.6	3755362.0	48.0	3.49	4.00	1.62	YES
L0004632	0	0.10580E-07	402470.6	3755370.6	48.0	3.49	4.00	1.62	YES
L0004633	0	0.10580E-07	402470.7	3755379.2	48.0	3.49	4.00	1.62	YES
L0004634	0	0.10580E-07	402470.7	3755387.8	48.1	3.49	4.00	1.62	YES
L0004635	0	0.10580E-07	402470.8	3755396.3	48.2	3.49	4.00	1.62	YES
L0004636	0	0.10580E-07	402470.9	3755404.9	48.2	3.49	4.00	1.62	YES
L0004637	0	0.10580E-07	402470.9	3755413.5	48.2	3.49	4.00	1.62	YES
L0004638	0	0.10580E-07	402471.0	3755422.1	48.3	3.49	4.00	1.62	YES
L0004639	0	0.10580E-07	402471.0	3755430.7	48.3	3.49	4.00	1.62	YES
L0004640	0	0.10580E-07	402471.1	3755439.3	48.3	3.49	4.00	1.62	YES
L0004641	0	0.10580E-07	402471.2	3755447.9	48.4	3.49	4.00	1.62	YES
L0004642	0	0.42300E-09	402197.9	3754584.0	43.8	3.49	4.00	1.62	YES
L0004643	0	0.42300E-09	402197.9	3754575.4	43.7	3.49	4.00	1.62	YES
L0004644	0	0.42300E-09	402198.0	3754566.8	43.6	3.49	4.00	1.62	YES
L0004645	0	0.42300E-09	402198.0	3754558.2	43.5	3.49	4.00	1.62	YES
L0004646	0	0.42300E-09	402198.0	3754549.6	43.5	3.49	4.00	1.62	YES
L0004647	0	0.42300E-09	402198.0	3754541.0	43.4	3.49	4.00	1.62	YES
L0004648	0	0.42300E-09	402198.1	3754532.5	43.2	3.49	4.00	1.62	YES
L0004649	0	0.42300E-09	402198.1	3754523.9	43.1	3.49	4.00	1.62	YES
L0004650	0	0.42300E-09	402198.1	3754515.3	42.9	3.49	4.00	1.62	YES
L0004651	0	0.42300E-09	402198.1	3754506.7	42.8	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y) (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY	
L0004652	0	0.42300E-09	402198.2	3754498.1	42.6	3.49	4.00	1.62	YES		
L0004653	0	0.42300E-09	402198.2	3754489.5	42.5	3.49	4.00	1.62	YES		
L0004654	0	0.42300E-09	402198.2	3754480.9	42.4	3.49	4.00	1.62	YES		
L0004655	0	0.42300E-09	402198.2	3754472.3	42.3	3.49	4.00	1.62	YES		
L0004656	0	0.42300E-09	402198.3	3754463.7	42.2	3.49	4.00	1.62	YES		

L0004657	0	0.42300E-09	402198.3 3754455.1	42.1	3.49	4.00	1.62	YES	
L0004658	0	0.42300E-09	402198.3 3754446.6	42.0	3.49	4.00	1.62	YES	
L0004659	0	0.42300E-09	402198.4 3754438.0	41.9	3.49	4.00	1.62	YES	
L0004660	0	0.42300E-09	402198.4 3754429.4	41.8	3.49	4.00	1.62	YES	
L0004661	0	0.42300E-09	402198.4 3754420.8	41.7	3.49	4.00	1.62	YES	
L0004662	0	0.42300E-09	402198.4 3754412.2	41.6	3.49	4.00	1.62	YES	
L0004663	0	0.42300E-09	402198.5 3754403.6	41.5	3.49	4.00	1.62	YES	
L0004664	0	0.42300E-09	402198.5 3754395.0	41.4	3.49	4.00	1.62	YES	
L0004665	0	0.42300E-09	402198.5 3754386.4	41.3	3.49	4.00	1.62	YES	
L0004666	0	0.42300E-09	402198.5 3754377.8	41.1	3.49	4.00	1.62	YES	
L0004667	0	0.42300E-09	402198.6 3754369.2	40.9	3.49	4.00	1.62	YES	
L0004668	0	0.42300E-09	402198.6 3754360.7	40.7	3.49	4.00	1.62	YES	
L0004669	0	0.42300E-09	402198.6 3754352.1	40.6	3.49	4.00	1.62	YES	
L0004670	0	0.42300E-09	402198.7 3754343.5	40.5	3.49	4.00	1.62	YES	
L0004671	0	0.42300E-09	402198.7 3754334.9	40.4	3.49	4.00	1.62	YES	
L0004672	0	0.42300E-09	402198.7 3754326.3	40.4	3.49	4.00	1.62	YES	
L0004673	0	0.42300E-09	402198.7 3754317.7	40.3	3.49	4.00	1.62	YES	
L0004674	0	0.42300E-09	402198.8 3754309.1	40.2	3.49	4.00	1.62	YES	
L0004675	0	0.42300E-09	402198.8 3754300.5	40.1	3.49	4.00	1.62	YES	
L0004676	0	0.42300E-09	402198.8 3754291.9	40.1	3.49	4.00	1.62	YES	
L0004677	0	0.42300E-09	402198.8 3754283.3	40.1	3.49	4.00	1.62	YES	
L0004678	0	0.42300E-09	402198.9 3754274.8	40.1	3.49	4.00	1.62	YES	
L0004679	0	0.42300E-09	402198.9 3754266.2	40.1	3.49	4.00	1.62	YES	
L0004680	0	0.42300E-09	402198.9 3754257.6	40.1	3.49	4.00	1.62	YES	
L0004681	0	0.42300E-09	402198.9 3754249.0	40.1	3.49	4.00	1.62	YES	
L0004682	0	0.42300E-09	402199.0 3754240.4	40.1	3.49	4.00	1.62	YES	
L0004683	0	0.42300E-09	402199.0 3754231.8	40.0	3.49	4.00	1.62	YES	
L0004684	0	0.42300E-09	402199.0 3754223.2	39.9	3.49	4.00	1.62	YES	
L0004685	0	0.42300E-09	402199.1 3754214.6	39.9	3.49	4.00	1.62	YES	
L0004686	0	0.42300E-09	402199.1 3754206.0	39.8	3.49	4.00	1.62	YES	
L0004687	0	0.42300E-09	402199.1 3754197.4	39.7	3.49	4.00	1.62	YES	
L0004688	0	0.42300E-09	402199.1 3754188.9	39.6	3.49	4.00	1.62	YES	
L0004689	0	0.42300E-09	402199.2 3754180.3	39.6	3.49	4.00	1.62	YES	
L0004690	0	0.42300E-09	402199.2 3754171.7	39.5	3.49	4.00	1.62	YES	
L0004691	0	0.42300E-09	402199.2 3754163.1	39.5	3.49	4.00	1.62	YES	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RATI	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0004692	0	0.42300E-09	402199.2	3754154.5	39.4	3.49	4.00	1.62	YES		
L0004693	0	0.42300E-09	402199.3	3754145.9	39.4	3.49	4.00	1.62	YES		

L0004694	0	0.42300E-09	402199.3 3754137.3	39.4	3.49	4.00	1.62	YES		
L0004695	0	0.42300E-09		39.3	3.49	4.00	1.62	YES		
L0004696	0	0.42300E-09		39.3	3.49	4.00	1.62	YES		
L0004697	0	0.42300E-09	402199.4 3754120.1	39.3	3.49	4.00	1.62	YES		
L0004698	0	0.42300E-09	402199.4 3754111.5	39.3	3.49	4.00	1.62	YES		
L0004699	0	0.42300E-09	402199.4 3754094.4	39.4	3.49	4.00	1.62	YES		
L0004700	0	0.42300E-09 0.42300E-09		39.4	3.49	4.00	1.62	YES		
L0004700 L0004701		0.42300E-09 0.42300E-09		39.4	3.49	4.00	1.62	YES		
L0004701 L0004702	0	0.42300E-09 0.42300E-09				4.00				
	0		402199.5 3754068.6	39.5	3.49		1.62	YES		
L0004703	0	0.42300E-09	402199.5 3754060.0	39.5	3.49	4.00	1.62	YES		
L0004704	0	0.42300E-09	402199.6 3754051.4	39.6	3.49	4.00	1.62	YES		
L0004705	0	0.42300E-09	402199.6 3754042.8	39.5	3.49	4.00	1.62	YES		
L0004706	0	0.42300E-09	402199.6 3754034.2	39.4	3.49	4.00	1.62	YES		
L0004707	0	0.42300E-09		39.3	3.49	4.00	1.62	YES		
L0004708	0	0.42300E-09		39.3	3.49	4.00	1.62	YES		
L0004709	0	0.42300E-09		39.2	3.49	4.00	1.62	YES		
L0004710	0	0.42300E-09		39.1	3.49	4.00	1.62	YES		
L0004711	0	0.42300E-09	402199.8 3753991.3	39.0	3.49	4.00	1.62	YES		
L0004712	0	0.42300E-09	402199.8 3753982.7	38.9	3.49	4.00	1.62	YES		
L0004713	0	0.42300E-09	402199.8 3753974.1	38.7	3.49	4.00	1.62	YES		
L0004714	0	0.42300E-09	402199.8 3753965.5	38.6	3.49	4.00	1.62	YES		
L0004715	0	0.42300E-09	402199.9 3753956.9	38.5	3.49	4.00	1.62	YES		
L0004716	0	0.42300E-09	402199.9 3753948.3	38.4	3.49	4.00	1.62	YES		
L0004717	0	0.42300E-09	402199.9 3753939.8	38.3	3.49	4.00	1.62	YES		
L0004718	0	0.42300E-09	402199.9 3753931.2	38.3	3.49	4.00	1.62	YES		
L0004719	0	0.42300E-09	402200.0 3753922.6	38.2	3.49	4.00	1.62	YES		
L0004720	0	0.42300E-09	402200.0 3753914.0	38.2	3.49	4.00	1.62	YES		
L0004721	0	0.42300E-09	402200.0 3753905.4	38.2	3.49	4.00	1.62	YES		
L0004722	0	0.42300E-09	402200.2 3753896.8	38.1	3.49	4.00	1.62	YES		
L0004723	0	0.42300E-09	402202.3 3753888.7	38.0	3.49	4.00	1.62	YES		
L0004724	0	0.42300E-09	402210.2 3753886.8	38.1	3.49	4.00	1.62	YES		
L0004725	0	0.42300E-09		38.3	3.49	4.00	1.62	YES		
L0004726	0	0.42300E-09		38.5	3.49	4.00	1.62	YES		
L0004727	0	0.42300E-09	402235.9 3753886.8	38.7	3.49	4.00	1.62	YES		
L0004728	0	0.42300E-09	402244.5 3753886.8	38.8	3.49	4.00	1.62	YES		
L0004729	0	0.42300E-09	402253.1 3753886.8	39.0	3.49	4.00	1.62	YES		
L0001729	0	0.42300E-09	402261.7 3753886.8	39.1	3.49	4.00	1.62	YES		
L0001730	0	0.42300E-09	402270.3 3753886.9	39.2	3.49	4.00	1.62	YES		
T0004/21	J	0.423005-09	1022/0.3 3/33000.9	39.2	3.42	4.00	1.02	1110		
*** AERMOD -	. WERSTON	T 21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone ?	nd 14 vesr	^a		***	01/20/22
*** AERMET -			*** 19471 Greenstone						***	19:02:41
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										PAGE IU

	NUMBER	EMISSION RATE			BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION I	RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR V	ARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	

L0004732	0	0.42300E-09	402278.9 3753886.9	39.4	3.49	4.00	1.62	YES
L0004733	0	0.42300E-09	402287.5 3753886.9	39.6	3.49	4.00	1.62	YES
L0004734	0	0.42300E-09	402296.1 3753886.9	39.7	3.49	4.00	1.62	YES
L0004735	0	0.42300E-09	402304.6 3753886.9	39.8	3.49	4.00	1.62	YES
L0004736	0	0.42300E-09	402313.2 3753886.9	39.8	3.49	4.00	1.62	YES
L0004737	0	0.42300E-09	402321.8 3753886.9	40.0	3.49	4.00	1.62	YES
L0004738	0	0.42300E-09	402330.4 3753886.9	40.3	3.49	4.00	1.62	YES
L0004739	0	0.42300E-09	402339.0 3753887.0	40.5	3.49	4.00	1.62	YES
L0004740	0	0.42300E-09	402347.6 3753887.0	40.6	3.49	4.00	1.62	YES
L0004741	0	0.42300E-09	402356.2 3753887.0	40.8	3.49	4.00	1.62	YES
L0004742	0	0.42300E-09	402364.8 3753887.0	41.0	3.49	4.00	1.62	YES
L0004743	0	0.42300E-09	402373.4 3753887.0	41.1	3.49	4.00	1.62	YES
L0004744	0	0.42300E-09	402382.0 3753887.0	41.2	3.49	4.00	1.62	YES
L0004745	0	0.42300E-09	402390.5 3753887.0	41.3	3.49	4.00	1.62	YES
L0004746	0	0.42300E-09	402399.1 3753887.0	41.5	3.49	4.00	1.62	YES
L0004747	0	0.42300E-09	402407.7 3753887.1	41.7	3.49	4.00	1.62	YES
L0004748	0	0.42300E-09	402416.3 3753887.1	41.9	3.49	4.00	1.62	YES
L0004749	0	0.42300E-09	402424.9 3753887.1	41.9	3.49	4.00	1.62	YES
L0004750	0	0.42300E-09	402433.5 3753887.1	42.0	3.49	4.00	1.62	YES
L0004751	0	0.42300E-09	402442.1 3753887.1	42.0	3.49	4.00	1.62	YES
L0004752	0	0.42300E-09	402450.7 3753887.1	42.0	3.49	4.00	1.62	YES
L0004753	0	0.42300E-09	402459.1 3753886.3	42.0	3.49	4.00	1.62	YES
L0004754	0	0.42300E-09	402465.7 3753881.5	41.9	3.49	4.00	1.62	YES
L0004755	0	0.42300E-09	402467.9 3753873.3	41.8	3.49	4.00	1.62	YES
L0004756	0	0.42300E-09	402468.8 3753864.7	41.7	3.49	4.00	1.62	YES
L0004757	0	0.42300E-09	402468.9 3753856.1	41.7	3.49	4.00	1.62	YES
L0004758	0	0.42300E-09	402468.9 3753847.5	41.6	3.49	4.00	1.62	YES
L0004759	0	0.42300E-09	402468.9 3753839.0	41.6	3.49	4.00	1.62	YES
L0004760	0	0.42300E-09	402468.9 3753830.4	41.6	3.49	4.00	1.62	YES
L0004761	0	0.42300E-09	402468.9 3753821.8	41.6	3.49	4.00	1.62	YES
L0004762	0	0.42300E-09	402468.9 3753813.2	41.6	3.49	4.00	1.62	YES
L0004763	0	0.42300E-09	402469.0 3753804.6	41.6	3.49	4.00	1.62	YES
L0004764	0	0.42300E-09	402469.0 3753796.0	41.5	3.49	4.00	1.62	YES
L0004765	0	0.42300E-09	402469.0 3753787.4	41.5	3.49	4.00	1.62	YES
L0004766	0	0.42300E-09	402469.0 3753778.8	41.5	3.49	4.00	1.62	YES
L0004767	0	0.42300E-09	402469.0 3753770.2	41.5	3.49	4.00	1.62	YES
L0004768	0	0.42300E-09	402469.0 3753761.6	41.4	3.49	4.00	1.62	YES
L0004769	0	0.42300E-09	402469.0 3753753.1	41.4	3.49	4.00	1.62	YES
L0004770	0	0.42300E-09	402469.0 3753744.5	41.3	3.49	4.00	1.62	YES
L0004771	0	0.42300E-09	402469.1 3753735.9	41.3	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

NUMBER EMISSION RATE BASE RELEASE INIT. INIT. URBAN EMISSION RATE

SOURCE ID	PART. CATS.	(GRAMS/SEC)	X	Y (METERS)	ELEV.	HEIGHT	SY (METERS)	SZ	SOURCE	SCALAR BY	VARY	
L0004772	0	0.42300E-09			41.2	3.49	4.00	1.62	YES			
L0004773	0	0.42300E-09			41.1	3.49	4.00	1.62	YES			
L0004774	0	0.42300E-09			41.1	3.49	4.00	1.62	YES			
L0004775	0	0.42300E-09			41.0	3.49	4.00	1.62	YES			
L0004776	0	0.42300E-09			40.9	3.49	4.00	1.62	YES			
L0004777	0	0.42300E-09			40.9	3.49	4.00	1.62	YES			
L0004778	0	0.42300E-09			40.8	3.49	4.00	1.62	YES			
L0004779	0	0.42300E-09			40.7	3.49	4.00	1.62	YES			
L0004780	0	0.42300E-09			40.6	3.49	4.00	1.62	YES			
L0004781	0	0.42300E-09			40.5	3.49	4.00	1.62	YES			
L0004782	0	0.42300E-09			40.4	3.49	4.00	1.62	YES			
L0004783	0	0.42300E-09			40.3	3.49	4.00	1.62	YES			
L0004784	0	0.42300E-09	402469.2	3753624.2	40.2	3.49	4.00	1.62	YES			
L0004785	0	0.42300E-09	402469.2	3753615.6	40.1	3.49	4.00	1.62	YES			
L0004786	0	0.42300E-09	402469.2	3753607.0	40.0	3.49	4.00	1.62	YES			
L0004787	0	0.42300E-09	402469.3	3753598.4	39.9	3.49	4.00	1.62	YES			
L0004788	0	0.42300E-09	402469.3	3753589.8	39.8	3.49	4.00	1.62	YES			
L0004789	0	0.42300E-09	402469.3	3753581.3	39.6	3.49	4.00	1.62	YES			
L0004790	0	0.42300E-09	402469.3	3753572.7	39.5	3.49	4.00	1.62	YES			
L0004791	0	0.42300E-09	402469.3	3753564.1	39.4	3.49	4.00	1.62	YES			
L0004792	0	0.42300E-09	402469.3	3753555.5	39.3	3.49	4.00	1.62	YES			
L0004793	0	0.42300E-09	402469.3	3753546.9	39.1	3.49	4.00	1.62	YES			
L0004794	0	0.42300E-09	402469.4	3753538.3	39.0	3.49	4.00	1.62	YES			
L0004795	0	0.42300E-09	402469.4	3753529.7	38.9	3.49	4.00	1.62	YES			
L0004796	0	0.42300E-09	402469.4	3753521.1	38.7	3.49	4.00	1.62	YES			
L0004797	0	0.42300E-09	402469.4	3753512.5	38.4	3.49	4.00	1.62	YES			
L0004798	0	0.42300E-09	402469.4	3753503.9	38.2	3.49	4.00	1.62	YES			
L0004799	0	0.42300E-09	402469.4	3753495.4	38.0	3.49	4.00	1.62	YES			
L0004800	0	0.53020E-08	400852.5	3753485.2	32.9	3.49	4.00	1.62	YES			
L0004801	0	0.53020E-08	400861.1	3753485.2	32.9	3.49	4.00	1.62	YES			
L0004802	0	0.53020E-08	400869.7	3753485.3	32.9	3.49	4.00	1.62	YES			
L0004803	0	0.53020E-08	400878.2	3753485.3	32.8	3.49	4.00	1.62	YES			
L0004804	0	0.53020E-08	400886.8	3753485.3	32.8	3.49	4.00	1.62	YES			
L0004805	0	0.53020E-08	400895.4	3753485.4	32.8	3.49	4.00	1.62	YES			
L0004806	0	0.53020E-08	400904.0	3753485.4	32.8	3.49	4.00	1.62	YES			
L0004807	0	0.53020E-08	400912.6	3753485.4	32.8	3.49	4.00	1.62	YES			
L0004808	0	0.53020E-08	400921.2	3753485.5	32.8	3.49	4.00	1.62	YES			
L0004809	0	0.53020E-08	400929.8		32.8	3.49	4.00	1.62	YES			
L0004810	0	0.53020E-08	400938.4	3753485.5	32.8	3.49	4.00	1.62	YES			
L0004811	0	0.53020E-08			32.8	3.49	4.00	1.62	YES			
*** AERMOD -	VERSION	21112 ***	*** C:\La	kes\AERMOD	View\Gr	eenstone 2	2nd 14 yea	ars			***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471	Greenston	e DPM Co	nc Years 2	2039 throi	ıgh 2052			* * *	19:02:41
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X	Y (METERS)	BASE ELEV. (METERS)			INIT. SZ (METERS)		EMISSION RATE SCALAR VARY BY
L0004812	0	0.53020E-08	4000EE 6	2752405 6	32.8	3.49	4.00	1.62	YES	
L0004812	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004813	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004814	0	0.53020E-08			32.8	3.49	4.00	1.62	YES	
L0004815	0	0.53020E-08			32.8	3.49	4.00	1.62	YES	
L0004817	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004817	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004819	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004820	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004821	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004822	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004823	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004824	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004825	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004826	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004827	0	0.53020E-08			32.7	3.49	4.00	1.62	YES	
L0004828	0	0.53020E-08			32.6	3.49	4.00	1.62	YES	
L0004829	0	0.53020E-08			32.6	3.49	4.00	1.62	YES	
L0004830	0	0.53020E-08			32.6	3.49	4.00	1.62	YES	
L0004831	0	0.53020E-08			32.5	3.49	4.00	1.62	YES	
L0004832	0	0.53020E-08			32.5	3.49	4.00	1.62	YES	
L0004833	0	0.53020E-08			32.5	3.49	4.00	1.62	YES	
L0004834	0	0.53020E-08			32.5	3.49	4.00	1.62	YES	
L0004835	0	0.53020E-08			32.6	3.49	4.00	1.62	YES	
L0004836	0	0.53020E-08			32.5	3.49	4.00	1.62	YES	
L0004837	0	0.53020E-08	401170.3	3753486.5	32.5	3.49	4.00	1.62	YES	
L0004838	0	0.53020E-08	401178.9	3753486.5	32.4	3.49	4.00	1.62	YES	
L0004839	0	0.53020E-08	401187.5	3753486.5	32.4	3.49	4.00	1.62	YES	
L0004840	0	0.53020E-08	401196.1	3753486.6	32.4	3.49	4.00	1.62	YES	
L0004841	0	0.53020E-08	401204.7	3753486.6	32.3	3.49	4.00	1.62	YES	
L0004842	0	0.53020E-08	401213.3	3753486.6	32.3	3.49	4.00	1.62	YES	
L0004843	0	0.53020E-08	401221.8	3753486.7	32.3	3.49	4.00	1.62	YES	
L0004844	0	0.53020E-08	401230.4	3753486.7	32.4	3.49	4.00	1.62	YES	
L0004845	0	0.53020E-08	401239.0	3753486.7	32.3	3.49	4.00	1.62	YES	
L0004846	0	0.53020E-08	401247.6	3753486.8	32.3	3.49	4.00	1.62	YES	
L0004847	0	0.53020E-08	401256.2	3753486.8	32.2	3.49	4.00	1.62	YES	
L0004848	0	0.53020E-08	401264.8	3753486.8	32.2	3.49	4.00	1.62	YES	
L0004849	0	0.53020E-08	401273.4	3753486.9	32.3	3.49	4.00	1.62	YES	
L0004850	0	0.53020E-08	401282.0	3753486.9	32.4	3.49	4.00	1.62	YES	
L0004851	0	0.53020E-08	401290.6	3753486.9	32.4	3.49	4.00	1.62	YES	
*** AERMOD -	- VERSION	21112 ***	*** C:\T.a	kes\AERMOT) View\Cr	eenstone '	2nd 14 ves	ars		*** 01/20/22
*** AERMET -	- VERSION	16216 ***	*** 19471	Greenstor	PPM Co	nc Years	2039 thro	ah 2052		*** 01/20/22 *** 19:02:41
ABINEL	VERBION	10210	1711	CI CCIID COI	C DIM CO	ic icais .		.g., 2002		PAGE 13

	NUMBER	EMISSION RAT	Ε		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT				SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
T 00040F0	0	0 52020# 00	401200 2	2752407 0	20 4	2 40	4 00	1 (0	VEC	
		0.53020E-08						1.62	YES	
L0004853	0	0.53020E-08					4.00	1.62	YES	
L0004854	0 0	0.53020E-08					4.00	1.62	YES	
L0004855	0	0.53020E-08					4.00	1.62	YES	
L0004856	0	0.53020E-08 0.53020E-08					4.00	1.62 1.62	YES	
L0004857	0 0						4.00		YES	
L0004858	0	0.53020E-08					4.00	1.62	YES	
L0004859	0	0.53020E-08 0.53020E-08					4.00	1.62 1.62	YES YES	
L0004860	0 0	0.53020E-08 0.53020E-08					4.00	1.62		
		0.53020E-08					4.00		YES YES	
L0004862	0 0	0.53020E-08						1.62	YES	
L0004863 L0004864	0	0.53020E-08					4.00	1.62 1.62	YES	
10004864	0	0.53020E-08						1.62		
L0004865	0 0						4.00		YES	
L0004866	0	0.53020E-08 0.53020E-08					4.00	1.62 1.62	YES YES	
L0004867 L0004868	0	0.53020E-08					4.00	1.62	YES	
L0004869	0 0	0.53020E-08					4.00	1.62	YES	
L0004870	0	0.53020E-08					4.00	1.62	YES	
L0004870	0	0.53020E-08					4.00	1.62	YES	
L0004871	0 0 0	0.53020E-08					4.00	1.62	YES	
L0004872	0	0.53020E-08					4.00	1.62	YES	
L0004874	0 0	0.53020E-08					4.00	1.62	YES	
L0004875	0	0.53020E-08					4.00	1.62	YES	
L0004875	0	0.53020E-08					4.00	1.62	YES	
L0001873	0 0	0.53020E-08					4.00	1.62	YES	
L0004878	0	0.53020E-08					4.00	1.62	YES	
L0001879	0 0	0.53020E-08					4.00	1.62	YES	
	0	0.53020E-08					4.00	1.62	YES	
		0.53020E-08					4.00	1.62	YES	
L0004882	0 0	0.53020E-08					4.00	1.62	YES	
	0	0.53020E-08					4.00	1.62	YES	
L0004884	0	0.53020E-08					4.00	1.62	YES	
L0004885	0	0.53020E-08					4.00	1.62	YES	
L0004886	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004887	0	0.53020E-08					4.00	1.62	YES	
L0004888	0 0	0.53020E-08					4.00	1.62	YES	
L0004889	0					3.49	4.00	1.62	YES	
L0004889 L0004890 L0004891	0	0.53020E-08	401625.6	3753488.2	34.5	3.49	4.00	1.62	YES	
L0004891	0	0.53020E-08	401634.2	3753488.3	34.6		4.00	1.62	YES	

SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	E X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	SZ	SOURCE	EMISSION RATE SCALAR VARY BY
				. <u>-</u>						
T 0004000	0	0.53020E-08	401640 0	2752400 2	24.6	3.49	4.00	1.62	YES	
L0004892 L0004893 L0004894 L0004895	0	0.530ZUE-08	401642.8	3/33488.3	34.0	3.49	4.00	1.62	YES	
T 0004693	0	0.53020E-08 0.53020E-08	401051.3	2752400.3	24.7	2 /0	4.00	1.62	YES	
1.0004894	0	0.53020E-08	401059.9	3753400.4	24.7	3.49	4.00	1.62	YES	
1.0004095	0	0.53020E-08					4.00	1.62	YES	
T.0004897	0	0.53020E-08				3.49	4.00	1.62	YES	
T.0004898	0	0.53020E-08					4.00	1.62	YES	
T.0004899	0	0.53020E-08					4.00	1.62	YES	
T-0004900	0	0.53020E-08					4.00	1.62	YES	
L0004901	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004897 L0004898 L0004899 L0004900 L0004901 L0004902	0	0.53020E-08					4.00	1.62	YES	
L0004903	0	0.53020E-08					4.00	1.62	YES	
L0004904	0	0.53020E-08					4.00	1.62	YES	
L0004905	0	0.53020E-08	401754.4	3753488.8	34.7		4.00	1.62	YES	
L0004906	0	0.53020E-08	401763.0	3753488.8			4.00	1.62	YES	
L0004907	0	0.53020E-08			34.7	3.49	4.00	1.62	YES	
L0004903 L0004904 L0004905 L0004906 L0004907 L0004908 L0004909	0	0.53020E-08	401780.2	3753488.9	34.6	3.49	4.00	1.62	YES	
L0004909	0	0.53020E-08	401788.8	3753488.9	34.6	3.49	4.00	1.62	YES	
L0004909 L0004910 L0004911 L0004913 L0004914 L0004915 L0004916 L0004917 L0004918 L0004919 L0004920 L0004921 L0004922	0	0.53020E-08	401797.4	3753488.9	34.5	3.49	4.00	1.62	YES	
L0004911	0	0.53020E-08					4.00	1.62	YES	
L0004912	0	0.53020E-08					4.00	1.62	YES	
L0004913	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004914	0	0.53020E-08					4.00	1.62	YES	
L0004915	0	0.53020E-08					4.00	1.62	YES	
L0004916	0	0.53020E-08					4.00	1.62	YES	
L0004917	0	0.53020E-08					4.00	1.62	YES	
L0004918	0	0.53020E-08					4.00	1.62	YES	
L0004919	0	0.53020E-08					4.00	1.62	YES	
L0004920	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004921	0	0.53020E-08					4.00	1.62	YES	
L0004922	0	0.53020E-08					4.00	1.62	YES	
L0004923	0	0.53020E-08					4.00	1.62	YES	
L0004924	0	0.53020E-08			32.8	3.49	4.00	1.62	YES	
L0004923 L0004924 L0004925 L0004926 L0004927 L0004928 L0004929	U	0.53020E-08					4.00	1.62	YES	
LUUU4926	U	0.53020E-08 0.53020E-08					4.00 4.00	1.62 1.62	YES YES	
T 0004927	0	0.53020E-08				3.49 3.49	4.00	1.62	YES	
T.0004920	0	0.53020E-08					4.00	1.62	YES	
T000#272	U	0.550ZUE-08	701200.0	J/JJ#07.0	33.4	3.43	4.00	⊥.0∠	TEO	

L0004930	0	0.53020E-08	401969.2 3753489.6	33.1	3.49	4.00	1.62	YES		
L0004931	0	0.53020E-08	401977.8 3753489.6	32.9	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2r	nd 14 year	S		***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 20	39 throug	sh 2052		***	19:02:41
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	NUMBER	EMISSION RATE	3		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
	_									
L0004932		0.53020E-08					4.00	1.62	YES	
		0.53020E-08					4.00	1.62	YES	
L0004934		0.53020E-08					4.00	1.62	YES	
L0004935	0	0.53020E-08					4.00	1.62	YES	
L0004936	0	0.53020E-08					4.00	1.62	YES	
L0004937	0	0.53020E-08					4.00	1.62	YES	
L0004938	0			3753489.9			4.00	1.62	YES	
L0004939	0	0.53020E-08					4.00	1.62	YES	
L0004940	0	0.53020E-08					4.00	1.62	YES	
L0004941	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004942	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004943	0	0.53020E-08	402080.8	3753490.0			4.00	1.62	YES	
L0004944	0	0.53020E-08	402089.4	3753490.1	34.9	3.49	4.00	1.62	YES	
L0004945	0	0.53020E-08	402098.0	3753490.1	35.3	3.49	4.00	1.62	YES	
L0004946	0	0.53020E-08	402106.6	3753490.1	35.7	3.49	4.00	1.62	YES	
L0004947	0	0.53020E-08	402115.2	3753490.2	35.9	3.49	4.00	1.62	YES	
L0004948	0	0.53020E-08	402123.8	3753490.2	36.0	3.49	4.00	1.62	YES	
L0004949	0	0.53020E-08	402132.4	3753490.2	36.1	3.49	4.00	1.62	YES	
L0004950	0	0.53020E-08	402141.0	3753490.3	36.4	3.49	4.00	1.62	YES	
L0004951	0	0.53020E-08	402149.6	3753490.3	36.6	3.49	4.00	1.62	YES	
L0004952	0	0.53020E-08	402158.1	3753490.3	36.8	3.49	4.00	1.62	YES	
L0004953	0	0.53020E-08	402166.7	3753490.4	36.8	3.49	4.00	1.62	YES	
L0004954	0	0.53020E-08	402175.3	3753490.4	36.9	3.49	4.00	1.62	YES	
L0004955	0	0.53020E-08	402183.9	3753490.4	37.0	3.49	4.00	1.62	YES	
L0004956	0	0.53020E-08	402192.5	3753490.5	37.2	3.49	4.00	1.62	YES	
L0004957	0	0.53020E-08	402201.1	3753490.5	37.3	3.49	4.00	1.62	YES	
L0004958	0	0.53020E-08	402209.7	3753490.5	37.5	3.49	4.00	1.62	YES	
L0004959	0	0.53020E-08	402218.3	3753490.6	37.5	3.49	4.00	1.62	YES	
L0004960	0	0.53020E-08	402226.9	3753490.6	37.6	3.49	4.00	1.62	YES	
L0004961	0	0.53020E-08	402235.5	3753490.6	37.7	3.49	4.00	1.62	YES	
L0004962	0	0.53020E-08	402244.0	3753490.7	37.9	3.49	4.00	1.62	YES	
L0004962 L0004963 L0004964	0	0.53020E-08	402252.6	3753490.7	38.1	3.49	4.00	1.62	YES	
L0004964	0	0.53020E-08				3.49	4.00	1.62	YES	
L0004965	0	0.53020E-08	402269.8	3753490.8	38.3		4.00	1.62	YES	
	0	0.53020E-08				3.49	4.00	1.62	YES	

L0004967 L0004968 L0004969 L0004970 L0004971	0 0 0 0	0.53020E-08 0.53020E-08 0.53020E-08 0.53020E-08 0.53020E-08	402287.0 3753490.9 402295.6 3753491.0 402304.2 3753491.2 402312.8 3753491.3 402321.4 3753491.4	38.4 38.4 38.4 38.4 38.4	3.49 3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62 1.62	YES YES YES YES YES		
*** AERMOD - *** AERMET -			*** C:\Lakes\AERMOD *** 19471 Greenstone			_			* * * * * *	01/20/22 19:02:41 PAGE 16

	NUMBER	EMISSION RATE	₫		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0004972	0	0.53020E-08				3.49	4.00	1.62	YES		
L0004973	0	0.53020E-08				3.49	4.00	1.62	YES		
L0004974	0	0.53020E-08			38.4	3.49	4.00	1.62	YES		
L0004975	0	0.53020E-08			38.5	3.49	4.00	1.62	YES		
L0004976	0			3753491.1		3.49	4.00	1.62	YES		
L0004977	0	0.53020E-08		3753490.7	38.4	3.49	4.00	1.62	YES		
L0004978	0	0.53020E-08		3753490.4	38.4	3.49	4.00	1.62	YES		
L0004979	0	0.53020E-08		3753490.0	38.3	3.49	4.00	1.62	YES		
L0004980	0	0.53020E-08		3753489.5	38.4	3.49	4.00	1.62	YES		
L0004981	0	0.53020E-08	402407.1	3753488.2	38.4	3.49	4.00	1.62	YES		
L0004982	0	0.53020E-08		3753487.0	38.4	3.49	4.00	1.62	YES		
L0004983	0	0.53020E-08	402424.1	3753485.8	38.4	3.49	4.00	1.62	YES		
L0004984	0	0.53020E-08	402432.6	3753484.6	38.3	3.49	4.00	1.62	YES		
L0004985	0	0.53020E-08				3.49	4.00	1.62	YES		
L0004986	0	0.53020E-08	402449.6	3753481.9	38.0	3.49	4.00	1.62	YES		
L0004987	0	0.53020E-08	402458.0	3753480.4	37.9	3.49	4.00	1.62	YES		
L0004988	0	0.53020E-08	402466.5	3753479.0	37.7	3.49	4.00	1.62	YES		
L0004989	0	0.53020E-08	402475.0	3753477.8	37.6	3.49	4.00	1.62	YES		
L0004990	0	0.53020E-08	402483.5	3753476.8	37.5	3.49	4.00	1.62	YES		
L0004991	0	0.53020E-08	402492.1	3753475.7	37.4	3.49	4.00	1.62	YES		
L0004992	0	0.53020E-08	402500.6	3753474.6	37.4	3.49	4.00	1.62	YES		
L0004993	0	0.53020E-08	402509.1	3753473.5	37.3	3.49	4.00	1.62	YES		
L0004994	0	0.53020E-08	402517.6	3753472.4	37.2	3.49	4.00	1.62	YES		
L0004995	0	0.53020E-08	402526.1	3753471.1	37.1	3.49	4.00	1.62	YES		
L0004996	0	0.53020E-08	402534.6	3753469.9	37.0	3.49	4.00	1.62	YES		
L0004997	0	0.53020E-08	402543.1	3753468.6	36.9	3.49	4.00	1.62	YES		
L0004998	0	0.53020E-08	402551.6	3753467.4	36.8	3.49	4.00	1.62	YES		
L0004999	0	0.53020E-08	402560.2	3753466.9	36.6	3.49	4.00	1.62	YES		
L0005000	0	0.53020E-08	402568.8	3753466.4	36.5	3.49	4.00	1.62	YES		
L0005001	0	0.53020E-08	402577.3	3753465.9	36.4	3.49	4.00	1.62	YES		
L0005002	0	0.53020E-08	402585.9	3753465.3	36.3	3.49	4.00	1.62	YES		
L0005003	0	0.53020E-08	402594.5	3753464.8	36.1	3.49	4.00	1.62	YES		

L0005004	0	0.53020E-08	402603.1 3753464.4	35.9	3.49	4.00	1.62	YES		
L0005005	0	0.53020E-08	402611.7 3753464.5	35.8	3.49	4.00	1.62	YES		
L0005006	0	0.53020E-08	402620.2 3753464.6	35.6	3.49	4.00	1.62	YES		
L0005007	0	0.53020E-08	402628.8 3753464.7	35.5	3.49	4.00	1.62	YES		
L0005008	0	0.53020E-08	402637.4 3753464.8	35.3	3.49	4.00	1.62	YES		
L0005009	0	0.53020E-08	402646.0 3753465.0	35.1	3.49	4.00	1.62	YES		
L0005010	0	0.53020E-08	402654.6 3753465.1	34.9	3.49	4.00	1.62	YES		
L0005011	0	0.53020E-08	402663.2 3753465.2	34.8	3.49	4.00	1.62	YES		
*** AERMOD -	- VERSION	1 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2r	nd 14 year	rs		***	01/20/22
*** AERMET -	- VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 20	39 throug	gh 2052		***	19:02:41
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	NUMBER	EMISSION RATE	C		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
											-
- 0005040											
L0005012	0	0.53020E-08					4.00	1.62	YES		
L0005013	0	0.53020E-08				3.49	4.00	1.62	YES		
L0005014	0			3753465.4		3.49	4.00	1.62	YES		
L0005015	0			3753465.5		3.49	4.00	1.62	YES		
L0005016	0			3753465.6		3.49	4.00	1.62	YES		
L0005017	0			3753465.7		3.49	4.00	1.62	YES		
L0005018	0	0.53020E-08				3.49	4.00	1.62	YES		
L0005019	0	0.53020E-08	402731.9	3753465.8	33.1	3.49	4.00	1.62	YES		
L0005020	0	0.53020E-08	402740.5	3753465.9	33.0	3.49	4.00	1.62	YES		
L0005021	0	0.53020E-08	402749.1	3753466.0	32.8	3.49	4.00	1.62	YES		
L0005022	0	0.53020E-08	402757.7	3753466.0	32.6	3.49	4.00	1.62	YES		
L0005023	0	0.53020E-08	402766.3	3753466.1	32.5	3.49	4.00	1.62	YES		
L0005024	0	0.53020E-08	402774.9	3753466.2	32.3	3.49	4.00	1.62	YES		
L0005025	0	0.53020E-08	402783.4	3753466.3	32.2	3.49	4.00	1.62	YES		
L0005026	0	0.53020E-08	402792.0	3753466.3	32.0	3.49	4.00	1.62	YES		
L0005027	0	0.53020E-08	402800.6	3753466.4	31.9	3.49	4.00	1.62	YES		
L0005028	0	0.53020E-08	402809.2	3753466.5	31.8	3.49	4.00	1.62	YES		
L0005029	0	0.53020E-08	402817.8	3753466.6	31.6	3.49	4.00	1.62	YES		
L0005030	0	0.53020E-08	402826.4	3753466.6	31.4	3.49	4.00	1.62	YES		
L0005031	0	0.53020E-08	402835.0	3753466.7	31.3	3.49	4.00	1.62	YES		
L0005032	0	0.53020E-08	402843.6	3753466.8	31.2	3.49	4.00	1.62	YES		
L0005033	0	0.53020E-08	402852.2	3753466.9	31.1	3.49	4.00	1.62	YES		
L0005034	0	0.53020E-08	402860.8	3753467.0	31.0	3.49	4.00	1.62	YES		
L0005035	0	0.53020E-08	402869.3	3753467.0	31.0	3.49	4.00	1.62	YES		
L0005036	0	0.53020E-08	402877.9	3753467.1	31.0	3.49	4.00	1.62	YES		
L0005037	0			3753467.2	31.0	3.49	4.00	1.62	YES		
L0005037	0	0.53020E-08		3753467.3		3.49	4.00	1.62	YES		
L0005039	0			3753467.3		3.49	4.00	1.62	YES		
		0.53020E-08				3.49	4.00	1.62	YES		
_3000010	ŭ				50.5	5.17	2.00	2.02			

L0005041	0	0.53020E-08	402920.9 3753467.5	30.9	3.49	4.00	1.62	YES		
L0005042	0	0.53020E-08	402929.5 3753467.6	30.9	3.49	4.00	1.62	YES		
L0005043	0	0.53020E-08	402938.1 3753467.6	30.9	3.49	4.00	1.62	YES		
L0005044	0	0.53020E-08	402946.7 3753467.7	30.9	3.49	4.00	1.62	YES		
L0005045	0	0.53020E-08	402955.2 3753467.8	30.8	3.49	4.00	1.62	YES		
L0005046	0	0.53020E-08	402963.8 3753467.9	30.7	3.49	4.00	1.62	YES		
L0005047	0	0.53020E-08	402972.4 3753467.9	30.6	3.49	4.00	1.62	YES		
L0005048	0	0.53020E-08	402981.0 3753468.0	30.5	3.49	4.00	1.62	YES		
L0005049	0	0.53020E-08	402989.6 3753468.1	30.5	3.49	4.00	1.62	YES		
L0005050	0	0.53020E-08	402998.2 3753468.2	30.5	3.49	4.00	1.62	YES		
L0005051	0	0.53020E-08	403006.8 3753468.3	30.5	3.49	4.00	1.62	YES		
*** AERMOD -	VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	nd 14 vear	s		***	01/20/22
*** AERMET -	VERSION	16216 ***	*** 19471 Greenstone	•		-			***	19:02:41 PAGE 18

	NUMBER	EMISSION RATI	Ξ		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE	
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0005052	0	0.53020E-08	403015 4	3753469 3	30.5	3.49	4.00	1.62	YES		
L0005052	0	0.53020E-08			30.5	3.49	4.00	1.62	YES		
L0005053	0	0.53020E-08		3753468.5	30.5	3.49	4.00	1.62	YES		
L0005051	0	0.53020E-08		3753468.6	30.5	3.49	4.00	1.62	YES		
L0005055	0			3753468.6	30.5	3.49	4.00	1.62	YES		
L0005050	0	0.53020E-08		3753468.7	30.4	3.49	4.00	1.62	YES		
L0005057	0			3753468.8	30.4	3.49	4.00	1.62	YES		
L0005050	0	0.53020E-08		3753468.9	30.4	3.49	4.00	1.62	YES		
L0005060	0	0.53020E-08		3753468.9	30.4	3.49	4.00	1.62	YES		
L0005061	0	0.53020E-08		3753469.0	30.4	3.49	4.00	1.62	YES		
L0005062	0	0.53020E-08	403101.3	3753469.1	30.4	3.49	4.00	1.62	YES		
L0005063	0	0.53020E-08	403109.9	3753469.2	30.4	3.49	4.00	1.62	YES		
L0005064	0	0.53020E-08	403118.4	3753469.2	30.4	3.49	4.00	1.62	YES		
L0005065	0	0.53020E-08	403127.0	3753469.3	30.4	3.49	4.00	1.62	YES		
L0005066	0	0.53020E-08	403135.6	3753469.4	30.4	3.49	4.00	1.62	YES		
L0005067	0	0.53020E-08	403144.2	3753469.5	30.4	3.49	4.00	1.62	YES		
L0005068	0	0.53020E-08	403152.8	3753469.5	30.4	3.49	4.00	1.62	YES		
L0005069	0	0.53020E-08	403161.4	3753469.6	30.4	3.49	4.00	1.62	YES		
L0005070	0	0.53020E-08	403170.0	3753469.7	30.5	3.49	4.00	1.62	YES		
L0005071	0	0.53020E-08	403178.6	3753469.8	30.5	3.49	4.00	1.62	YES		
L0005072	0	0.53020E-08	403187.2	3753469.9	30.5	3.49	4.00	1.62	YES		
L0005073	0	0.53020E-08	403195.8	3753469.9	30.4	3.49	4.00	1.62	YES		
L0005074	0	0.53020E-08	403204.3	3753470.0	30.4	3.49	4.00	1.62	YES		
L0005075	0	0.53020E-08	403212.9	3753470.1	30.3	3.49	4.00	1.62	YES		
L0005076	0	0.53020E-08	403221.5	3753470.2	30.3	3.49	4.00	1.62	YES		
L0005077	0	0.53020E-08	403230.1	3753470.2	30.3	3.49	4.00	1.62	YES		

L0005078	0	0.53020E-08	403238.7 3753470.3	30.4	3.49	4.00	1.62	YES		
L0005079	0	0.53020E-08	403247.3 3753470.4	30.4	3.49	4.00	1.62	YES		
L0005080	0	0.53020E-08	403255.9 3753470.5	30.5	3.49	4.00	1.62	YES		
L0005081	0	0.52800E-08	400847.0 3755482.3	41.8	3.49	4.00	1.62	YES		
L0005082	0	0.52800E-08	400855.6 3755482.3	41.7	3.49	4.00	1.62	YES		
L0005083	0	0.52800E-08	400864.2 3755482.3	41.6	3.49	4.00	1.62	YES		
L0005084	0	0.52800E-08	400872.8 3755482.3	41.6	3.49	4.00	1.62	YES		
L0005085	0	0.52800E-08	400881.4 3755482.3	41.8	3.49	4.00	1.62	YES		
L0005086	0	0.52800E-08	400890.0 3755482.3	41.9	3.49	4.00	1.62	YES		
L0005087	0	0.52800E-08	400898.5 3755482.3	42.0	3.49	4.00	1.62	YES		
L0005088	0	0.52800E-08	400907.1 3755482.3	42.0	3.49	4.00	1.62	YES		
L0005089	0	0.52800E-08	400915.7 3755482.3	42.0	3.49	4.00	1.62	YES		
L0005090	0	0.52800E-08	400924.3 3755482.3	42.1	3.49	4.00	1.62	YES		
L0005091	0	0.52800E-08	400932.9 3755482.3	42.0	3.49	4.00	1.62	YES		
*** AERMOD -	- VERSION	1 21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2	nd 14 year	rs		* * *	01/2
*** AERMET -	- VERSION	16216 ***	*** 19471 Greenstone	DPM Con	c Years 2	039 throug	gh 2052		***	19:0
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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005092 L0005093	0	0.52800E-08		3755482.3 3755482.3	42.0 42.2	3.49 3.49	4.00	1.62 1.62	YES YES	
L0005093	0	0.52800E-08		3755482.3	42.2	3.49	4.00	1.62	YES	
L0005091	0	0.52800E-08		3755482.3	42.5	3.49	4.00	1.62	YES	
L0005095	0	0.52800E-08		3755482.3	42.6	3.49	4.00	1.62	YES	
L0005097	0	0.52800E-08		3755482.3	42.6	3.49	4.00	1.62	YES	
L0005098	0	0.52800E-08	400993.0	3755482.3	42.6	3.49	4.00	1.62	YES	
L0005099	0	0.52800E-08	401001.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005100	0	0.52800E-08	401010.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005101	0	0.52800E-08	401018.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005102	0	0.52800E-08	401027.4	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005103	0	0.52800E-08	401036.0	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005104	0	0.52800E-08	401044.6	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005105	0	0.52800E-08	401053.2	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005106	0	0.52800E-08	401061.8	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005107	0	0.52800E-08	401070.3	3755482.3	42.7	3.49	4.00	1.62	YES	
L0005108	0	0.52800E-08		3755482.3	42.7	3.49	4.00	1.62	YES	
L0005109	0	0.52800E-08		3755482.3	42.8	3.49	4.00	1.62	YES	
L0005110	0	0.52800E-08		3755482.3	42.8	3.49	4.00	1.62	YES	
L0005111	0	0.52800E-08		3755482.3	42.9	3.49	4.00	1.62	YES	
L0005112	0	0.52800E-08		3755482.3	43.0	3.49	4.00	1.62	YES	
L0005113	0	0.52800E-08		3755482.3	43.1	3.49	4.00	1.62	YES	
L0005114	0	0.52800E-08	401130.5	3755482.3	43.1	3.49	4.00	1.62	YES	

L0005115	0	0.52800E-08	401139.1	3755482.3	43.0	3.49	4.00	1.62	YES
L0005116	0	0.52800E-08	401147.7	3755482.3	43.0	3.49	4.00	1.62	YES
L0005117	0	0.52800E-08	401156.2	3755482.3	42.9	3.49	4.00	1.62	YES
L0005118	0	0.52800E-08	401164.8	3755482.3	42.9	3.49	4.00	1.62	YES
L0005119	0	0.52800E-08	401173.4	3755482.3	42.9	3.49	4.00	1.62	YES
L0005120	0	0.52800E-08	401182.0	3755482.3	42.9	3.49	4.00	1.62	YES
L0005121	0	0.52800E-08	401190.6	3755482.3	42.9	3.49	4.00	1.62	YES
L0005122	0	0.52800E-08	401199.2	3755482.3	43.0	3.49	4.00	1.62	YES
L0005123	0	0.52800E-08	401207.8	3755482.3	43.0	3.49	4.00	1.62	YES
L0005124	0	0.52800E-08	401216.4	3755482.3	43.0	3.49	4.00	1.62	YES
L0005125	0	0.52800E-08	401225.0	3755482.3	43.1	3.49	4.00	1.62	YES
L0005126	0	0.52800E-08	401233.6	3755482.3	43.0	3.49	4.00	1.62	YES
L0005127	0	0.52800E-08	401242.1	3755482.3	43.0	3.49	4.00	1.62	YES
L0005128	0	0.52800E-08	401250.7	3755482.3	42.9	3.49	4.00	1.62	YES
L0005129	0	0.52800E-08	401259.3	3755482.3	43.0	3.49	4.00	1.62	YES
L0005130	0	0.52800E-08	401267.9	3755482.3	43.0	3.49	4.00	1.62	YES
L0005131	0	0.52800E-08	401276.5	3755482.3	43.1	3.49	4.00	1.62	YES

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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

	NUMBER	EMISSION RAT	E		BASE	RELEASE	INIT.	INIT.	URBAN	EMISSION RATE
SOURCE	PART.	(GRAMS/SEC)	X	Y	ELEV.	HEIGHT	SY	SZ	SOURCE	SCALAR VARY
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY
L0005132	0	0.52800E-08	401285.1	3755482.3	43.1	3.49	4.00	1.62	YES	
L0005133	0	0.52800E-08	401293.7	3755482.3	43.2	3.49	4.00	1.62	YES	
L0005134	0	0.52800E-08	401302.3	3755482.3	43.2	3.49	4.00	1.62	YES	
L0005135	0	0.52800E-08	401310.9	3755482.3	43.3	3.49	4.00	1.62	YES	
L0005136	0	0.52800E-08	401319.5	3755482.3	43.3	3.49	4.00	1.62	YES	
L0005137	0	0.52800E-08	401328.0	3755482.3	43.4	3.49	4.00	1.62	YES	
L0005138	0	0.52800E-08	401336.6	3755482.3	43.3	3.49	4.00	1.62	YES	
L0005139	0	0.52800E-08	401345.2	3755482.3	43.1	3.49	4.00	1.62	YES	
L0005140	0	0.52800E-08	401353.8	3755482.3	43.0	3.49	4.00	1.62	YES	
L0005141	0	0.52800E-08	401362.4	3755482.3	43.0	3.49	4.00	1.62	YES	
L0005142	0	0.52800E-08	401371.0	3755482.3	43.0	3.49	4.00	1.62	YES	
L0005143	0	0.52800E-08	401379.6	3755482.3	42.9	3.49	4.00	1.62	YES	
L0005144	0	0.52800E-08	401388.2	3755482.3	42.9	3.49	4.00	1.62	YES	
L0005145	0	0.52800E-08	401396.8	3755482.3	42.9	3.49	4.00	1.62	YES	
L0005146	0	0.52800E-08	401405.4	3755482.3	42.8	3.49	4.00	1.62	YES	
L0005147	0	0.52800E-08	401413.9	3755482.3	42.8	3.49	4.00	1.62	YES	
L0005148	0	0.52800E-08	401422.5	3755482.3	42.8	3.49	4.00	1.62	YES	
L0005149	0	0.52800E-08	401431.1	3755482.3	42.8	3.49	4.00	1.62	YES	
L0005150	0	0.52800E-08	401439.7	3755482.3	42.9	3.49	4.00	1.62	YES	
L0005151	0	0.52800E-08	401448.3	3755482.3	43.0	3.49	4.00	1.62	YES	

L0005152	0	0.52800E-08	401456.9 3755482.3	43.0	3.49	4.00	1.62	YES	
L0005153	0	0.52800E-08	401465.5 3755482.6	42.9	3.49	4.00	1.62	YES	
L0005154	0	0.52800E-08	401474.0 3755483.7	42.8	3.49	4.00	1.62	YES	
L0005155	0	0.52800E-08	401482.5 3755484.7	42.7	3.49	4.00	1.62	YES	
L0005156	0	0.52800E-08	401491.0 3755485.8	42.8	3.49	4.00	1.62	YES	
L0005157	0	0.52800E-08	401499.6 3755486.9	42.9	3.49	4.00	1.62	YES	
L0005158	0	0.52800E-08	401508.1 3755487.9	42.9	3.49	4.00	1.62	YES	
L0005159	0	0.52800E-08	401516.6 3755489.0	43.0	3.49	4.00	1.62	YES	
L0005160	0	0.52800E-08	401525.2 3755489.3	43.0	3.49	4.00	1.62	YES	
L0005161	0	0.52800E-08	401533.8 3755489.5	43.1	3.49	4.00	1.62	YES	
L0005162	0	0.52800E-08	401542.4 3755489.7	43.1	3.49	4.00	1.62	YES	
L0005163	0	0.52800E-08	401551.0 3755489.9	43.2	3.49	4.00	1.62	YES	
L0005164	0	0.52800E-08	401559.5 3755490.2	43.3	3.49	4.00	1.62	YES	
L0005165	0	0.52800E-08	401568.1 3755490.4	43.5	3.49	4.00	1.62	YES	
L0005166	0	0.52800E-08	401576.7 3755490.6	43.7	3.49	4.00	1.62	YES	
L0005167	0	0.52800E-08	401585.3 3755490.8	43.8	3.49	4.00	1.62	YES	
L0005168	0	0.52800E-08	401593.9 3755491.0	43.9	3.49	4.00	1.62	YES	
L0005169	0	0.52800E-08	401602.5 3755491.3	44.0	3.49	4.00	1.62	YES	
L0005170	0	0.52800E-08	401611.1 3755491.5	44.2	3.49	4.00	1.62	YES	
L0005171	0	0.52800E-08	401619.6 3755491.7	44.2	3.49	4.00	1.62	YES	
*** AERMOD -	- VERSION	1 21112 ***	*** C:\Lakes\AERMOD	View\Gree	enstone 21	nd 14 year	rs		

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005172	0	0.52800E-08	401628.2	3755491.5	44.2	3.49	4.00	1.62	YES	
L0005173	0	0.52800E-08	401636.8	3755491.1	44.2	3.49	4.00	1.62	YES	
L0005174	0	0.52800E-08	401645.4	3755490.7	44.2	3.49	4.00	1.62	YES	
L0005175	0	0.52800E-08	401654.0	3755490.3	44.2	3.49	4.00	1.62	YES	
L0005176	0	0.52800E-08	401662.6	3755489.9	44.2	3.49	4.00	1.62	YES	
L0005177	0	0.52800E-08	401671.1	3755489.5	44.4	3.49	4.00	1.62	YES	
L0005178	0	0.52800E-08	401679.7	3755489.1	44.6	3.49	4.00	1.62	YES	
L0005179	0	0.52800E-08	401688.3	3755488.7	44.7	3.49	4.00	1.62	YES	
L0005180	0	0.52800E-08	401696.9	3755488.3	44.9	3.49	4.00	1.62	YES	
L0005181	0	0.52800E-08	401705.5	3755487.9	45.2	3.49	4.00	1.62	YES	
L0005182	0	0.52800E-08	401714.0	3755487.5	45.4	3.49	4.00	1.62	YES	
L0005183	0	0.52800E-08	401722.6	3755487.1	45.4	3.49	4.00	1.62	YES	
L0005184	0	0.52800E-08	401731.2	3755486.7	45.5	3.49	4.00	1.62	YES	
L0005185	0	0.52800E-08	401739.8	3755486.3	45.5	3.49	4.00	1.62	YES	
L0005186	0	0.52800E-08	401748.4	3755485.9	45.5	3.49	4.00	1.62	YES	
L0005187	0	0.52800E-08	401756.9	3755485.5	45.5	3.49	4.00	1.62	YES	
L0005188	0	0.52800E-08	401765.5	3755485.1	45.5	3.49	4.00	1.62	YES	

L0005189	0	0.52800E-08	401774.1 3755484.7	45.5	3.49	4.00	1.62	YES	
L0005190	0	0.52800E-08	401782.7 3755484.3	45.5	3.49	4.00	1.62	YES	
L0005191	0	0.52800E-08	401791.3 3755483.9	45.5	3.49	4.00	1.62	YES	
L0005192	0	0.52800E-08	401799.8 3755483.5	45.5	3.49	4.00	1.62	YES	
L0005193	0	0.52800E-08	401808.4 3755483.3	45.4	3.49	4.00	1.62	YES	
L0005194	0	0.52800E-08	401817.0 3755483.0	45.4	3.49	4.00	1.62	YES	
L0005195	0	0.52800E-08	401825.6 3755482.8	45.3	3.49	4.00	1.62	YES	
L0005196	0	0.52800E-08	401834.2 3755482.5	45.2	3.49	4.00	1.62	YES	
L0005197	0	0.52800E-08	401842.8 3755482.2	45.1	3.49	4.00	1.62	YES	
L0005198	0	0.52800E-08	401851.4 3755482.0	45.0	3.49	4.00	1.62	YES	
L0005199	0	0.52800E-08	401860.0 3755481.7	44.9	3.49	4.00	1.62	YES	
L0005200	0	0.52800E-08	401868.5 3755481.5	44.8	3.49	4.00	1.62	YES	
L0005201	0	0.52800E-08	401877.1 3755481.2	44.7	3.49	4.00	1.62	YES	
L0005202	0	0.52800E-08	401885.7 3755481.0	44.7	3.49	4.00	1.62	YES	
L0005203	0	0.52800E-08	401894.3 3755480.7	44.6	3.49	4.00	1.62	YES	
L0005204	0	0.52800E-08	401902.9 3755480.4	44.6	3.49	4.00	1.62	YES	
L0005205	0	0.52800E-08	401911.5 3755480.2	44.6	3.49	4.00	1.62	YES	
L0005206	0	0.52800E-08	401920.1 3755479.9	44.6	3.49	4.00	1.62	YES	
L0005207	0	0.52800E-08	401928.6 3755479.7	44.5	3.49	4.00	1.62	YES	
L0005208	0	0.52800E-08	401937.2 3755479.5	44.4	3.49	4.00	1.62	YES	
L0005209	0	0.52800E-08	401945.8 3755479.3	44.2	3.49	4.00	1.62	YES	
L0005210	0	0.52800E-08	401954.4 3755479.1	44.2	3.49	4.00	1.62	YES	
L0005211	0	0.52800E-08	401963.0 3755478.9	44.1	3.49	4.00	1.62	YES	
*** AERMOD -	- VERSION	21112 ***	*** C:\Lakes\AERMOD	View\Gre	enstone 2r	nd 14 year	rs		
*** AERMET -	- VERSION	16216 ***	*** 19471 Greenstone			_			

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATI	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005212	0	0.52800E-08	401971.6	3755478.8	44.1	3.49	4.00	1.62	YES	
L0005213	0	0.52800E-08	401980.2		44.1	3.49	4.00	1.62	YES	
L0005214	0	0.52800E-08	401988.8	3755478.4	44.2	3.49	4.00	1.62	YES	
L0005215	0	0.52800E-08	401997.3	3755478.2	44.3	3.49	4.00	1.62	YES	
L0005216	0	0.52800E-08	402005.9	3755478.1	44.5	3.49	4.00	1.62	YES	
L0005217	0	0.52800E-08	402014.5	3755477.9	44.7	3.49	4.00	1.62	YES	
L0005218	0	0.52800E-08	402023.1	3755477.7	44.9	3.49	4.00	1.62	YES	
L0005219	0	0.52800E-08	402031.7	3755477.5	45.0	3.49	4.00	1.62	YES	
L0005220	0	0.52800E-08	402040.3	3755477.4	45.1	3.49	4.00	1.62	YES	
L0005221	0	0.52800E-08	402048.9	3755477.2	45.2	3.49	4.00	1.62	YES	
L0005222	0	0.52800E-08	402057.5	3755477.0	45.2	3.49	4.00	1.62	YES	
L0005223	0	0.52800E-08	402066.1	3755476.8	45.2	3.49	4.00	1.62	YES	
L0005224	0	0.52800E-08	402074.6	3755476.7	45.3	3.49	4.00	1.62	YES	
L0005225	0	0.52800E-08	402083.2	3755476.5	45.4	3.49	4.00	1.62	YES	

L0005226	0	0.52800E-08	402091.8 3755476.3	45.6	3.49	4.00	1.62	YES	
L0005227	0	0.52800E-08	402100.4 3755476.1	45.7	3.49	4.00	1.62	YES	
L0005228	0	0.52800E-08	402109.0 3755476.0	45.8	3.49	4.00	1.62	YES	
L0005229	0	0.52800E-08	402117.6 3755475.8	45.9	3.49	4.00	1.62	YES	
L0005230	0	0.52800E-08	402126.2 3755475.6	46.0	3.49	4.00	1.62	YES	
L0005231	0	0.52800E-08	402134.8 3755475.4	46.2	3.49	4.00	1.62	YES	
L0005232	0	0.52800E-08	402143.3 3755475.2	46.4	3.49	4.00	1.62	YES	
L0005233	0	0.52800E-08	402151.9 3755474.9	46.5	3.49	4.00	1.62	YES	
L0005234	0	0.52800E-08	402160.5 3755474.6	46.6	3.49	4.00	1.62	YES	
L0005235	0	0.52800E-08	402169.1 3755474.3	46.8	3.49	4.00	1.62	YES	
L0005236	0	0.52800E-08	402177.7 3755474.0	46.9	3.49	4.00	1.62	YES	
L0005237	0	0.52800E-08	402186.3 3755473.7	47.0	3.49	4.00	1.62	YES	
L0005238	0	0.52800E-08	402194.9 3755473.4	47.1	3.49	4.00	1.62	YES	
L0005239	0	0.52800E-08	402203.4 3755473.2	47.3	3.49	4.00	1.62	YES	
L0005240	0	0.52800E-08	402212.0 3755472.9	47.4	3.49	4.00	1.62	YES	
L0005241	0	0.52800E-08	402220.6 3755472.6	47.5	3.49	4.00	1.62	YES	
L0005242	0	0.52800E-08	402229.2 3755472.3	47.6	3.49	4.00	1.62	YES	
L0005243	0	0.52800E-08	402237.8 3755472.0	47.6	3.49	4.00	1.62	YES	
L0005244	0	0.52800E-08	402246.4 3755471.7	47.6	3.49	4.00	1.62	YES	
L0005245	0	0.52800E-08	402255.0 3755471.5	47.6	3.49	4.00	1.62	YES	
L0005246	0	0.52800E-08	402263.5 3755471.2	47.7	3.49	4.00	1.62	YES	
L0005247	0	0.52800E-08	402272.1 3755470.9	47.7	3.49	4.00	1.62	YES	
L0005248	0	0.52800E-08	402280.7 3755470.6	47.7	3.49	4.00	1.62	YES	
L0005249	0	0.52800E-08	402289.3 3755470.3	47.7	3.49	4.00	1.62	YES	
L0005250	0	0.52800E-08	402297.9 3755470.0	47.7	3.49	4.00	1.62	YES	
L0005251	0	0.52800E-08	402306.5 3755469.9	47.7	3.49	4.00	1.62	YES	
*** AERMOD - VE	ERSION	21112 ***	*** C:\Lakes\AERMOD \	/iew\Greer	nstone 2nd	d 14 years			4
*** AERMET - VE	ERSION	16216 ***	*** 19471 Greenstone	DPM Conc	Years 203	39 through	2052		4

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RATE (GRAMS/SEC)	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005252	0	0.52800E-08	402315.1	3755469.7	47.8	3.49	4.00	1.62	YES	
L0005253	0	0.52800E-08	402323.6	3755469.6	47.8	3.49	4.00	1.62	YES	
L0005254	0	0.52800E-08	402332.2	3755469.5	47.8	3.49	4.00	1.62	YES	
L0005255	0	0.52800E-08	402340.8	3755469.4	47.9	3.49	4.00	1.62	YES	
L0005256	0	0.52800E-08	402349.4	3755469.2	47.9	3.49	4.00	1.62	YES	
L0005257	0	0.52800E-08	402358.0	3755469.1	47.9	3.49	4.00	1.62	YES	
L0005258	0	0.52800E-08	402366.6	3755469.0	48.0	3.49	4.00	1.62	YES	
L0005259	0	0.52800E-08	402375.2	3755468.8	48.0	3.49	4.00	1.62	YES	
L0005260	0	0.52800E-08	402383.8	3755468.7	48.0	3.49	4.00	1.62	YES	
L0005261	0	0.52800E-08	402392.4	3755468.6	48.1	3.49	4.00	1.62	YES	
L0005262	0	0.52800E-08	402400.9	3755468.5	48.1	3.49	4.00	1.62	YES	

0 0 0 0 0 0 0	0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08		48.2 48.3 48.3 48.4	3.49 3.49 3.49 3.49	4.00 4.00 4.00 4.00	1.62 1.62 1.62 1.62	YES YES YES YES	
0 0 0 0 0	0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08	402426.7 3755468.2 402435.3 3755468.1 402443.9 3755467.9	48.3 48.3 48.4	3.49 3.49	4.00	1.62	YES	
0 0 0 0 0	0.52800E-08 0.52800E-08 0.52800E-08 0.52800E-08	402435.3 3755468.1 402443.9 3755467.9	48.3 48.4	3.49				
0 0 0 0	0.52800E-08 0.52800E-08 0.52800E-08	402443.9 3755467.9	48.4		4.00	1.62	VEG	
0 0 0 0	0.52800E-08 0.52800E-08							
0 0 0	0.52800E-08	402452.5 3755467.8		3.49	4.00	1.62	YES	
0				3.49	4.00	1.62	YES	
0			48.5	3.49	4.00	1.62	YES	
	0.52800E-08	402469.7 3755467.5	48.5	3.49	4.00	1.62	YES	
	0.52800E-08	402478.2 3755467.6	48.5	3.49	4.00	1.62	YES	
0	0.52800E-08		48.5	3.49	4.00	1.62	YES	
0	0.52800E-08	402495.2 3755470.6	48.6	3.49	4.00	1.62	YES	
0	0.52800E-08	402503.6 3755472.0	48.7	3.49	4.00	1.62	YES	
0	0.52800E-08	402512.1 3755473.5	48.8	3.49	4.00	1.62	YES	
0	0.52800E-08	402520.5 3755475.1	48.8	3.49	4.00	1.62	YES	
0	0.52800E-08	402529.0 3755476.6	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402537.4 3755478.2	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402545.9 3755479.7	49.0	3.49	4.00	1.62	YES	
0	0.52800E-08	402554.2 3755481.8	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402562.6 3755483.8	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402570.9 3755485.8	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402579.3 3755487.8	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402587.6 3755489.8	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402596.0 3755491.7	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402604.4 3755493.5	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402612.8 3755495.3	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402621.2 3755497.1	48.9	3.49	4.00	1.62	YES	
0	0.52800E-08	402629.6 3755498.9	48.9	3.49	4.00		YES	
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** VOLUME SOURCE DATA ***

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SOURCE ID	NUMBER PART. CATS.	EMISSION RAT	X (METERS)	Y (METERS)	BASE ELEV. (METERS)	RELEASE HEIGHT (METERS)	INIT. SY (METERS)	INIT. SZ (METERS)	URBAN SOURCE	EMISSION RATE SCALAR VARY BY
L0005292	0	0.52800E-08	402654.8	3755504.0	49.1	3.49	4.00	1.62	YES	
L0005293	0	0.52800E-08	402663.4	3755504.8	49.2	3.49	4.00	1.62	YES	
L0005294	0	0.52800E-08	402672.0	3755505.6	49.3	3.49	4.00	1.62	YES	
L0005295	0	0.52800E-08	402680.5	3755506.4	49.4	3.49	4.00	1.62	YES	
L0005296	0	0.52800E-08	402689.1	3755507.2	49.5	3.49	4.00	1.62	YES	
L0005297	0	0.52800E-08	402697.6	3755508.0	49.5	3.49	4.00	1.62	YES	
L0005298	0	0.52800E-08	402706.2	3755508.8	49.5	3.49	4.00	1.62	YES	
L0005299	0	0.52800E-08	402714.7	3755509.6	49.5	3.49	4.00	1.62	YES	

L0005300	0	0.52800E-08		3755510.0	49.5	3.49	4.00	1.62	YES
L0005301	0	0.52800E-08		3755510.1	49.5	3.49	4.00	1.62	YES
L0005302	0	0.52800E-08	402740.5	3755510.2	49.6	3.49	4.00	1.62	YES
L0005303	0	0.52800E-08	402749.1	3755510.3	49.6	3.49	4.00	1.62	YES
L0005304	0	0.52800E-08	402757.6	3755510.4	49.7	3.49	4.00	1.62	YES
L0005305	0	0.52800E-08	402766.2	3755510.5	49.7	3.49	4.00	1.62	YES
L0005306	0	0.52800E-08	402774.8	3755510.5	49.8	3.49	4.00	1.62	YES
L0005307	0	0.52800E-08	402783.4	3755510.5	49.9	3.49	4.00	1.62	YES
L0005308	0	0.52800E-08	402792.0	3755510.5	49.9	3.49	4.00	1.62	YES
L0005309	0	0.52800E-08	402800.6	3755510.5	50.0	3.49	4.00	1.62	YES
L0005310	0	0.52800E-08	402809.2	3755510.5	50.0	3.49	4.00	1.62	YES
L0005311	0	0.52800E-08	402817.8	3755510.5	50.1	3.49	4.00	1.62	YES
L0005312	0	0.52800E-08	402826.4	3755510.5	50.1	3.49	4.00	1.62	YES
L0005313	0	0.52800E-08	402835.0	3755510.5	50.1	3.49	4.00	1.62	YES
L0005314	0	0.52800E-08	402843.5	3755510.6	50.1	3.49	4.00	1.62	YES
L0005315	0	0.52800E-08	402852.1	3755510.8	50.2	3.49	4.00	1.62	YES
L0005316	0	0.52800E-08	402860.7	3755511.0	50.3	3.49	4.00	1.62	YES
L0005317	0	0.52800E-08	402869.3	3755511.2	50.4	3.49	4.00	1.62	YES
L0005318	0	0.52800E-08	402877.9	3755511.5	50.5	3.49	4.00	1.62	YES
L0005319	0	0.52800E-08	402886.5	3755511.7	50.5	3.49	4.00	1.62	YES
L0005320	0	0.52800E-08	402895.1	3755511.9	50.5	3.49	4.00	1.62	YES
L0005321	0	0.52800E-08	402903.7	3755512.1	50.5	3.49	4.00	1.62	YES
L0005322	0	0.52800E-08	402912.2	3755512.4	50.5	3.49	4.00	1.62	YES
L0005323	0	0.52800E-08	402920.8	3755512.7	50.5	3.49	4.00	1.62	YES
L0005324	0	0.52800E-08	402929.4	3755513.0	50.5	3.49	4.00	1.62	YES
L0005325	0	0.52800E-08	402938.0	3755513.3	50.6	3.49	4.00	1.62	YES
L0005326	0	0.52800E-08	402946.6	3755513.7	50.6	3.49	4.00	1.62	YES
L0005327	0	0.52800E-08	402955.2	3755514.2	50.6	3.49	4.00	1.62	YES
L0005328	0	0.52800E-08	402963.7	3755514.8	50.6	3.49	4.00	1.62	YES
L0005329	0	0.52800E-08	402972.3	3755515.3	50.6	3.49	4.00	1.62	YES
L0005330	0	0.52800E-08	402980.9	3755515.9	50.7	3.49	4.00	1.62	YES
L0005331	0	0.52800E-08	402989.4	3755516.4	50.7	3.49	4.00	1.62	YES

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

SOURCE	NUMBER PART.	EMISSION RATE (GRAMS/SEC)	E X	Y	BASE ELEV.	RELEASE HEIGHT	INIT. SY	INIT. SZ	URBAN SOURCE	EMISSION RATE SCALAR VARY	
ID	CATS.		(METERS)	(METERS)	(METERS)	(METERS)	(METERS)	(METERS)		BY	
L0005332	0	0.52800E-08	402998.0	3755517.4	50.7	3.49	4.00	1.62	YES		
L0005333	0	0.52800E-08	403006.4	3755518.8	50.7	3.49	4.00	1.62	YES		
L0005334	0	0.52800E-08	403014.9	3755520.2	50.7	3.49	4.00	1.62	YES		
L0005335	0	0.52800E-08	403023.4	3755521.5	50.8	3.49	4.00	1.62	YES		
L0005336	0	0.52800E-08	403031.9	3755522.9	50.8	3.49	4.00	1.62	YES		

L0005337	0	0.52800E-08	403040.4 3755524	.2 50.8	3.49	4.00	1.62	YES		
L0005338	0	0.52800E-08	403048.8 3755525	.6 50.8	3.49	4.00	1.62	YES		
L0005339	0	0.52800E-08	403057.3 3755527	.0 50.8	3.49	4.00	1.62	YES		
L0005340	0	0.52800E-08	403065.7 3755528	.7 50.8	3.49	4.00	1.62	YES		
L0005341	0	0.52800E-08	403074.1 3755530	.6 50.7	3.49	4.00	1.62	YES		
L0005342	0	0.52800E-08	403082.5 3755532	.6 50.8	3.49	4.00	1.62	YES		
L0005343	0	0.52800E-08	403090.8 3755534	.5 50.9	3.49	4.00	1.62	YES		
L0005344	0	0.52800E-08	403099.2 3755536	.4 51.0	3.49	4.00	1.62	YES		
L0005345	0	0.52800E-08	403107.6 3755538	.4 51.1	3.49	4.00	1.62	YES		
L0005346	0	0.52800E-08	403115.8 3755540	.8 51.2	3.49	4.00	1.62	YES		
L0005347	0	0.52800E-08	403124.1 3755543	.1 51.3	3.49	4.00	1.62	YES		
L0005348	0	0.52800E-08	403132.4 3755545	.5 51.3	3.49	4.00	1.62	YES		
L0005349	0	0.52800E-08	403140.6 3755547	.9 51.4	3.49	4.00	1.62	YES		
L0005350	0	0.52800E-08	403148.9 3755550	.2 51.4	3.49	4.00	1.62	YES		
L0005351	0	0.52800E-08	403157.1 3755552	.6 51.5	3.49	4.00	1.62	YES		
L0005352	0	0.52800E-08	403165.4 3755554	.9 51.5	3.49	4.00	1.62	YES		
L0005353	0	0.52800E-08	403173.7 3755557	.2 51.4	3.49	4.00	1.62	YES		
L0005354	0	0.52800E-08	403182.0 3755559	.4 51.4	3.49	4.00	1.62	YES		
L0005355	0	0.52800E-08	403190.3 3755561	.6 51.3	3.49	4.00	1.62	YES		
L0005356	0	0.52800E-08			3.49	4.00	1.62	YES		
L0005357	0	0.52800E-08	403206.9 3755566		3.49	4.00	1.62	YES		
L0005358	0	0.52800E-08			3.49	4.00	1.62	YES		
L0005359	0	0.52800E-08			3.49	4.00	1.62	YES		
L0005360	0		403231.8 3755572		3.49	4.00	1.62	YES		
L0005361	0		403240.1 3755574		3.49	4.00	1.62	YES		
L0005362	0		403248.4 3755577		3.49	4.00	1.62	YES		
L0005363	0		403256.7 3755579		3.49	4.00	1.62	YES		
L0005364	0		403265.0 3755581		3.49	4.00	1.62	YES		
L0005365	0		403273.3 3755583		3.49	4.00	1.62	YES		
L0005366	0	0.52800E-08	403281.6 3755585	.8 49.9	3.49	4.00	1.62	YES		
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                 RegDFAULT CONC ELEV URBAN ADJ_U*
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                                  *** 19471 Greenstone DPM Conc Years 2039 through 2052
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*** AERMET - VERSION 16216 ***
                                   *** 19471 Greenstone DPM Conc Years 2039 through 2052
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                                   *** 19471 Greenstone DPM Conc Years 2039 through 2052
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                                  *** 19471 Greenstone DPM Conc Years 2039 through 2052
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*** MODELOPTs:
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                                   *** 19471 Greenstone DPM Conc Years 2039 through 2052
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*** MODELOPTs:
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*** MODELOPTs:
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*** MODELOPTs:
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** DIRECTION SPECIFIC BUILDING DIMENSIONS ***

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SOURCE	ID: ST	CK1									
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	12.5,	225.2,	132.3,	-156.0,	114.5,
3	12.5,	217.2,	162.7,	-189.7,	98.0,	4	12.5,	203.8,	188.1,	-217.6,	77.8,
5	12.5,	184.5,	207.8,	-239.0,	55.2,	6	12.5,	159.7,	221.2,	-253.0,	30.8,
7	12.5,	130.2,	227.9,	-259.4,	5.5,	8	12.5,	98.3,	228.2,	-257.9,	-19.8,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	0.0,	0.0,	0.0,	0.0,	0.0,
11	0.0,	0.0,	0.0,	0.0,	0.0,	12	0.0,	0.0,	0.0,	0.0,	0.0,
13	0.0,	0.0,	0.0,	0.0,	0.0,	14	0.0,	0.0,	0.0,	0.0,	0.0,
15	0.0,	0.0,	0.0,	0.0,	0.0,	16	0.0,	0.0,	0.0,	0.0,	0.0,
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,	0.0,	0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	12.5,	225.2,	132.3,	23.7,	-114.5,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	0.0,	0.0,	0.0,	0.0,	0.0,	34	0.0,	0.0,	0.0,	0.0,	0.0,

35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,
COLLDGE		agr 0									
	ID: ST		D.T.	WAD T	113 D T	T 1777	DII	DIA	DI	773 D. T	TAR T
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	0.0,	0.0,	0.0,	0.0,	0.0,	2	0.0,	0.0,	0.0,	0.0,	0.0,
3	0.0,	0.0,	0.0,	0.0,	0.0,	4	0.0,	0.0,	0.0,	0.0,	0.0,
5	0.0,	0.0,	0.0,	0.0,	0.0,	6	0.0,	0.0,	0.0,	0.0,	0.0,
7	0.0,	0.0,	0.0,	0.0,	0.0,	8	0.0,	0.0,	0.0,	0.0,	0.0,
9	0.0,	0.0,	0.0,	0.0,	0.0,	10	12.5,	98.5,		-254.8,	13.1,
11	12.5,	132.3,		-254.5,	-12.0,	12	12.5,	162.7,		-247.0,	-36.4,
13	12.5,	188.1,		-232.1,	-59.8,	14	12.5,	207.8,		-210.1,	-81.3,
15	12.5,	221.2,		-181.7,		16	12.5,	227.9,		-147.8,	
17	0.0,	0.0,	0.0,	0.0,	0.0,	18	0.0,	0.0,	0.0,		0.0,
19	0.0,	0.0,	0.0,	0.0,	0.0,	20	0.0,	0.0,	0.0,	0.0,	0.0,
21	0.0,	0.0,	0.0,	0.0,	0.0,	22	0.0,	0.0,	0.0,	0.0,	0.0,
23	0.0,	0.0,	0.0,	0.0,	0.0,	24	0.0,	0.0,	0.0,	0.0,	0.0,
25	0.0,	0.0,	0.0,	0.0,	0.0,	26	0.0,	0.0,	0.0,	0.0,	0.0,
27	0.0,	0.0,	0.0,	0.0,	0.0,	28	0.0,	0.0,	0.0,	0.0,	0.0,
29	0.0,	0.0,	0.0,	0.0,	0.0,	30	0.0,	0.0,	0.0,	0.0,	0.0,
31	0.0,	0.0,	0.0,	0.0,	0.0,	32	0.0,	0.0,	0.0,	0.0,	0.0,
33	12.5,	221.2,	159.7,	22.0,	100.4,	34	12.5,	227.9,	130.2,	17.6,	116.4,
35	0.0,	0.0,	0.0,	0.0,	0.0,	36	0.0,	0.0,	0.0,	0.0,	0.0,
SOURCE	ID: ST	CK3									
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.5,	227.0,	98.5,	-67.5,	-34.7,	2	12.5,	225.2,	132.3,	-78.4,	-36.9,
3	12.5,	217.2,	162.7,	-87.0,	-37.7,	4	12.5,	203.8,	188.1,	-93.0,	-37.9,
5	12.5,	184.5,	207.8,	-96.1,	-37.2,	6	12.5,	159.7,	221.2,	-96.3,	-35.3,
7	12.5,	130.2,	227.9,	-93.5,	-32.4,	8	12.5,	98.3,	228.2,	-88.0,	-28.3,
9	12.5,	64.0,	222.9,	-80.2,	-23.1,	10	12.5,	98.5,	227.0,	-78.8,	-18.2,
11	12.5,	132.3,	225.2,	-75.7,	-12.3,	12	12.5,	162.7,	217.2,	-70.9,	-5.7,
13	12.5,	188.1,	203.8,	-64.0,	1.1,	14	12.5,	207.8,	184.5,	-55.1,	7.8,
15	12.5,	221.2,	159.7,	-44.5,	14.3,	16	12.5,	227.9,	130.2,	-32.6,	20.4,
17	12.5,	228.2,	98.3,	-20.8,	26.1,	18	12.5,	222.9,	64.0,	-8.9,	31.3,
19	12.5,	227.0,	98.5,	-31.0,	34.7,	20	12.5,	225.2,	132.3,	-53.9,	36.9,
21	12.5,	217.2,	162.7,	-75.6,	37.7,	22	12.5,	203.8,	188.1,		37.9,
23	12.5,	184.5,		-111.7,	37.7,	24	12.5,	159.7,		-124.9,	35.3,
25	12.5,			-111.7,	37.2,	26	12.5,	98.3,		-124.9,	28.3,
25 27	12.5,	130.2, 64.0,		-134.3, -142.7,	23.1,	28		98.5,		-140.2,	18.2,
				,			12.5,				
29	12.5,	132.3,		-149.5,	12.3,	30	12.5,	162.7,		-146.3,	5.7,
31	12.5,	188.1,		-139.8,	-1.1,	32	12.5,	207.8,		-129.4,	-7.8,
33	12.5,	221.2,		-115.2,	-14.3,	34	12.5,	227.9,		-97.5,	-20.4,
35	12.5,	228.2,	98.3,	-77.5,	-26.1,	36	12.5,	222.9,	64.0,	-55.1,	-31.2,
	ID: ST										
IFV	BH	BW	BL	XADJ	YADJ	IFV	BH	BW	BL	XADJ	YADJ
1	12.5,	227.0,	98.5,	-73.4,	-1.9,	2	12.5,	225.2,			-5.6,
3	12.5,	217.2,	162.7,	-103.8,	-8.9,	4	12.5,	203.8,	188.1,	-114.5,	-12.4,

```
12.5, 184.5, 207.8, -121.7, -15.8,
                                           6 12.5, 159.7, 221.2, -125.2, -18.7,
     12.5, 130.2, 227.9, -125.0, -21.2,
                                              12.5, 98.3, 228.2, -120.9, -22.7,
                                           8
     12.5, 64.0, 222.9, -113.6, -23.2,
                                           10
                                               12.5.
                                                     98.5, 227.0, -111.6, -24.2,
 11
     12.5, 132.3, 225.2, -107.0, -23.8,
                                           12
                                               12.5, 162.7, 217.2, -99.8, -22.5,
     12.5, 188.1, 203.8, -89.5, -20.5,
                                           14
                                               12.5, 207.8, 184.5, -76.4, -17.8,
     12.5, 221.2, 159.7, -61.1,
                                               12.5, 227.9, 130.2, -43.9, -11.0,
 15
                                -14.7,
                                           16
                                                                   -8.8,
 17
     12.5, 228.2,
                   98.3, -26.4,
                                  -6.8,
                                          18
                                               12.5, 222.9, 64.0,
                                                                           -2.1,
     12.5, 227.0,
 19
                  98.5, -25.1,
                                  1.9,
                                           20
                                               12.5, 225.2, 132.3, -42.3,
                                                                            5.6,
     12.5, 217.2, 162.7, -58.8,
                                  8.9,
                                           22
                                               12.5, 203.8, 188.1, -73.6,
 23
     12.5, 184.5, 207.8, -86.1,
                                  15.8,
                                           24
                                               12.5, 159.7, 221.2, -95.9,
                                                                           18.7,
 25
     12.5, 130.2, 227.9, -102.9,
                                  21.2,
                                           26
                                               12.5, 98.3, 228.2, -107.3,
                                                                           22.7,
                                  23.2,
 27
     12.5, 64.0, 222.9, -109.3,
                                           28
                                               12.5,
                                                     98.5, 227.0, -115.4,
                                                                           24.2.
 29
     12.5, 132.3, 225.2, -118.2,
                                           30
                                               12.5, 162.7, 217.2, -117.5,
                                  23.8,
                                                                           22.5,
                                               12.5, 207.8, 184.5, -108.1,
     12.5, 188.1, 203.8, -114.3,
                                  20.5,
                                           32
                                                                           17.8,
     12.5, 221.2, 159.7, -98.6,
                                               12.5, 227.9, 130.2, -86.2,
                                           34
                                  14.7,
                                                                           11.0,
 35
     12.5, 228.2, 98.3, -71.8,
                                  6.8,
                                           36
                                               12.5, 222.9, 64.0, -55.2,
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
                                                                                                        01/20/22
                                                                                              * * *
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                                                                                                        PAGE 39
*** MODELOPTs:
               RegDFAULT CONC ELEV URBAN ADJ U*
                                    *** DIRECTION SPECIFIC BUILDING DIMENSIONS ***
SOURCE ID: STCK5
IFV
      BH
             BW
                    BL
                           XADJ
                                  YADJ
                                          TFV
                                                BH
                                                       BW
                                                              BL
                                                                    XADJ
                                                                           YADJ
     12.5, 227.0,
                   98.5, -78.4,
                                           2
                                               12.5,
                                                     225.2, 132.3, -99.8,
                                                                           21.3,
                                  26.3,
     12.5, 217.2, 162.7, -118.1,
                                 15.9,
                                           4
                                               12.5, 203.8, 188.1, -132.9,
                                                                            9.5,
                                               12.5, 159.7, 221.2, -150.0,
     12.5, 184.5, 207.8, -143.7,
                                 2.6,
                                           6
                                                                           -4.4,
     12.5, 130.2, 227.9, -151.9, -11.4,
                                           8
                                               12.5, 98.3, 228.2, -149.1, -17.7,
  9
     12.5, 64.0, 222.9, -142.2, -23.2,
                                          10
                                               12.5,
                                                      98.5, 227.0, -139.8, -29.1,
                                -33.6,
 11
     12.5, 132.3, 225.2, -133.9,
                                          12
                                               12.5, 162.7, 217.2, -124.5,
                                                                          -36.8,
     12.5, 188.1, 203.8, -111.4, -38.9,
                                          14
                                              12.5, 207.8, 184.5, -94.8, -39.8,
 13
 15
     12.5, 221.2, 159.7, -75.4, -39.4,
                                          16
                                              12.5, 227.9, 130.2, -53.7, -37.9,
 17
     12.5, 228.2, 98.3, -31.4, -34.9,
                                          18
                                               12.5, 222.9, 64.0, -8.8, -30.7,
     12.5, 227.0,
                  98.5, -20.1,
                                -26.3,
                                           20
                                               12.5, 225.2, 132.3, -32.5, -21.3,
 19
 21
     12.5, 217.2, 162.7, -44.5,
                                -15.9,
                                           22
                                               12.5, 203.8, 188.1, -55.2,
                                                                           -9.5,
 23
     12.5, 184.5, 207.8, -64.1,
                                 -2.6,
                                           24
                                               12.5, 159.7, 221.2, -71.1,
     12.5, 130.2, 227.9, -76.0,
                                           26
                                               12.5, 98.3, 228.2, -79.1,
                                 11.4,
                                                                           17.7.
     12.5, 64.0, 222.9, -80.7,
                                                      98.5, 227.0, -87.2,
 27
                                  23.2,
                                           28
                                               12.5,
                                                                           29.1,
 29
     12.5, 132.3, 225.2, -91.3,
                                  33.6,
                                           30
                                               12.5, 162.7, 217.2, -92.7,
                                                                           36.8,
 31
     12.5, 188.1, 203.8, -92.4,
                                  38.9,
                                          32
                                              12.5, 207.8, 184.5, -89.7,
                                                                           39.8,
     12.5, 221.2, 159.7, -84.3,
                                  39.4,
                                           34
                                              12.5, 227.9, 130.2, -76.5,
                                                                           37.9,
    12.5, 228.2, 98.3, -66.8,
                                 34.9,
                                           36
                                              12.5, 222.9, 64.0, -55.2,
                                                                           30.7,
                                                                                              ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
                                                                                                        01/20/22
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                                                                                                        PAGE 40
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*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** GRIDDED RECEPTOR NETWORK SUMMARY ***

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

*** X-COORDINATES OF GRID *** (METERS)

400817.6, 400942.7, 401067.7, 401192.8, 401317.8, 401442.9, 401567.9, 401693.0, 401818.0, 401943.1, 402068.1, 402193.2, 402318.2, 402443.3, 402568.3, 402693.4, 402818.4, 402943.5, 403068.5, 403193.6, 403318.6.

*** Y-COORDINATES OF GRID *** (METERS)

3753433.1, 3753541.7, 3753650.4, 3753759.0, 3753867.7, 3753976.3, 3754084.9, 3754193.6, 3754302.2, 3754410.9, 3754519.5, 3754628.1, 3754736.8, 3754845.4, 3754954.1, 3755062.7, 3755171.3, 3755280.0, 3755388.6, 3755497.3, 3755605.9,

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	43.50
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40
3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20

3753650.38 3753541.74	33.30 33.30	33.20 33.40	33.00 33.00	32.70 32.50	33.10 32.50	33.40 33.40	35.30 34.20	35.90 35.20	36.40 35.30
3753433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
*** AERMOD - VERSION	21112 ***	*** C:\Lakes\	AERMOD View\G	Freenstone 2nd	14 years		***	01/20/22	2
*** AERMET - VERSION	16216 ***	*** 19471 Gre	enstone DPM C	Conc Years 203	9 through 205	2	***	19:02:41 PAGE 42	

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48
3755605.90	47.60	40 50	47.20	47 20	48.90	49.50	40.60	F0 20	F0 00
		48.50		47.30			49.60	50.20	50.90
3755497.26	41.20	44.50	47.50	48.20	49.10	48.80	49.60	50.30	50.80
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00
3754084.94	41.00	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10
3753976.30	42.20	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	34.30
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50
'									
*** AERMOD -	VERSION 21112 **	** *** C:\L	akes\AERMOD V	iew\Greenston	e 2nd 14 year	`S		*** 01	/20/22
*** AERMET -	VERSION 16216 **	** *** 1947	1 Greenstone	DPM Conc Year	s 2039 throug	h 2052		*** 19	:02:41

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* ELEVATION HEIGHTS IN METERS *

PAGE 43

3755605.90	51.00	51.50	49.30
3755497.26	50.80	53.00	50.90
3755388.62	50.50	52.10	53.70
3755279.98	50.00	51.40	52.90
3755171.34	49.90	51.10	52.30
3755062.70	49.70	51.00	52.60
3754954.06	50.10	51.30	52.70
3754845.42	50.20	51.00	51.80
3754736.78	50.00	51.00	51.50
3754628.14	49.40	50.10	49.00
3754519.50	48.30	49.40	49.70
3754410.86	47.70	49.30	48.50
3754302.22	47.10	48.30	48.20
3754193.58	47.20	46.80	47.90
3754084.94	45.80	46.10	46.50
3753976.30	45.40	45.00	44.20
3753867.66	44.50	43.40	40.00
3753759.02	42.60	39.70	37.90
3753650.38	37.40	35.20	35.40
3753541.74	32.10	32.70	32.40
3753433.10	30.20	30.00	30.30

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	(METERS)				
(METERS)	400817.63	400942.68	401067.73	401192.78	401317.83	401442.88	401567.93	401692.98	401818.03
3755605.90	42.10	42.60	42.80	42.70	43.60	43.40	44.90	45.90	45.70
3755497.26	41.40	41.90	42.50	42.80	43.10	42.90	43.60	44.70	46.70
3755388.62	41.10	42.00	42.50	42.80	42.90	42.80	42.60	44.70	45.20
3755279.98	40.70	42.00	42.20	42.90	42.90	43.10	43.50	44.70	45.60
3755171.34	40.10	40.60	41.50	42.10	42.90	43.20	42.80	44.00	44.30
3755062.70	39.80	40.20	40.70	41.80	42.10	42.60	43.00	44.80	44.60
3754954.06	38.90	39.50	40.40	41.00	40.90	42.20	43.00	43.90	42.80
3754845.42	38.20	38.60	38.70	38.70	38.70	41.00	42.70	43.50	42.30
3754736.78	37.50	37.70	38.40	39.00	38.20	40.40	42.00	42.30	41.30
3754628.14	36.70	37.30	38.20	39.00	38.00	39.60	41.10	41.40	41.00
3754519.50	36.30	36.70	37.40	37.60	39.00	38.50	40.30	40.50	40.80
3754410.86	35.80	36.30	36.10	36.00	37.90	38.20	39.00	39.70	41.40
3754302.22	35.50	35.20	35.10	35.20	35.40	36.50	36.50	39.50	41.10
3754193.58	35.20	34.70	34.20	33.90	35.50	35.90	38.20	39.00	39.90
3754084.94	34.60	34.20	33.80	33.50	35.60	35.90	36.80	39.00	39.40

3733433.10	32.80	32.60	32.60	32.40	32.60	33.30	34.10	34.30	34.40
3753433.10									
3753541.74	33.30	33.40	33.00	32.50	32.50	33.40	34.20	35.20	35.30
3753650.38	33.30	33.20	33.00	32.70	33.10	33.40	35.30	35.90	36.40
3753759.02	33.20	33.30	33.10	32.90	33.80	34.40	35.50	37.10	37.20
3753867.66	34.00	33.40	33.20	33.10	34.60	35.20	36.30	38.00	38.80
3753976.30	34.20	33.90	34.00	33.60	34.90	35.30	36.10	38.70	39.00

19:02:41 PAGE 45

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-COORD	X-COORD (METERS)							
(METERS)	401943.08	402068.13	402193.18	402318.23	402443.28	402568.33	402693.38	402818.43	402943.48			
3755605.90	47.60	48.50	47.20	47.30	48.90	49.50	49.60	50.20	50.90			
3755497.26	47.00	48.20	47.50	48.20	49.10	48.80	49.60	50.30	50.80			
3755388.62	45.90	46.30	47.10	47.20	48.10	48.60	49.50	49.70	50.60			
3755279.98	45.50	44.70	45.30	47.40	47.90	48.40	48.00	49.00	49.40			
3755171.34	44.30	45.20	45.50	46.40	47.50	48.30	48.00	48.00	49.00			
3755062.70	45.90	45.80	45.70	46.90	47.10	47.70	47.90	48.30	49.20			
3754954.06	44.20	45.70	46.30	47.00	47.70	47.60	48.60	49.10	50.30			
3754845.42	44.40	45.80	45.60	46.30	47.60	47.90	48.30	49.10	50.10			
3754736.78	43.40	44.20	45.00	46.00	47.00	48.40	48.30	49.10	49.60			
3754628.14	43.80	44.40	44.30	45.30	46.20	47.80	48.50	48.40	49.10			
3754519.50	42.40	43.40	42.80	43.90	45.50	47.40	48.40	47.10	48.20			
3754410.86	42.50	42.50	41.30	43.90	45.60	47.50	47.90	46.70	46.70			
3754302.22	41.90	41.30	40.10	41.40	45.70	46.90	47.40	45.30	45.10			
3754193.58	40.80	39.90	39.60	42.30	44.80	46.40	46.70	42.70	47.00			
3754084.94	49.10	40.80	39.20	41.90	44.20	45.10	45.70	41.20	46.10			
3753976.30	49.10	39.40	38.60	40.60	43.20	44.40	44.70	43.10	41.60			
3753867.66	37.30	36.10	37.60	39.70	41.80	43.60	44.20	42.30	43.50			
3753759.02	35.60	36.00	36.40	39.40	40.60	42.30	42.70	37.30	43.20			
3753650.38	35.20	35.70	38.40	39.90	40.50	40.60	39.30	41.00	41.30			
3753541.74	35.60	36.00	37.60	39.10	39.20	39.20	37.80	36.90	39.00			
3753433.10	34.20	37.00	38.00	37.90	37.30	35.10	34.10	31.40	30.50			
'	•											

 01/20/22 19:02:41 PAGE 46

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

*** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***

* HILL HEIGHT SCALES IN METERS *

Y-COORD				X-CO	OORD (METERS)			
(METERS)	403068.53	403193.58	403318.63					
3755605.90	51.00	51.50	49.30					
3755497.26	50.80	53.00	50.90					
3755388.62		52.10	53.70					
3755279.98	50.00	51.40	52.90					
3755171.34	49.90	51.40	52.30					
3755062.70	49.70	51.10	52.60					
3754954.06	50.10	51.30	52.70					
3754845.42	50.20	51.00	51.80					
3754736.78	50.00	51.00	51.50					
3754628.14	49.40	50.10	49.00					
3754519.50	48.30	49.40	49.70					
3754410.86	47.70	49.30	48.50					
3754302.22		48.30	48.20					
3754193.58	47.20	46.80	47.90					
3754084.94	45.80	46.10	46.50					
3753976.30	45.40	45.00	44.20					
3753867.66	44.50	43.40	40.00					
3753759.02		39.70	37.90					
3753650.38		35.20	35.40					
3753541.74		32.70	32.40					
3753433.10		30.00	30.30					
*** AERMOD -	VERSION 21112 *	** *** C:\L	akes\AERMOD	View\Greens	stone 2nd 14 years		***	01/20/22
	VERSION 16216 *				Years 2039 through 2052		***	19:02:41
								PAGE 47
*** MODELOPTS	s: RegDFAULT	CONC ELEV U	RBAN ADJ_U	•				
					AN RECEPTORS ***			
			(X-COORD, Y-	-COORD, ZELI	EV, ZHILL, ZFLAG)			
				(METERS	5)			
	3, 3754416.6,				(401540.9, 3754478.1,		,	,
(401548.	7, 3754639.0,	41.4,	41.4,	0.0);	(401600.9, 3754832.1,			0.0);
(402492.	.6, 3754624.0, .6, 3753865.1,	46.8,	46.8,	0.0);	(402490.3, 3754733.3,		47.6,	0.0);
(402487.	6, 3753865.1,	42.2,	42.2,	0.0);	(403257.8, 3755558.4,	50.9,	50.9,	0.0);
+++ 3EDMOD	TED GTON 01110 +	.++ +++ 0.\ 1	-l\ 7 EDMOD	77\ G	stone 2nd 14 years		***	01/00/00
					Tears 2039 through 2052		***	01/20/22 19:02:41
AEKMET -	AFKSION 10710 ,	194/	i Greenstone	E DIM COME	rears 2039 through 2052			19:02:41 PAGE 48
*** MODELOPTS	s: RegDFAULT	CONC FIEW I	יז ד.רוג זוגם סו	•				PAGE 48
MODEDOBIS	. Keantanni	COINC ETEA (WDAM ADO_U					
	* GOITD GE	DECEDED COM	(D.T.)	D 13111 011 031	CIII AMTONG MAN NOM DE DEDEGOM	TD 4		

^{*} SOURCE-RECEPTOR COMBINATIONS FOR WHICH CALCULATIONS MAY NOT BE PERFORMED * LESS THAN 1.0 METER; WITHIN OPENPIT; OR BEYOND 80KM FOR FASTAREA/FASTALL

SOURCE - - RECEPTOR LOCATION - - DISTANCE
ID XR (METERS) YR (METERS) (METERS)

L0004528 402193.2 3754736.8 -2.45 L0004541 402193.2 3754845.4 0.36 L0004649 402193.2 3754519.5 -2.03 402193.2 -2.10 L0004650 3754519.5 L0004662 402193.2 3754410.9 -3.17L0004663 402193.2 3754410.9 0.37 L0004674 402193.2 3754302.2 0.27 L0004675 402193.2 3754302.2 -2.74 L0004687 402193.2 3754193.6 -1.52 L0004688 402193.2 3754193.6 -1.00 L0004700 402193.2 3754084.9 -2.26 402193.2 3753976.3 0.60 L0004712 -1.62 L0004713 402193.2 3753976.3 L0005165 401567.9 3755497.3 -1.72 * * * *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years 01/20/22 19:02:41 PAGE 49 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U* *** METEOROLOGICAL DAYS SELECTED FOR PROCESSING *** (1=YES; 0=NO)1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 NOTE: METEOROLOGICAL DATA ACTUALLY PROCESSED WILL ALSO DEPEND ON WHAT IS INCLUDED IN THE DATA FILE. *** UPPER BOUND OF FIRST THROUGH FIFTH WIND SPEED CATEGORIES *** (METERS/SEC) 1.54, 3.09, 5.14, 8.23, 10.80, *** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years 01/20/22 * * * 19:02:41 PAGE 50 *** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ U*

Met Version: 16216

*** UP TO THE FIRST 24 HOURS OF METEOROLOGICAL DATA ***

Surface file: E:\New MET data\PICO_V9_ADJU\PICO_v9.SFC

Profile file: E:\New MET data\PICO_V9_ADJU\PICO_v9.PFL

Surface format: FREE Profile format: FREE

Surface station no.: 3166 Upper air station no.: 3190

Name: UNKNOWN Year: 2010 Year: 2010

First	24	hours o	f scala	r data													
YR MO	DY	JDY HR	Н0	Π*	W*	DT/DZ	ZICNV	ZIMCH	M-O LEN	Z0	BOWEN	ALBEDO	REF WS	WD	HT	REF TA	HT
									162.4		0.73			321.		283.8	5.5
10 01					-9.000				121.8		0.73		2.70	217.		282.5	5.5
10 01			-21.9		-9.000					0.34			1.80			282.5	5.5
10 01			-27.1		-9.000						0.73	1.00	2.20	255.		282.0	5.5
10 01	01	1 05	-21.9	0.218	-9.000	-9.000	-999.	245.	52.2	0.34	0.73	1.00	1.80	234.		282.0	5.5
10 01	01	1 06	-27.1	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	258.	9.1	282.0	5.5
10 01	01	1 07	-27.2	0.269	-9.000	-9.000	-999.	334.	79.5	0.34	0.73	1.00	2.20	213.	9.1	281.4	5.5
10 01	01	1 08	-22.6	0.335	-9.000	-9.000	-999.	466.	151.7	0.34	0.73	0.54	2.70	215.	9.1	282.0	5.5
10 01	01	1 09	26.9	0.249	0.347	0.008	56.	302.	-51.9	0.34	0.73	0.32	1.80	199.	9.1	284.2	5.5
10 01	01	1 10	65.3	0.365	0.593	0.008	116.	529.	-67.5	0.34	0.73	0.24	2.70	117.	9.1	288.1	5.5
10 01	01	1 11	94.5	0.374	0.933	0.008	311.	550.	-50.3	0.34	0.73	0.21	2.70	243.	9.1	290.4	5.5
10 01	01	1 12	103.9	0.279	1.087	0.008	448.	359.	-19.0	0.34	0.73	0.20	1.80	130.	9.1	293.1	5.5
10 01	01	1 13	83.7	0.273	1.073	0.008	533.	343.	-22.0	0.34	0.73	0.20	1.80	282.	9.1	294.9	5.5
10 01	01	1 14	82.0	0.218	1.112	0.008	606.	245.	-11.4	0.34	0.73	0.21	1.30	290.	9.1	295.9	5.5
10 01	01	1 15	38.9	0.202	0.881	0.008	636.	217.	-19.0	0.34	0.73	0.25	1.30	192.	9.1	294.9	5.5
10 01	01	1 16	11.4	0.181	0.588	0.008	643.	185.	-47.4	0.34	0.73	0.33	1.30	218.	9.1	293.8	5.5
10 01	01	1 17	-10.7	0.155	-9.000	-9.000	-999.	147.	31.4	0.34	0.73	0.60	1.30	255.	9.1	292.0	5.5
10 01	01	1 18	-5.5	0.104	-9.000	-9.000	-999.	81.	18.6	0.34	0.73	1.00	0.90	129.	9.1	289.2	5.5
10 01	01	1 19	-11.8	0.154	-9.000	-9.000	-999.	145.	27.8	0.34	0.73	1.00	1.30	264.	9.1	287.5	5.5
10 01	01	1 20	-11.8	0.154	-9.000	-9.000	-999.	144.	27.8	0.34	0.73	1.00	1.30	25.	9.1	287.0	5.5
10 01	01	1 21	-21.6	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	343.	9.1	285.9	5.5
10 01	01	1 22	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	332.	9.1	284.9	5.5
10 01	01	1 23	-21.7	0.218	-9.000	-9.000	-999.	244.	52.2	0.34	0.73	1.00	1.80	178.	9.1	284.2	5.5
10 01	01	1 24	-11.8	0.154	-9.000	-9.000	-999.	145.	27.6	0.34	0.73	1.00	1.30	28.	9.1	283.1	5.5

First hour of profile data
YR MO DY HR HEIGHT F WDIR WSPD AMB_TMP sigmaA sigmaW sigmaV
10 01 01 01 5.5 0 -999. -99.00 283.8 99.0 -99.00 -99.00
10 01 01 01 9.1 1 321. 3.10 -999.0 99.0 -99.00 -99.00

F indicates top of profile (=1) or below (=0)

*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*

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L0004460
                           , L0004461
                                         , L0004462
                                                       , L0004463
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               L0004468
                           , L0004469
                                                       , L0004471
                                                                    , L0004472
                                         , L0004470
                                                                                   , L0004473
                                                                                                 , L0004474
                                                                                                              , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      * *
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
  (METERS)
                  400817.63
                              400942.68
                                           401067.73
                                                                     401317.83
                                                                                  401442.88
                                                                                               401567.93
                                                                                                            401692.98
                                                                                                                         401818.03
                                                        401192.78
3755605.90
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3755497.26
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3755388.62
3755279.98
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3755171.34
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3755062.70
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3754954.06
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3754845.42
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3754736.78
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3754628.14
                   0.00002
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3754519.50
                                                                       0.00006
3754410.86
                   0.00002
                                0.00003
                                             0.00003
                                                          0.00004
                                                                       0.00006
                                                                                    0.00009
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                                                                                                             0.00025
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                   0.00002
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                                             0.00003
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                                                                                                             0.00023
                                                                                                                          0.00029
3754302.22
                                                          0.00004
                                                                       0.00006
                                                                                    0.00009
3754193.58
                   0.00002
                                0.00003
                                             0.00003
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3754084.94
                   0.00002
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3753976.30
                                             0.00003
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3753867.66
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                                0.00002
                                             0.00003
                                                          0.00003
                                                                       0.00004
                                                                                    0.00005
                                                                                                0.00006
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                                                                                                                          0.00006
                   0.00002
                                0.00002
                                             0.00003
                                                                                    0.00004
                                                                                                0.00004
                                                                                                             0.00005
                                                                                                                          0.00005
3753759.02
                                                          0.00003
                                                                       0.00003
3753650.38
                   0.00002
                                0.00002
                                             0.00003
                                                          0.00003
                                                                       0.00003
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                   0.00002
                                0.00004
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3753541.74
                                             0.00004
                                                          0.00004
                                                                       0.00005
                                                                                    0.00005
                                                                                                0.00005
                   0.00002
                                             0.00004
                                                          0.00004
                                                                       0.00004
                                                                                    0.00004
                                                                                                              0.00005
3753433.10
                                0.00003
                                                                                                0.00004
                                                                                                                          0.00005
                                                                                                          * * *
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
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***
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                                                                                                                    PAGE 52
*** MODELOPTs:
                 RegDFAULT CONC ELEV URBAN ADJ_U*
                            *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                                INCLUDING SOURCE(S):
                                                         STCK1
                                                                     , STCK2
                                                                                   , STCK3
                                                                                                 , STCK4
                                                                                                              , STCK5
               L0004452
                           , L0004453
                                        , L0004454
                                                       , L0004455
                                                                    , L0004456
                                                                                   , L0004457
                                                                                                 , L0004458
                                                                                                              , L0004459
               L0004460
                                                                                   , L0004465
                           , L0004461
                                         , L0004462
                                                       , L0004463
                                                                    , L0004464
                                                                                                 , L0004466
                                                                                                              , L0004467
                                         , L0004470
                                                                     , L0004472
                                                                                   , L0004473
               L0004468
                           , L0004469
                                                       , L0004471
                                                                                                 , L0004474
                                                                                                              , . . .
                                 *** NETWORK ID: UCART1 ; NETWORK TYPE: GRIDCART ***
                                                                                                      **
                                      ** CONC OF DPM
                                                          IN MICROGRAMS/M**3
  Y-COORD
                                                            X-COORD (METERS)
                 401943.08
                              402068.13
                                           402193.18
                                                        402318.23
                                                                                  402568.33
                                                                                              402693.38
                                                                                                            402818.43
  (METERS)
                                                                     402443.28
                                                                                                                        402943.48
```

3755605.90	0.00006	0.00007	0.00007	0.00007	0.00007	0.00006	0.00006	0.00005	0.00005
3755497.26	0.00000	0.00012	0.00012	0.00017	0.00012	0.00014	0.00013	0.00003	0.00010
3755388.62	0.00012	0.00012	0.00012	0.00012	0.00012	0.00014	0.00013	0.00011	0.00010
3755279.98	0.00011	0.00012	0.00012	0.00012	0.00017	0.00010	0.00008	0.00006	0.00005
3755171.34	0.00018	0.00013	0.00013	0.00013	0.00019	0.00012	0.00009	0.00007	0.00005
3755062.70	0.00018	0.00021	0.00025	0.00021	0.00024	0.00014	0.00003	0.00007	0.00005
3754954.06	0.00023	0.00029	0.00043	0.00033	0.00028	0.00015	0.00010	0.00007	0.00005
3754845.42	0.00034	0.00043	0.00039	0.00037	0.00025	0.00015	0.00010	0.00007	0.00005
3754736.78	0.00047	0.00072	0.00129	0.00040	0.00023	0.00013	0.00009	0.00006	0.00003
3754628.14	0.00104				0.00022			0.00005	0.00004
	l .	0.00196	0.00131	0.00042		0.00011	0.00007		0.00004
3754519.50	0.00089	0.00066	0.00064	0.00033	0.00018	0.00010	0.00007	0.00005 0.00005	0.00004
3754410.86	0.00042	0.00032	0.00030	0.00022	0.00014	0.00009	0.00006		
3754302.22	0.00022	0.00019	0.00018	0.00015	0.00011	0.00008	0.00006	0.00005	0.00004
3754193.58	0.00014	0.00012	0.00013	0.00011	0.00009	0.00007	0.00005	0.00005	0.00003
3754084.94	0.00009	0.00009	0.00009	0.00008	0.00007	0.00006	0.00005	0.00004	0.00003
3753976.30	0.00007	0.00007	0.00007	0.00007	0.00006	0.00005	0.00004	0.00004	0.00003
3753867.66	0.00005	0.00005	0.00006	0.00006	0.00005	0.00004	0.00004	0.00003	0.00003
3753759.02	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3753650.38	0.00004	0.00004	0.00004	0.00004	0.00004	0.00004	0.00003	0.00003	0.00003
3753541.74	0.00005	0.00005	0.00005	0.00005	0.00005	0.00004	0.00004	0.00004	0.00004
3753433.10	0.00005	0.00005	0.00005	0.00005	0.00005	0.00005	0.00006	0.00005	0.00005
*** AERMOD - VERSION 21112 ***									
*** MODELOPTS	s: ReaDFAULT	CONC ELEV U	RBAN ADJ U*						
*** MODELOPTs	s: RegDFAULT	CONC ELEV U	RBAN ADJ_U*						
*** MODELOPTS	s: RegDFAULT		_	AVERAGE CONC	ENTRATION V	ALUES FOR SOUR	RCE GROUP: ALI	_ ***	
*** MODELOPTs	s: RegDFAULT	*** THE PERIO	RBAN ADJ_U* D (43848 HRS) SOURCE(S):	AVERAGE CONC	CENTRATION V	ALUES FOR SOUF	RCE GROUP: ALI	*** , STCK5	,
*** MODELOPTs	J	*** THE PERION	_ D (43848 HRS)					•	,
*** MODELOPTS	L0004452	*** THE PERION INCLUDING , L0004453	_ D (43848 HRS) SOURCE(S):	STCK1	, STCK2 , L0004456	, STCK3	, STCK4	, STCK5	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERION INCLUDING , L0004453 , L0004461	D (43848 HRS) SOURCE(S): , L0004454	STCK1 , L0004455	, STCK2	, STCK3 , L0004457	, STCK4 , L0004458	, STCK5 , L0004459 , L0004467	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERION INCLUDING , L0004453 , L0004461	D (43848 HRS) SOURCE(S): , L0004454 , L0004462	STCK1 , L0004455 , L0004463	, STCK2 , L0004456 , L0004464	, STCK3 , L0004457 , L0004465	, STCK4 , L0004458 , L0004466	, STCK5 , L0004459	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469	D (43848 HRS) SOURCE(S): , L0004454 , L0004462	STCK1 , L0004455 , L0004463 , L0004471	, STCK2 , L0004456 , L0004464	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466	, STCK5 , L0004459 , L0004467	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470	STCK1 , L0004455 , L0004463 , L0004471	, STCK2 , L0004456 , L0004464 , L0004472	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466	, STCK5 , L0004459 , L0004467	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470	STCK1 , L0004455 , L0004463 , L0004471	, STCK2 , L0004456 , L0004464 , L0004472	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466	, STCK5 , L0004459 , L0004467	, ,
*** MODELOPTs	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471	, STCK2 , L0004456 , L0004464 , L0004472	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
*** MODELOPTS Y-COORD	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
10222011	L0004452 L0004460	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS)	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO *** (403193.58	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS) 3755605.90	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 ORK ID: UCART1 CONC OF DPM 403318.63 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS) 	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58	D (43848 HRS) SOURCE(S): , L0004454 , L0004462 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS)	L0004452 L0004460 L0004468	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58 0.00005 0.00005 0.00004	D (43848 HRS) SOURCE(S): , L0004454 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS)	L0004452 L0004460 L0004468 403068.53 	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58 0.00005 0.00005 0.00005 0.00004 0.00003	D (43848 HRS) SOURCE(S): , L0004454 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS)	L0004452 L0004460 L0004468 403068.53 	*** THE PERIOD INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58 0.00005 0.00005 0.00005 0.00004 0.00003 0.00003	D (43848 HRS) SOURCE(S): , L0004454 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003 0.00003 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70	L0004452 L0004460 L0004468 403068.53 	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58 0.00005 0.00005 0.00005 0.00003 0.00003 0.00003	D (43848 HRS) SOURCE(S): , L0004454 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,
Y-COORD (METERS) 3755605.90 3755497.26 3755388.62 3755279.98 3755171.34 3755062.70 3754954.06	L0004452 L0004460 L0004468 403068.53 0.00005 0.00007 0.00004 0.00004 0.00004 0.00004	*** THE PERIOR INCLUDING , L0004453 , L0004461 , L0004469 *** NETWO 403193.58 0.00005 0.00005 0.00005 0.00003 0.00003 0.00003 0.00003	D (43848 HRS) SOURCE(S): , L0004454 , L0004470 DRK ID: UCART1 CONC OF DPM 403318.63 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003 0.00003	STCK1 , L0004455 , L0004463 , L0004471 ; NETWORK	, STCK2 , L0004456 , L0004464 , L0004472 TYPE: GRIDCA	, STCK3 , L0004457 , L0004465 , L0004473	, STCK4 , L0004458 , L0004466 , L0004474	, STCK5 , L0004459 , L0004467	, ,

```
3754628.14
              0.00003
                           0.00003
                                       0.00002
 3754519.50
                0.00003
                           0.00002
                                       0.00002
 3754410.86
                0.00003
                           0.00002
                                       0.00002
              0.00003 0.00002
 3754302.22
                                      0.00002
 3754193.58
                0.00003
                           0.00002
                                       0.00002
                0.00003
                           0.00002
                                       0.00002
 3754084.94
 3753976.30
                0.00003
                           0.00002
                                       0.00002
                0.00003
                         0.00002
 3753867.66
                                       0.00002
 3753759.02
              0.00003 0.00002
                                       0.00002
 3753650.38
                0.00003
                         0.00002
                                       0.00002
             0.00003
 3753541.74
                           0.00003
                                       0.00002
 3753433.10 | 0.00005
                         0.00004
                                       0.00002
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                                                                                                   PAGE 54
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                        *** THE PERIOD ( 43848 HRS) AVERAGE CONCENTRATION VALUES FOR SOURCE GROUP: ALL
                         including source(s): stck1 , stck2 , stck3 , stck4
                                                                                              , STCK5
              L0004452
                        , L0004453
                                  , L0004454 , L0004455 , L0004456 , L0004457
                                                                                 , L0004458
                                                                                              , L0004459
              L0004460 , L0004461 , L0004462 , L0004463 , L0004464 , L0004465 , L0004466
                                                                                              , L0004467 ,
              L0004468 , L0004469 , L0004470 , L0004471 , L0004472 , L0004473 , L0004474
                                                                                              , . . .
                                    *** DISCRETE CARTESIAN RECEPTOR POINTS ***
                                 ** CONC OF DPM IN MICROGRAMS/M**3
                                           X-COORD (M) Y-COORD (M)
     X-COORD (M) Y-COORD (M)
                                 CONC
                                                                                   CONC

      401611.34
      3754416.63
      0.00017

      401548.67
      3754638.98
      0.00012

      402492.59
      3754623.98
      0.00015

      402487.63
      3753865.10
      0.00005

                                                                    3754478.07 0.00012
                                                         401540.87
                                                         401600.93
                                                                    3754832.07
                                                                                   0.00013
                                                         402490.28 3754733.27
                                                                                 0.00018
                                                         403257.84 3755558.44
                                                                                 0.00007
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
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                                                                                                   PAGE 55
*** MODELOPTs: RegDFAULT CONC ELEV URBAN ADJ_U*
                                 *** THE SUMMARY OF MAXIMUM PERIOD ( 43848 HRS) RESULTS ***
                              ** CONC OF DPM IN MICROGRAMS/M**3
             AVERAGE CONC
                                     RECEPTOR (XR, YR, ZELEV, ZHILL, ZFLAG) OF TYPE GRID-ID
GROUP ID
ALL
        1ST HIGHEST VALUE IS 0.00196 AT ( 402068.13, 3754628.14, 44.40, 44.40, 0.00) GC UCART1
        2ND HIGHEST VALUE IS 0.00171 AT ( 402068.13, 3754736.78, 44.20, 44.20, 0.00) GC UCART1
```

```
0.00131 AT ( 402193.18, 3754628.14,
        3RD HIGHEST VALUE IS
                                                                        44.30,
                                                                                  44.30,
                                                                                           0.00) GC UCART1
                                 0.00129 AT ( 402193.18, 3754736.78,
                                                                        45.00,
                                                                                  45.00,
                                                                                           0.00) GC UCART1
        4TH HIGHEST VALUE IS
        5TH HIGHEST VALUE IS
                                 0.00104 AT ( 401943.08, 3754628.14,
                                                                        43.80,
                                                                                  43.80,
                                                                                           0.00) GC UCART1
                                                                        42.40,
        6TH HIGHEST VALUE IS
                                 0.00089 AT ( 401943.08, 3754519.50,
                                                                                  42.40,
                                                                                           0.00) GC UCART1
        7TH HIGHEST VALUE IS
                                 0.00081 AT (
                                              402193.18, 3754845.42,
                                                                        45.60,
                                                                                  45.60,
                                                                                           0.00) GC UCART1
                                 0.00072 AT (
                                              401943.08, 3754736.78,
                                                                        43.40,
                                                                                           0.00) GC UCART1
        8TH HIGHEST VALUE IS
                                                                                  43.40,
        9TH HIGHEST VALUE IS
                                 0.00072 AT (
                                              402068.13, 3754845.42,
                                                                        45.80,
                                                                                  45.80,
                                                                                           0.00) GC UCART1
                                 0.00066 AT ( 402068.13, 3754519.50,
                                                                        43.40,
                                                                                 43.40,
                                                                                           0.00) GC UCART1
       10TH HIGHEST VALUE IS
*** RECEPTOR TYPES: GC = GRIDCART
                   GP = GRIDPOLR
                   DC = DISCCART
                   DP = DISCPOLR
                                                                                                    ***
*** AERMOD - VERSION 21112 *** *** C:\Lakes\AERMOD View\Greenstone 2nd 14 years
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*** MODELOPTs:
                RegDFAULT CONC ELEV URBAN ADJ_U*
*** Message Summary : AERMOD Model Execution ***
 ----- Summary of Total Messages -----
A Total of
                    0 Fatal Error Message(s)
A Total of
                    9 Warning Message(s)
A Total of
                 1277 Informational Message(s)
A Total of
                43848 Hours Were Processed
A Total of
                 152 Calm Hours Identified
A Total of
                 1125 Missing Hours Identified ( 2.57 Percent)
   ****** FATAL ERROR MESSAGES ******
             *** NONE ***
   ****** WARNING MESSAGES
                              *****
SO W320
          1097
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
SO W320
          1098
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1099
                      PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1100
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
SO W320
          1101
                     PPARM: Input Parameter May Be Out-of-Range for Parameter
                                                                                     VS
                     MEOPEN: THRESH_1MIN 1-min ASOS wind speed threshold used
ME W186
          2229
                                                                                   0.50
                    MEOPEN: ADJ_U* Option for Stable Low Winds used in AERMET
ME W187
          2229
MX W450
         26305
                     CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                               15010101
MX W450
         26305
                    CHKDAT: Record Out of Sequence in Meteorological File at:
                                                                              2 year gap
```

EMFAC2021 for South Coast AQMD			PM2.5 Rui	nning and Idlin	g Exhaust												
Area	Season	Veh	Fuel	MdlYr	Speed	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
					(Miles/hr)											(gms/mile)	
South Coast AQMD	Annual	LHDT2	DSL	Aggregated	0	0.78107432			0.777509				0.777228		0.772631	0.770784	
South Coast	Annual	LHDT2	DSL	Aggregated	5		0.072381		0.060612				0.048784		0.046041		0.044345
South Coast	Annual	LHDT2	DSL	Aggregated	10	0.06677152			0.050289	0.04702				0.039803	0.03887	0.03818	0.037707
South Coast	Annual	LHDT2	DSL	Aggregated	35	0.02624199		0.02193				0.017998			0.016983		0.016776
South Coast	Annual	MHDT	DSL	Aggregated	0	0.10382856	0.086748	0.07273	0.060303	0.049764	0.041162			0.024397			0.015804
South Coast	Annual	MHDT	DSL	Aggregated	5	0.06813635				0.032878			0.019496			0.012242	
South Coast	Annual	MHDT	DSL	Aggregated	10	0.05582793		0.038328	0.032074	0.026749					0.011449		0.008541
South Coast	Annual	MHDT	DSL	Aggregated	35	0.01346459	0.010371	0.008966	0.007687	0.006597	0.005684	0.004945	0.004336	0.003836	0.003412	0.003062	0.002766
South Coast	Annual	HHDT	DSL	Aggregated	0	0.01812906	0.016309			0.013923				0.011792	0.011375	0.011065	0.010815
South Coast	Annual	HHDT	DSL	Aggregated	5	0.02111367	0.014741	0.014315	0.013927	0.013603	0.013294	0.013002	0.012669	0.012344	0.012015	0.011674	0.011385
South Coast	Annual	HHDT	DSL	Aggregated	10	0.01834807	0.012582	0.012166	0.011786	0.011464	0.01116	0.010875	0.010558	0.01025	0.009941	0.009624	0.009354
South Coast	Annual	HHDT	DSL	Aggregated	35	0.01179447	0.008564	0.008261	0.007966	0.00773	0.007515	0.00732	0.007119	0.006927	0.006736	0.006543	0.006372
		14 yr	14 yr	14 yr	14 yr												
		2025-203	8 2025-2038	2025-2038	2025-2038												
		5 mph	10 mph	35 mph	0 mph (idling)												
	LHDT2	0.04782	0.04042	0.01760	0.77023												
	MHDT	0.01672	0.01351	0.00381	0.02514												
	HHDT	0.01202	0.00993	0.00674	0.01168												
		14 yr	14 yr	14 yr	14 yr												
		2039-205	2 2039-2052	2039-2052	2039-2052												
		5 mph	10 mph	35 mph	0 mph (idling)												
	LHDT2	0.04124	0.03575	0.01666	0.76138												
	MHDT	0.00437	0.00339	0.00157	0.00760												
	HHDT	0.01016	0.00823	0.00566	0.00978												
						1											
		2 yr	2 yr	2 yr	2 yr												
			4 <u>2021-2023</u>		2023-2024												
		5 mph	10 mph	35 mph	0 mph (idling)												
	LHDT2	0.06906	0.05698	0.02283	0.77826												
	MHDT	0.05125	0.04177	0.00967	0.07974												
	HHDT	0.01453	0.01237	0.00841	0.01584												
						Ì											
		1 yr	1 yr	1 yr	1 yr												
		<u>2022</u>	2022	2022	2022												
		5 mph	10 mph	35 mph	0 mph (idling)												
	LUDTO	0.004		o oooo :	0.70407												
	LHDT2	0.08144	0.06677	0.02624	0.78107												
	MHDT	0.06814	0.05583	0.01346	0.10383												

0.02111 0.01835 0.01179

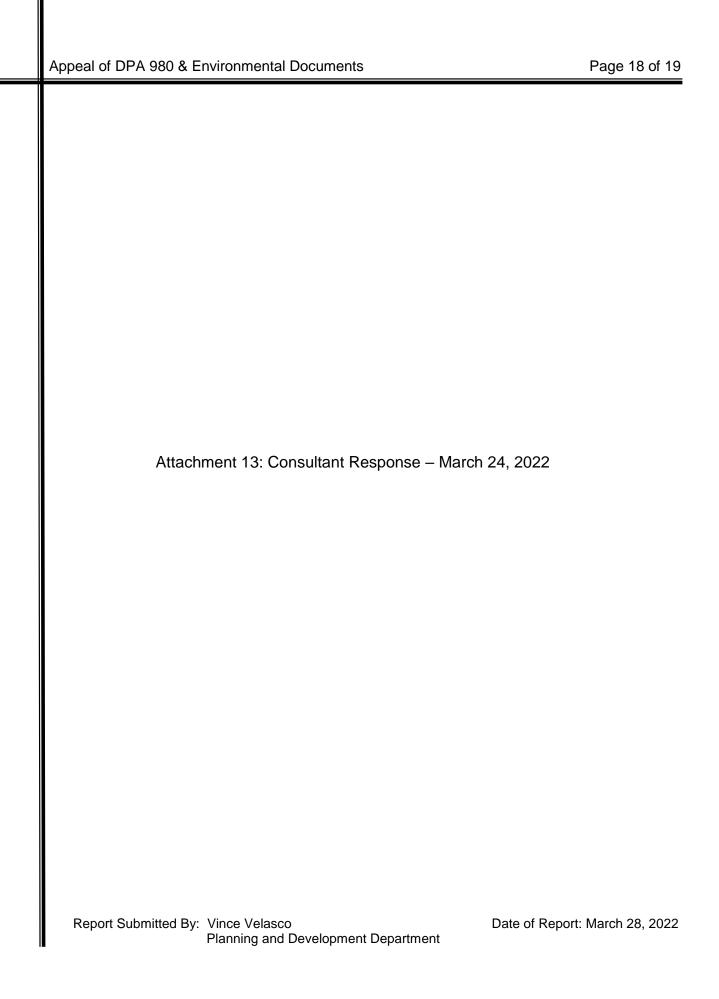
0.01813

2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052
(gms/mile)																		
0.765381	0.761339	0.76085	0.760267	0.759676	0.760052	0.760312	0.76051	0.760671	0.760734	0.760987	0.761186	0.761437	0.761606	0.761852	0.762113	0.762615	0.762615	0.762615
0.043925	0.043383	0.043392	0.043222	0.042986	0.042652	0.04245	0.042365	0.042288	0.042276	0.042073	0.041864	0.041578	0.041324	0.040992	0.040285	0.039094	0.039094	0.039094
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0.014045	0.012547	0.011458	0.010595	0.009878	0.009315	0.008763	0.008359	0.007956	0.00768	0.007413	0.007299	0.00721	0.00714	0.007086	0.007051	0.00702	0.00702	0.00702
0.009378	0.008311	0.007445	0.006754	0.006178	0.005742	0.00532	0.005004	0.004692	0.004432	0.004179	0.004103	0.004044	0.003994	0.003966	0.003944	0.003924	0.003924	0.003924
0.007498	0.006618	0.005911	0.005347	0.004876	0.004519	0.004174	0.003915	0.003659	0.003445	0.003237	0.003173	0.003122	0.00308	0.003054	0.003034	0.003016	0.003016	0.003016
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0.011096	0.010891	0.010738	0.011114	0.010545	0.010469	0.010394	0.010324	0.010266	0.01021	0.010152	0.010107	0.010069	0.010038	0.010032	0.010032	0.010031	0.010031	0.010031
0.009087	0.008898	0.008758	0.008661	0.008579	0.00851	0.008443	0.008382	0.00833	0.008282	0.008233	0.008194	0.008161	0.008134	0.008126	0.008124	0.008121	0.008121	0.008121
0.006207	0.006082	0.005994	0.005922	0.005861	0.005811	0.005769	0.005734	0.005705	0.005682	0.005662	0.005647	0.005635	0.005625	0.005616	0.00561	0.005603	0.005603	0.005603



GANDDINI GROUP INC.

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BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING Planning • Environmental Analysis • Economics • Mapping • GIS

MEMORANDUM

Date: March 29, 2022

To: Vince Velasco, Associate Planner

City of Santa Fe Springs Planning And Development Department

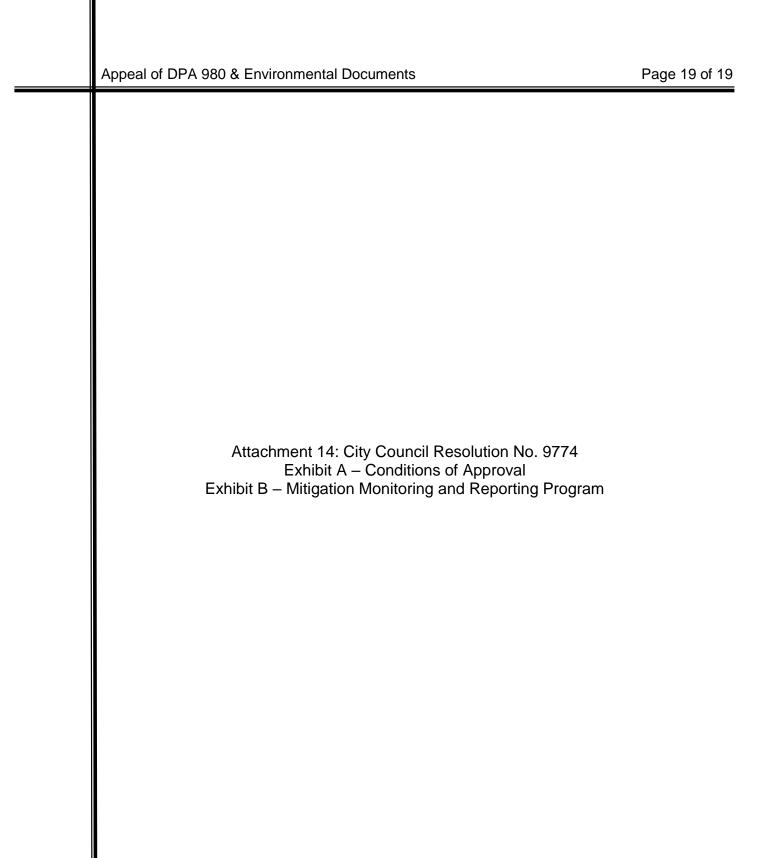
From: Marc Blodgett, Blodgett Baylosis Environmental Planning

Subject: 11401 Greenstone Avenue

The purpose of this memorandum is to confirm that we are in receipt and have reviewed the studies that have been prepared on behalf of Mr. Nassir for the proposed project located at 11401 Greenstone Avenue. These studies were provided to our office by Mr. Nassir's attorneys Jeffer Mangels Butler and Mitchell, LLP. These studies included the following:

- Greenstone Avenue Health Risk Assessment (January 21, 2022) prepared by Ganddini Group, Inc.; and,
- Trip Generation and VMT Analysis, (January 22, 2022) prepared by Ganddini Group, Inc.

These studies are correct and support the earlier conclusions that were contained in the Initial Study/Mitigated Negative Declaration that were prepared for the project. If you have any questions, please do not hesitate to contact me at the office.



RESOLUTION NO. 9774

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DENYING THE APPEAL AND APPROVING DEVELOPMENT PLAN APPROVAL CASE NO. 980 AND ADOPTING A MITIGATED NEGATIVE DECLARATION AND MITIGATION MONITORING PROGRAM THEREFOR

WHEREAS, a request was filed for Development Plan Approval Case No. 980 ("DPA 980") to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements (the "Project") located at 11401 Greenstone Avenue in the City of Santa Fe Sprints (the "Property"); and

WHEREAS, the Property is located on the west side of Greenstone Avenue in the M-2, Heavy Manufacturing, Zone, with Accessor's Parcel Number of 8026-018-023, as shown in the latest rolls of the Los Angeles County Office of the Assessor; and

WHEREAS, the property owner is Babak Nassirzadeh, 1820 San Vicente Boulevard, Santa Monica, CA 90402; and

WHEREAS, the proposed Development Plan Approval Case No. 980 is considered a project as defined by the California Environmental Quality Act (CEQA), Article 20, Section 15378(a); and

WHEREAS, based on the information received from the applicant and staff's assessment, it was found and determined that the proposed project will not have a significant adverse effect on the environmental following mitigation; therefore, the City caused to be prepared and proposed to adopt an Initial Study/Mitigated Negative Declaration (IS/MND) for the proposed project; and

WHEREAS, on July 12, 2021 the City of Santa Fe Springs Planning Commission held a duly noticed public hearing on the Project at which time it considered the application, the written and oral staff report, the General Plan and zoning of the subject property, the testimony, written comments, and other materials presented at the Planning Commission Meeting; and

WHEREAS, at the close of the public hearing the Planning Commission adopted a resolution approving the Project and adopting a Mitigated Negative Declaration and Mitigation Monitoring and Reporting Program for the Project; and

WHEREAS, on July 22, 2021 the City Clerk's office received a formal appeal of the Planning Commission's actions by the Supporters Alliance for Environmental Responsibility (SAFER) and the appeal hearing was duly noticed for August 17, 2021; and

WHEREAS, one day before the hearing, SAFER, through its attorney sent an email to the Mayor, members of the City Council and staff detailing the reason for their concerns; and

WHEREAS, on August 17, 2021 staff recommended that the City Council continue the appeal matter to September 7, 2021 in order to allow staff time to respond. Numerous other continuances were provided and the continued public hearing was held on April 5, 2022; and

WHEREAS, during the public hearing the City Council took into consideration all evidence received on the matter, both oral and written;

NOW, THEREFORE, be it RESOLVED that the PLANNING COMMISSION of the CITY OF SANTA FE SPRINGS does hereby RESOLVE, DETERMINE and ORDER AS FOLLOWS:

SECTION 1. ENVIRONMENTAL FINDINGS AND DETERMINATION

The City Council of the City of Santa Fe Springs does hereby find as follows:

A. CEQA PROCEDURES.

- 1. The proposed development is considered a project under the California Environmental Quality Act (CEQA) and as a result, the project is subject to the City's environmental review process.
- 2. The City retained Marc Blodgett of the environmental consulting firm of Blodgett/Baylosis Environmental Planning (the "Consultant") to prepare an Initial Study and Mitigated Negative Declaration (collectively "MND") for the Project. The Consultant also prepared a Mitigation Monitoring and Reporting Program ("MMRP").
- 3. The MND was circulated for a 20-day public review period from June 1, 2021 to June 21, 2021 and the Notice of Intent to adopt the MND was posted with the Los Angeles County Clerk along with appropriate notifications being made to all responsible and trustee agencies and surrounding cities.
- 4. On the day of the public hearing before the Planning Commission, SAFER, through its attorney, sent a letter to the City commenting on alleged delinquencies of the Mitigated Negative Declaration. The Consultant provided a response to the comments and the Planning Commission adopted the MND and MMRP.
- 5. On July 22, 2021 SAFER filed an appeal and on the day before the hearing, filed a lengthy letter with an attachment causing the hearing to be delayed until an

analysis could be provided. Both the City's Consultant and the applicant's attorney have provided responses addressing the comments raised.

6. The City has complied with all procedural requirements relating to CEQA and other laws. The MND and MMRP are adequate and complete and comply with all CEQA requirements.

B. Impacts.

- 1. The MND found that there were potentially significant impacts in three areas: Cultural Resources; Hazardous Materials; and Tribal Cultural Resources. Impacts to Cultural Resources and Tribal Cultural Resources will be mitigation by the measure requiring the applicant to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Impacts to Hazardous Materials will be mitigated by the measures requiring the applicant to retain a qualified professional to prepare a Soil Management Plan to deal with contaminated soils and requiring the applicant to obtain a qualified contractor to design and install proper ventilation in enclosed spaces to prevent the build-up of methane and carbon dioxide. The mitigation measures are more fully spelled out in the MMRP attached hereto.
- 2. The applicant has agreed to the proposed mitigation measures.
- 3. Except as specified in B.1. above, all other impact categories were determined to be either no impact or less than significant and no additional mitigation measures are required.
- 4. SAFER's appeal focused on the areas of energy, air quality, human health/health risk assessment, and a failure to impose all feasible mitigation measures.
- 5. In response to SAFER's appeal documents, BBEP provided a lengthy response dated January 29, 2022 and the applicant submitted a health risk analysis and a trip generation and VMT assessment, both of which were reviewed by BBEP (collectively "Supplemental Materials").

C. CEQA Findings

1. In adopting the MND and MMRP, the City Council has exercised its independent judgment and analysis and has reviewed and considered the MND, the MMRP, the Supplemental Materials, and all other correspondence, written reports, public testimony and other information in the record.

- 2. Based on the entire record, the City Council finds that there is no substantial evidence that the project will have a significant effect on the environment and specifically finds that the appeal materials submitted by SAFER do not constitute substantial evidence that creates a fair argument of a significant impact on any topic area for the reasons set forth in the Supplemental Materials and as further explained in the staff report.
- 3. The Project will not have any significant environmental impacts that cannot be mitigated below a level of significance. The mitigation measures constitute changes or alterations under Public Resources Code section 21081(a)(1).
- 4. As set forth in the MND and further elaborated upon in the Supplemental Materials, none of the Mandatory Findings of Significance set forth in CEQA Guidelines section 15065 can be made regarding this project:
 - a. The proposed project *will not* have the potential to degrade the quality of the environment.
 - b. The proposed project *will not* have the potential to achieve short-term goals to the disadvantage of long-term environmental goals.
 - c. The proposed project *will not* have impacts that are individually limited, but cumulatively considerable, when considering planned or proposed development in the immediate vicinity.
 - d. The proposed project *will not* have environmental effects that will adversely affect humans, either directly or indirectly.
- 5. The MMRP satisfies the requirements of Public Resources Code section 21081.6 and each mitigation measure is specifically included as a condition of Project approval.

SECTION 2. DEVELOPMENT PLAN APPROVAL FINDINGS

Pursuant to Section 155.739 of the City of Santa Fe Springs Zoning Ordinance, the City Council makes the following findings:

(A) <u>That the proposed development is in conformance with the overall objectives of this chapter (Chapter 155: Zoning).</u>

The proposed project is located within the M-2, Heavy Manufacturing, Zone. Pursuant to Section 155.240 of the Zoning Ordinance, "The purpose of the M-2 Zone is to preserve the lands of the city appropriate for heavy industrial uses, to protect these lands from intrusion by dwellings and inharmonious commercial uses, to promote

uniform and orderly industrial development, to create and protect property values, to foster an efficient, wholesome and aesthetically pleasant industrial district, to attract and encourage the location of desirable industrial plants, to provide an industrial environment which will be conducive to good employee relations and pride on the part of all citizens of the community and to provide proper safeguards and appropriate transition for surrounding land uses."

The proposed project is consistent with the purpose of the M-2 Zone in the following manner:

- 1. The land is appropriate for industrial uses based on its zoning, M-2, Heavy Manufacturing and its General Plan Land Use designation of Industrial.
- 2. The proposed project will result in a new concrete tilt-up speculative industrial building, therefore the land is being maintained for industrial uses.
- 3. The project involves the construction of a new attractive industrial building on a site that is currently developed with office/maintenance building used by an existing truck trailer storage facility. The assessed value of the property will significantly improve after the project, thus leading to an increase in property values for both the subject property and neighboring properties.
- 4. The new building offers new construction with modern amenities (i.e. greater ceiling height, energy efficient, etc.) that will help to attract local industrial businesses to either locate or otherwise remain in Santa Fe Springs.
- (B) That the architectural design of the proposed structures is such that it will enhance the general appearance of the area and be in harmony with the intent of this chapter.

The applicant is proposing to construct a new concrete-tilt up speculative industrial building on the existing site. The new concrete tilt-up industrial building has been designed with variation in the provided setback, height, color, and materials used. The result is an attractive project with a contemporary building that is comparable to other high quality office/industrial projects here in Santa Fe Springs.

(C) That the proposed structures be considered on the basis of their suitability for their intended purpose and on the appropriate use of materials and on the principles of proportion and harmony of the various elements of the buildings or structures.

The proposed building is well-designed and should be highly suitable for a variety of office, manufacturing and/or warehouse-type users. The design of the new concrete tilt-up industrial building provides quality architectural design, as demonstrated by glazing, pop-outs, and variations in height, materials, and color. These architectural design elements break up the mass of the building, and present an attractive, distinctive façade to visitors. At this time, the proposed building does not have a particular tenant and the tenant is considered speculative. As designed, the new building is suitable for their intended industrial users, and the distinctive design of the building represents the architectural principles of proportion and harmony.

(D) That consideration be given to landscaping, fencing and other elements of the proposed development to ensure that the entire development is in harmony with the objectives of this chapter.

Extensive consideration has been given to numerous elements of the proposed project to achieve harmony with the City's Zoning Ordinance. The majority of the landscaping will be provided along Greenstone Avenue for maximum aesthetic value. Additionally, the truck wells and dock doors have been strategically placed so that they will not be directly visible from the public right-of-way. Nevertheless, a 14' high concrete screen wall with a 10' high sliding gate will be provided to screen activities within the truck yard area. And lastly, the proposed trash enclosures have been strategically placed where they are not visible or easily accessible by the public, and where they have least impact on adjacent properties.

(E) That it is not the intent of this subchapter to require any particular style or type of architecture other than that necessary to harmonize with the general area.

As stated previously, the proposed building is contemporary in design. The architect used glazing, pop-outs, height variations, materials, and color. The style and architecture of the proposed building is consistent with other high quality buildings that were recently constructed in the general area.

(F) That it is not the intent of this subchapter to interfere with architectural design except to the extent necessary to achieve the overall objectives of this chapter.

Pursuant to Section 155.736 of the Zoning Ordinance "The purpose of the development plan approval is to assure compliance with the provisions of this chapter and to give proper attention to the siting of new structures or additions or alterations to existing structures, particularly in regard to unsightly and undesirable appearance, which would have an adverse effect on surrounding properties and the community in general." As a result, the City Council believes that proper attention has been given to the location, size, and overall design of the proposed building and related improvements.

(G) As a means of encouraging residential development projects to incorporate units affordable to extremely low income households and consistent with the city's housing element, the city will waive Planning Department entitlement fees for projects with a minimum of 10% extremely low income units. For purposes of this section, extremely low income households are households whose income does not exceed the extremely low-income limits applicable to Los Angeles County, as published and periodically updated by the state's Department of Housing and Community Development pursuant Cal. Health and Safety Code § 50106.

The City Council finds that the proposed project is not a residential development; therefore, the requirements pertaining to low income units do not apply.

SECTION 3. CITY COUNCIL ACTION

The City Council hereby adopts the Mitigated Negative Declaration dated May 25, 2021 and the Mitigation Monitoring and Reporting Program (attached hereto as Exhibit B) and approves Development Plan Approval Case No. 980 to allow the construction of a new ±144,434 sq. ft. concrete tilt-up industrial building and related improvements for the subject property located at 11401 Greenstone Avenue, subject to conditions attached hereto as Exhibit A. In taking these actions, the City Council denies the appeal filed by the Supporters Alliance for Environmental Responsibility.

SECTION 4. RECORD.

- Α. The custodian of records for the documents and materials which constitute the record of proceedings upon which this decision is based is the City Clerk whose address is the City Clerk's office in City Hall located at 11710 East Telegraph Road, Santa Fe Springs 90670.
- B. Each and every one of the findings and determination in this Resolution are based on the competent and substantial evidence, both oral and written, contained in the entire record relating to the project. The findings and determinations constitute the independent findings and determinations of the City Council in all respects and are fully and completely supported by substantial evidence in the record as a whole.
- C. All summaries of information in the findings, which precede this section, are based on the substantial evidence in the record. The absence of any particular fact from any such summary is not an indication that a particular finding is not based in part on that fact.

SECTION 4. CERTIFICATION

The City Clerk shall certify to the adoption of this Ordinance, including the vote for and against and shall post a certified copy of this ordinance, within 15 days after its passage to be posted in at least three (3) public places within the City as established by ordinance, and, in compliance with Section 36933 of the Government Code.

SECTION 5. EFFECTIVE DATE

This

s resolution shall be effective immediately.
PASSED and ADOPTED this 5th day of April, 2022 by the following roll call vote
AYES:
NOES:
ABSENT:
ABSTAIN:
_

ATTEST:	Annette Rodriguez, Mayor
Janet Martinez, CMC, City Clerk	

Exhibit A: Conditions of Approval

Exhibit B: Mitigation Monitoring and Reporting Program

EXHIBIT A - CONDITIONS OF APPROVAL <u>Development Plan Approval Case No. 980</u> <u>11401 Greenstone Avenue</u> APN: 8026-018-023

ENGINEERING / PUBLIC WORKS DEPARTMENT:

(Contact: Robert Garcia 562-868-0511 x7545)

STREETS

- 1. That the applicant will pay a flat fee of \$29,382.00 to reconstruct/resurface the existing street frontage to centerline for Greenstone Avenue.
- 2. That applicant will remove and replace (2) driveway approaches, curb, & gutter per city standard plan R-6.4B along Greenstone Avenue.
- 3. That the applicant will design and construct a 5-foot wide meandering sidewalk per City standard plan R-12 and dedicate an easement along the Greenstone Avenue. Easement will be shown on the Parcel/Tract Map or per Exhibit and Description prepared by California Licensed Civil Engineer or Land Surveyor, to be recorded by applicant. Furthermore, said meandering sidewalk will be shown on both the civil and landscape plans.
- 4. That applicant will replace all concrete street pavement disrupted in the installation of all new proposed utility services. The concrete pavement will be full panel replacement, from joint to joint, or joint to existing score line. New Concrete panels will match existing concrete pavement thickness (nine inches thick minimum), and joined/dowelled to existing street per latest S.P.P.W.C. (Greenbook) Standard. Subgrade to match existing street section.
- 5. All above oil wells, pipelines, tanks, and related lines within the public right-ofway will be removed from the right-of-way unless otherwise approved by the City Engineer.
- 6. That adequate "on-site" parking will be provided per City requirements, and all streets abutting the development will be posted "No Stopping Any Time." The City will install the offsite signs and the applicant will pay **\$600.00** to install (3) new signs.
- 7. That the applicant will pay to the City, **\$15,000.00** the entire cost of design, engineering, installation and inspection of (1) street lights on Greenstone Avenue. The City will design and cause construction of said street light(s).
- 8. Proposed driveways will be located to clear existing fire hydrants, street lights, water meters, etc.

CITY UTILITIES

- 9. Storm drains, catch basins, connector pipes, retention basin and appurtenances built for this project will be constructed in accordance with City specifications in Greenstone Avenue. Storm drain plans will be approved by the City Engineer.
- 10. Fire hydrants will be installed as required by the Fire Department. Existing public fire hydrants adjacent to the site, if any, will be upgraded if required by the City Engineer. That the applicant will pay to the City the entire cost of design, engineering, installation and inspection of Fire hydrants.
- 11. That sanitary sewers will be constructed in accordance with City specifications to serve the subject development. The plans for the sanitary sewers will be approved by the City Engineer. A sewer study (including a sewer flow test) will be submitted along with the sanitary sewer plans.
- 12. All buildings will be connected to the sanitary sewers.
- 13. That the fire sprinkler plans, which show the proposed double-check valve detector assembly location, will have a stamp approval from the Planning Department and Public Works Department prior to the Fire Department's review for approval. Disinfection, pressure and bacteriological testing on the line between the street and detector assembly will be performed in the presence of personnel from the City Water Department. The valve on the water main line will be operated only by the City and only upon the City's approval of the test results.
- 14. That the applicant will obtain a Storm Drain Connection Permit for any connection to the storm drain system.
- 15. That the landscape irrigation system will be connected to reclaimed water, if available, on Greenstone Avenue. Separate meter(s) will be installed to accommodate connection or future connection of irrigation systems to the reclaimed water line.
- 16. The applicant will have an overall site utility master plan prepared by a Registered Civil Engineer showing proposed location of all public water mains, reclaimed water mains, sanitary sewers and storm drains. This plan will be approved by the City Engineer prior to the preparation of any construction plans for the aforementioned improvements.

TRAFFIC

17. The applicant will submit a traffic study prepared by a Professional Engineer. The traffic study will show the present traffic in the area and projected traffic after the development of the property. Any improvements or mitigation measures

including installation of traffic signals and/or modifications, the installation of additional left turn lanes or deceleration lanes, the lengthening of left turn lanes or other median modifications, etc. that are warranted based on the study, the applicant and/or developer will pay to the City the full cost of design engineering, installation and inspection of the improvements. The City will design and cause construction of the improvements.

18. That all point of access to the proposed development will be reviewed and approved by the City Engineer. Left turns may be prohibited as designated by the City Engineer.

FEES

- 19. That the applicant will comply with Congestion Management Program (CMP) requirements and provide mitigation of trips generated by the development. The applicant and/or developer will receive credit for the demolition of any buildings that formerly occupied the site. For new developments, the applicant and/or developer cannot meet the mitigation requirements, the applicant and/or developer will pay a mitigation fee of \$23,267.00 for off-site transportation improvements.
- 20. That the applicant will comply with all requirements of the County Sanitation District, make application for and pay the sewer maintenance fee.
- 21. That the applicant will pay the water trunkline connection fee of \$3,700.00 per acre upon application for water service connection or if utilizing any existing water service.

MISCELLANEOUS

- 22. That a grading plan will be submitted for drainage approval to the City Engineer. The applicant will pay drainage review fees in conjunction with this submittal. A professional civil engineer registered in the State of California will prepare the grading plan.
- 23. That a hydrology study will be submitted to the City. The study will be prepared by a Professional Civil Engineer.
- 24. That upon completion of public improvements constructed by developers, the developer's civil engineer will submit mylar record drawings and an electronic file (AutoCAD Version 2004 or higher) to the office of the City Engineer.
- 25. That the applicant will comply with the National Pollutant Discharge Elimination System (NPDES) program and will require the general contractor to implement storm water/urban runoff pollution prevention controls and Best Management Practices (BMPs) on all construction sites in accordance with the current MS4

Permit. The applicant will also be required to submit a Certification for the project and will be required to prepare a Storm Water Pollution Prevention Plan (SWPPP) and Low Impact Development Plan (LID).

<u>DEPARTMENT OF FIRE: ENVIRONMENTAL PREVENTION:</u> (Contact: Eric Scott 562.868.0511 x 3812

- 26. <u>Permits and approvals.</u> That the applicant shall, at its own expense, secure or cause to be secured any and all permits or other approvals which may be required by the City and any other governmental agency prior to conducting environmental assessment or remediation on the property. Permits shall be secured prior to beginning work related to the permitted activity.
- 27. That all abandoned pipelines, tanks and related facilities shall be removed unless approved by the City Engineer and Fire Chief. Appropriate permits for such work shall be secured before abandonment work begins.
- 28. That the applicant shall comply with all Federal, State and local requirements and regulations included, but not limited to, the Santa Fe Springs City Municipal Code, California Fire Code, Certified Unified Program Agency (CUPA) programs, the Air Quality Management District's Rules and Regulations and all other applicable codes and regulations.

<u>DEPARTMENT OF FIRE - RESCUE (FIRE PREVENTION DIVISION):</u> (Contact: Chad Van Meeteren 562.868.0511 x 3811)

- 29. That all buildings over 5,000 sq. ft. shall be protected by an approved automatic sprinkler system per Section 93.11 of the Santa Fe Springs Municipal Code.
- 30. That the applicant shall comply with the requirements of Section 117.131 of the Santa Fe Springs Municipal Code, Requirement for a Soil Gas Study, in accordance with Ordinance No. 955, prior to issuance of building permits.
- 31. That a methane gas protection system designed in accordance with the standards established by the County of Los Angeles shall be required for all habitable structures. Plans for the proposed methane gas protection system shall be submitted to the Department of Fire-Rescue prior to construction. An alternative to the County of Los Angeles standards may be acceptable if approved by the Department of Fire-Rescue.
- 32. That interior gates or fences are not permitted across required Department of Fire-Rescue access roadways unless otherwise granted prior approval by the City Department of Fire-Rescue.
- 33. That if on-site fire hydrants are required by the Department of Fire-Rescue, a minimum flow must be in accordance with Appendix B from the current Fire Code

- flowing from the most remote hydrant. In addition, on-site hydrants must have current testing, inspection and maintenance per California Title 19 and NFPA 25.
- 34. That the standard aisle width for onsite emergency vehicle maneuvering shall be 26 feet with a minimum clear height of 13 feet 6 inches. Internal driveways shall have a turning radius of not less than 52 feet. The final location and design of this 26 feet shall be subject to the approval of the City's Fire Chief as established by the California Fire Code. A request to provide emergency vehicle aisle width less than 26 feet shall be considered upon the installation/provision of mitigation improvements approved by the City's Fire Chief.
- 35. That prior to submitting plans to the Building Department, a preliminary site plan shall be approved by the Department of Fire-Rescue for required access roadways and on-site fire hydrant locations. The site plan shall be drawn at a scale between 20 to 40 feet per inch. Include on plan all entrance gates that will be installed.
- 36. That Knox boxes are required on all new construction. All entry gates shall also be equipped with Knox boxes or Knox key switches for power-activated gates.
- 37. That signs and markings required by the Department of Fire-Rescue shall be installed along the required Department of Fire-Rescue access roadways.

POLICE SERVICES DEPARTMENT:

(Contact: Lou Collazo at 562.409.1850 x 3335)

- 38. That the applicant shall submit and obtain approval of a proposed lighting (photometric) plan for the property from the City's Department of Police Services. The photometric plan shall be designed to provide adequate lighting (minimum of 1 foot candle power) throughout the subject property. Further, all exterior lighting shall be designed/installed in such a manner that light and glare are not transmitted onto adjoining properties in such concentration/quantity as to create a hardship to adjoining property owners or a public nuisance. The photometric plans shall be submitted to the Director of Police Services no later than sixty (60) day from the date of approval by the Planning Commission.
- 39. That the applicant shall provide an emergency phone number and a contact person of the person or persons involved in the supervision of the construction to the Department of Police Services. The name, telephone number, fax number and e-mail address of that person shall be provided to the Director of Police Services no later than 60 days from the date of approval by the Planning Commission. Emergency information shall allow emergency service to reach the applicant or their representative any time, 24 hours a day.
- 40. That in order to facilitate the removal of unauthorized vehicles parked on the property, the applicant shall post, in plain view and at each entry to the property,

a sign not less than 17" wide by 22" long. The sign shall prohibit the public parking of unauthorized vehicles and indicate that unauthorized vehicles will be removed at the owner's expense and also contain the California Vehicle Code that permits this action. The sign shall also contain the telephone number of the local law enforcement agency (Police Services Center (562) 409-1850). The lettering within the sign shall not be less than one inch in height. The applicant shall contact the Police Services Center for an inspection no later than 30 days after the project has been completed and prior to the occupancy permit being issued.

- 41. That all tenants occupying the premises are to be notified that all respective work shall be conducted inside at all times including, but not limited to, all loading and unloading of trucks and trailers. Items shall not be left out awaiting loading.
- 42. That trucks are not to back-in from the street or block traffic at any time; drivers are subject to citations.
- 43. That off-street parking areas shall not be reduced or encroached upon at any time.
- 44. That the proposed buildings, including any lighting, fences, walls, cabinets, and poles shall be maintained in good repair, free from trash, debris, litter and graffiti and other forms of vandalism. Any damage from any cause shall be repaired within 72 hours of occurrence, weather permitting, to minimize occurrences of dangerous conditions or visual blight. Paint utilized in covering graffiti shall be a color that matches, as closely possible, the color of the existing and/or adjacent surfaces.
- 45. That during the construction phase of the proposed project, the contractor shall provide an identification number (i.e. address number) at each building and/or entry gate to direct emergency vehicles in case of an emergency. The identification numbers may be painted on boards and fastened to the temporary construction fence. The boards may be removed after each building has been identified with their individual permanent number address.
- 46. That it shall be the responsibility of the job-supervisor to maintain the job site in a clean and orderly manner. Dirt and debris that has migrated to the street or neighboring properties shall be immediately cleaned. Porte-potties, or equal, shall not be visible from the public street and maintained on a regular basis.
- 47. That all construction debris shall be placed in trash/recycle bins at the end of every work day and shall not be left out visible from public view.
- 48. That the property owner and/or lease agent shall notify any potential tenants they are mandated to comply with the ambient noise requirements as required by Santa Fe Springs Zoning Code Section 155.424.

- 49. That the property owner and/or lease agent shall notify any potential tenants that the parking areas and their respective aisle shall not be reduced or encroached upon with outdoor storage. Moreover, outdoor storage is prohibited at all times.
- 50. That all parking stalls and/or designated parking areas shall be constantly available to all employees during their business hours. Parking Stalls shall not be sectioned off for reserved or preferred parking. Temporary reduction of parking stalls for the temporary storage of building construction material as a result of building repairs, or the like, is permitted.
- 51. That trucks of any kind or passenger vehicles associated with the property shall not queue on the street or cause any traffic congestion that would cause the free street access to the emergency vehicles exiting the Fire station across Greenstone Avenue.

WASTE MANAGEMENT:

(Contact: Maribel Garcia 562.868.0511 x7509)

- 52. The applicant shall comply with Section 50.51 of the Municipal Code which prohibits any business or residents from contracting any solid waste disposal company that does not hold a current permit from the City.
- 53. All projects are subject to the requirements of Chapter 50 to reuse or recycle 75% of the project waste. Contact the Environmental Consultant, MuniEnvironmental at (562) 432-3700.
- 54. The applicant shall comply with Public Resource Code, Section 42900 et seq. (California Solid Waste Reuse and Recycling Access Act of 1991) as amended, which requires each development project to provide adequate storage area for the collection/storage and removal of recyclable and green waste materials.

PLANNING AND DEVELOPMENT DEPARTMENT:

(Contact: Vince Velasco 562.868.0511 x7353)

- 55. This approval shall allow the applicant, Greenstone SFS, LLC, to construct, operate, and maintain a new ±144,400 sq. ft. concrete tilt-up industrial building on the subject property.
- 56. The applicant shall comply with the City's "Heritage Artwork in Public Places Program" in conformance with City Ordinance No. 1054.
- 57. To prevent the travel of combustible methane gas into any structure, all slab or foundation penetrations, including plumbing, communication and electrical penetrations, must be sealed with an appropriate material. In addition, underground electrical conduits penetrating the slab or foundation of the

structure, shall comply with the National Electrical Code (NEC), replete with a seal-off device normally required for classified electrical installations, so as to prevent the travel of combustible methane gas into the structure through conduit runs. <u>Refer to California Electrical Code</u>, <u>Chapter 5</u>, <u>Sections 500 and 501</u>.

- 58. The subject property is located within the "Methane Zone". As a result the applicant shall therefore indicate the subject property is located within the Methane Zone on the first page of the building construction plans as well as the MEPs that are submitted to the County. Said indication shall be clearly painted with a minimum front size of 20 point.
- 59. The Mitigation Monitoring and Reporting Program, which was prepared for the proposed project and adopted by the Planning Commission upon completion of the Initial Study/Mitigated Negative Declaration, shall be made part of the conditions of approval for the subject development on property located at 11401 Greenstone Avenue (APN: 8026-018-023). The Mitigation Monitoring and Reporting Program is listed as an attachment to this staff report.
- 60. The applicant shall be responsible for implementing mitigation measures pursuant to the Mitigation Monitoring and Reporting Program and provide all necessary documentation. Planning Department staff will verify compliance prior to the issuance of the Certificate of Occupancy. *Mitigations that require on-going monitoring shall be reported to the City every six (6) months.*
- 61. Prior to the issuance of Building Permits, the applicant shall obtain an Office Trailer Permit for any use of mobile office trailers during the construction process.
- 62. During construction, the following information shall be made available on a sign posted at the main entrance(s) to the site:
 - a. Name of the development/project.
 - b. Name of the development company.
 - c. Address or Address range for the subject site.
 - d. 24-hour telephone number where someone can leave a message on a particular complaint (dust, noise, odor, etc.)
- 63. The applicant, Greenstone SFS, LLC, shall implement a dust control program for air quality control. The program shall ensure that a water vehicle for dust control operations is kept readily available at all times during construction. The developer shall provide the City Engineer and Building Official with the name, telephone number and e-mail address of the person directly responsible for dust control and operation of the vehicle.
- 64. Secure fencing around the construction site with locking gates and appropriate lighting shall be installed during construction to prevent trespassing and theft.

- 65. It shall be unlawful for any person to operate equipment or perform any outside construction or repair work on buildings, structures, or projects, other than emergency work, between 7:00 p.m. on one day and 7:00 a.m. of the following day, if such maintenance activity produces noise above the ambient levels as identified in the City's Zoning Ordinance.
- 66. The applicant shall be responsible for reviewing and/or providing copies of the required conditions of approval to his/her architect, engineer, contractor, tenants, etc. Additionally, the conditions of approval contained herein shall be made part of the construction drawings for the proposed development. Construction drawings shall not be accepted for Plan Check without the conditions of approval incorporated into the construction drawings.
- 67. The applicant shall submit Mechanical plans that include a roof plan that shows the location of all roof mounted equipment. All roof-mounted mechanical equipment and/or duct work which projects above the roof or roof parapet of the proposed development and is visible from adjacent property or a public street shall be screened by an enclosure which is consistent with the architecture of the building and approved by the Director of Planning or designee.
 - a. To illustrate the visibility of equipment and/or duct work, the following shall be submitted along with the Mechanical Plans:
 - i. A roof plan showing the location of all roof-mounted equipment;
 - ii. Elevations of all existing and proposed mechanical equipment; and
 - iii. A line-of-sight drawing or a building cross-section drawing which shows the roof-mounted equipment and its relation to the roof and parapet lines.

<u>NOTE</u>: line-of sight drawing and/or building cross section must be scaled.

- 68. The applicant shall submit a lighting program that is integrated into the overall site, landscape design and building design. Lighting shall be used to highlight prominent building features such as entries and other focal points. Up-lighting should also be used as a way to enhance the texture of plants and structures, to create a sense of height in a landscape design.
- 69. The applicant agrees and understands that any existing overhead utilities within the development shall be placed underground.
- 70. Applicant shall provide for appropriate cable television systems and for communication systems, including but not limited to, telephone and internet services to each building in the subdivision. The applicant is responsible for complying with this requirements and shall make necessary arrangements with each of the serving utilities, including licensed cable television operators and other video service providers for the installation of these facilities.

- 71. All fences, walls, gates and similar improvements for the proposed development shall be subject to the prior approval of the Fire Department and the Department of Planning and Development.
- 72. Sufficient number of approved outdoor trash enclosures shall be provided for the development subject to the approval of the Director of Planning or designee. The calculation to determine the required storage area is: 1% of the first 20,000 sq. ft. of floor area + ½% of floor area exceeding 20,000 sq. ft., but not less than 4 ½ feet in width nor than 6 feet in height. (Calculations are subject to change).
- 73. All outdoor trash enclosures shall provide a solid roof cover. (Please see L.A. County Department Public Works handout).
- 74. Approved suite numbers/letters or address numbers shall be placed on the proposed building in such a position as to be plainly visible and legible from the street fronting the property. Said numbers shall contrast with their background. The size recommendation shall be 12" minimum.
- 75. Approved suite numbers/letters or address numbers shall be placed on the proposed building in such a position as to be plainly visible and legible from the street fronting the property.
- 76. All street-facing roof drains shall be provided along the interior walls and not along the exterior of the building.
- 77. The proposed development shall be constructed of quality material and any material shall be replaced when and if the material becomes deteriorated, warped, discolored or rusted.
- 78. The Department of Planning and Development requires that the double-check detector assembly be placed as far back from the property line as practical, screened by shrubs or other materials, and painted forest green. All shrubs shall be planted a minimum distance of two (2) feet surrounding the detector assembly; however.the area in front of the OS and Y valves shall not be screened. The screening shall also only be applicable to the double-check detector assembly and shall not.include the fire department connector (FDC). Notwithstanding, the Fire Marshall shall have discretionary authority to require the FDC to be located a minimum distance from the double-check detector assembly. The bottom of the valve shut off wheel shall be located a maximum of two (2) feet above ground.
- 79. That all Reduced Pressure Backflow preventer shall be installed in a backflow prevention cage on a concrete pad. The backflow preventer shall be painted "forest green." Please see All-Spec Enclosure Inc., stainless steel tubular backflow preventer. The enclosure shall be lockable, weather resistant and

vandal proof. The location shall be near the water meter in the landscape area. Note: See Public Works Backflow Prevention Enclosure standard W-20.

80. The applicant shall submit for approval a detailed landscape and automatic irrigation plan pursuant to the Landscaping Guidelines of the City. Said landscape plan shall indicate the location and type of all plant materials, existing and proposed, shrubs designed to fully screen the interior yard and parking areas from public view, and minimum 24" box trees along the street frontage. Said plans shall be consistent with AB 1881 (Model Water Efficient Landscape Ordinance).

NOTE: Staff shall not approve the landscaping and irrigation plan without first reviewing and approving the civil drawings, specifically as it pertains to the landscaping and irrigation plan (i.e., location and size of riprap, bioswales, areas of infiltration trenches, etc.)

- 81. The landscaped areas shall be provided with a suitable, fixed, permanent and automatically controlled method for watering and sprinkling of plants. This operating sprinkler system shall consist of an electrical time clock, control valves, and piped water lines terminating in an appropriate number of sprinklers to insure proper watering periods and to provide water for all plants within the landscaped area. Sprinklers used to satisfy the requirements of this section shall be spaced to assure complete coverage of all landscaped areas. Said plan shall be consistent with AB 1881 (Model Water Efficient Landscape Ordinance).
- 82. Upon completion of the landscaping improvements, said landscaped areas shall be maintained in a neat, clean, orderly and healthful condition. This is meant to include proper pruning, mowing of lawns, weeding, and removal of litter, fertilizing, and replacement of plants when necessary and the regular watering of all plantings.
- 83. Transformers shall not be located within the front yard setback area. The location of the transformer(s) shall be subject to the prior approval of the Director of Planning or designee. The electrical transformer shall be screened with shrubs consistent with Southern California Edison's Guidelines which requires three foot clearance on sides and back of the equipment, and eight foot clearance in front of the equipment. Additionally, the landscaping irrigation system shall be installed so that they do not spray on equipment. (A copy of the Guideline is available at the Planning Department.)
- 84. The applicant shall be responsible for insuring future tenants to not allow commercial vehicles, trucks and/or truck tractors to queue on Greenstone Avenue, use Greenstone Avenue as a staging area, or to back-up onto the street from the subject property.
- 85. No portion of the required off-street parking and driveway areas shall be used for outdoor storage of any type or for special-event activities, unless prior written

- approval is obtained from the Director of Planning, Director of Police Services and the Fire Marshall.
- 86. That all parking areas shall be striped in accordance with the proposed site plan, as submitted by the applicant and on file with this case. A minimum of 205 parking stalls shall be provided and continually maintained on-site at all times.
- 87. All parking stalls shall be legibly marked on the pavement. Additionally, all compact spaces shall be further identified by having the words "Compact" or comparable wording legibly written on the pavement, wheel stop or on a clearly visible sign.
- 88. The applicant shall provide a bulletin board, display case, or kiosk to display transportation information where the greatest number of employees are likely to see it. Information shall include, but is not limited to:
 - Current maps, routes and schedules for public transit routes serving the site; and
 - 2. Telephone numbers for referrals on transportation information including numbers for the regional ridesharing agency and local transit operators; and
 - 3. Ridesharing promotional material supplied by commuter-oriented organizations; and
 - 4. Bicycle route and facility information, including regional/local bicycle maps and bicycle safety information; and
 - 5. A listing of facilities available for carpoolers, vanpoolers, bicyclists, transit riders and pedestrians at the site. This is required to both meet the requirements of Section 155.502 (D) of the Zoning Ordinance and also a goal identified within the City's General Plan Circulation Element.
- 89. Preferential parking spaces shall be reserved for potential carpool/vanpool vehicles without displacing handicapped and customer parking needs. Vanpool space(s) shall be legibly marked on the pavement or identified by a sign and also conveyed to employees through the required transportation information board. The preferential carpool/vanpool parking shall be identified on the site plan at the time of plan check submittal. This is required to both meet the requirements of Section 155.502 (D) of the Zoning Ordinance and also a goal identified within the City's General Plan Circulation Element.
- 90. An area shall be designate for bicycle parking and bicycle racks shall be provided. Bike racks shall be provided to accommodate bicycles at a ratio of 4 bicycles for first 50,000 square feet and 1 bicycle for each additional 50,000 square feet. This is required to both meet the requirements of Section 155.502 (D) of the Zoning Ordinance and also a goal identified within the City's General Plan Circulation Element.

- 91. There shall be a safe and convenient zone in which carpool/vanpool vehicles may deliver or board their passengers. Additionally, there shall be sidewalks or other designated pathways following direct and safe routes from external pedestrian circulation system to each building in the development and safe and convenience access from the external circulation system to bicycle parking facilities on-site. This is required to both meet the requirements of Section 155.502 (D) of the Zoning Ordinance and also a goal identified within the City's General Plan Circulation Element.
- 92. The Department of Planning and Development shall first review and approve all sign proposals for the development. The sign proposal (plan) shall include a site plan, building elevation on which the sign will be located, size, style and color of the proposed sign. All drawings shall be properly dimensioned and drawn to scale on 11" x 17" maximum-size paper. All signs shall be installed in accordance with the sign standards of the City's Zoning Ordinance and the Sign Guidelines of the City.
- 93. Prior to issuance of building permits, the applicant shall comply with the following conditions to the satisfaction of the City of Santa Fe Springs:
 - a. Covenants.
 - The applicant shall provide a written covenant to the Planning 1. Department that, except as applicant may have otherwise disclosed to the City, Commission, Planning Commission or their employees, in writing, applicant has investigated environmental condition of the property and does not know, or have reasonable cause to believe, that (a) any crude oil, hazardous substances or hazardous wastes, as defined in state and federal law, have been released, as that term is defined in 42 U.S.C. Section 9601 (22), on, under or about the Property, or that (b) any material has been discharged on, under or about the Property that could affect the quality of ground or surface water on the Property within the meaning of the California Porter-Cologne Water Quality Act, as amended, Water Code Section 13000, et seq
 - The applicant shall provide a written covenant to the City that, based on reasonable investigation and inquiry, to the best of the applicant's knowledge, it does not know or have reasonable cause to believe that it is in violation of any notification, remediation or other requirements of any federal, state or local agency having jurisdiction concerning the environmental conditions of the Property.
 - b. The applicant understands and agrees that it is the responsibility of the applicant to investigate and remedy, pursuant to applicable federal, state and local law, any and all contamination on or under any land or structure affected by this approval and issuance of related building permits. The City, Commission, Planning Commission or their

- employees, by this approval and by issuing related building permits, in no way warrants that said land or structures are free from contamination or health hazards.
- c. The applicant understands and agrees that any representations, actions or approvals by the City, Commission, Planning Commission or their employees do not indicate any representation that regulatory permits, approvals or requirements of any other federal, state or local agency have been obtained or satisfied by the applicant and, therefore, the City, Commission, Planning Commission or their employees do not release or waive any obligations the applicant may have to obtain all necessary regulatory permits and comply with all other federal, state or other local agency regulatory requirements. The applicant, not the City, Commission, Planning Commission or their employees will be responsible for any and all penalties, liabilities, response costs and expenses arising from any failure of the applicant to comply with such regulatory requirements.
- 94. The applicant shall require and verify that all contractors and sub-contractors have successfully obtained a Business License with the City of Santa Fe Springs prior to beginning any work associated with the subject project. A late fee and penalty will be accessed to any contractor or sub-contractor that fails to obtain a Business License and a Building Permit final or Certificate of Occupancy will not be issued until all fees and penalties are paid in full. Please contact the Finance Department at (562) 868-0511, extension 7520 for additional information. A business license application can also be downloaded at www.santafesprings.org.
- 95. Prior to occupancy of the property/buildings, the applicant and/or his tenant(s), shall obtain a valid business license (AKA Business Operation Tax Certificate), and submit a Statement of Intended Use. Both forms, and other required accompanying forms, may be obtained at City Hall by contacting the Finance Department at (562) 868-0511, extension 7520, or through the City's web site (www.santafesprings.org).
- 96. The development shall be built substantially in accordance with the plot plan, floor plan, and elevations submitted by the applicant and on file with the case. Any modification shall be subject to the review and approval of the Director of Planning or his/her designee.
- 97. The final site plan, floor plan and elevations of the proposed development and all other appurtenant improvements, textures and color schemes shall be subject to the final approval of the Director of Planning.
- 98. That prior to the issuance of the Certificate of Occupancy, the applicant shall provide certification from the Landscape Architect of record that the plant installation on the Site are in accordance with the approval planting an irrigation plan.

- 99. The applicant understands and agrees that if any term or condition of this approval is determined in whole or in part to be invalid or unenforceable, such determination shall not affect the validity or enforceability of any other term or condition contained herein.
- 100. The applicant understands and agrees that this approval is subject to modification or revocation as set forth in the Santa Fe Springs Municipal Code. Grounds for modification or revocation include, but are not limited to, Applicant's failure to comply with any condition of approval contained herein.
- 101. The applicant understands and agrees that if changes to the original plans (submitted and on file with the subject case) are required during construction, revised plans shall be provided to the Planning Department for review and approval prior to the implementation of such changes. Please note that certain changes may also require approvals from other departments.
- 102. All other requirements of the City's Zoning Ordinance, Building Code, Property Maintenance Ordinance, State and City Fire Code and all other applicable County, State and Federal regulations and codes shall be complied with.
- 103. Unless otherwise specified in the action granting Development Plan Approval, said approval which has not been utilized within a period of 12 consecutive months from the effective date shall become null and void. Also the abandonment or nonuse of a development plan approval and any privileges granted thereunder shall become null and void. However, an extension of time may be granted by Commission or Council action.

104. The applicant agrees to defend, indemnify and hold harmless the City of Santa Fe Springs, its agents, officers and employees from any claim, action or proceeding against the City or its agents, officers or employees to attack, set aside, void or annul an approval of the City or any of its councils, commissions, committees or boards arising from or in any way related to the all entitlements and approvals issued by the City in connection with the Project and from any CEQA challenges relating to the environmental review and determination for the Project, or any actions or operations conducted pursuant thereto. Should the City, its agents, officers or employees receive notice of any such claim, action or proceeding, the City shall promptly notify the applicant of such claim, action or proceeding, and shall cooperate fully in the defense thereof.

Attachment No. 14b

MITIGATION MONITORING & REPORTING PROGRAM

GREENSTONE AVENUE INDUSTRIAL DEVELOPMENT 11401 GREENSTONE AVENUE SANTA FE SPRINGS, CALIFORNIA



LEAD AGENCY:

CITY OF SANTA FE SPRINGS PLANNING AND DEVELOPMENT DEPARTMENT 11710 TELEGRAPH ROAD SANTA FE SPRINGS, CALIFORNIA 90670

REPORT PREPARED BY:

BLODGETT BAYLOSIS ENVIRONMENTAL PLANNING 2211 S. HACIENDA BOULEVARD, SUITE 107 HACIENDA HEIGHTS, CALIFORNIA 91745

MAY 25,2021

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MITIGATION MONITORING & REPORTING PROGRAM

INTRODUCTION & FINDINGS

The Initial Study determined that the proposed project is not expected to have any significant adverse environmental impacts. The following findings can be made regarding the Mandatory Findings of Significance set forth in Section 15065 of the CEQA Guidelines based on the results of this Initial Study:

- The proposed project will not have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, substantially reduce the number or restrict the range of an endangered, rare or threatened species or eliminate important examples of the major periods of California history or prehistory.
- The proposed project *will not* have impacts that are individually limited, but cumulatively considerable.
- The proposed project *will not* have environmental effects which will cause substantially adverse effects on human beings, either directly or indirectly.

In addition, pursuant to Section 21081(a) of the Public Resources Code, findings must be adopted by the decision-maker coincidental to the approval of a Mitigated Negative Declaration, which relates to the Mitigation Monitoring Program. These findings shall be incorporated as part of the decision-maker's findings of fact, in response to AB-3180 and in compliance with the requirements of the Public Resources Code. In accordance with the requirements of Section 21081(a) and 21081.6 of the Public Resources Code, the City of Santa Fe Springs can make the following additional findings:

- A mitigation reporting or monitoring program will be required; and,
- An accountable enforcement agency or monitoring agency shall be identified for the mitigation measures adopted as part of the decision-maker's final determination.

A number of mitigation measures have been recommended as a means to reduce or eliminate potential adverse environmental impacts to insignificant levels. AB-3180 requires that a monitoring and reporting program be adopted for the recommended mitigation measures.

SUMMARY OF MITIGATION MEASURES

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the

construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

The analysis determined that the following mitigation measures would be required to address potentially significant impacts with respect to hazardous materials:

Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the city prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.

Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.

The Gabrielino-Kizh indicated that the project area is located within the Tribe's ancestral territory. However, the Tribe considers the area to be sensitive for cultural resources, and requests the following mitigation measure be implemented:

Mitigation Measure No. 4 (Tribal Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.

MITIGATION MONITORING MATRIX

The monitoring and reporting for the mitigation measures, including the period for implementation, monitoring agency, and the monitoring action, are identified in Table 1.

Table 1 Mitigation Monitoring Program

Measure	Enforcement Agency	Monitoring Phase	Verification
Mitigation Measure No. 1 (Cultural Resources). The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, potholing or auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	During the project's construction phase. Mitigation ends when construction is completed.	Date: Name & Title:
Mitigation Measure No. 2 (Hazardous Materials). The project Applicant must retain the services of a qualified professional to oversee the preparation of a Soil Management Plan (SMP) that will focus on the handling, storage, and transport of potentially contaminated soils during grading and excavation activities. The SMP will be reviewed and must be approved by the City of Santa Fe Springs and the Southern California Regional Water Quality Control Board. The SMP must be approved by the city prior to commencement of any removal of contaminated soils. The SMP mitigation will end once the project's construction activities commence.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the start of any construction related activities. Mitigation ends at the completion of the construction phase.	Date: Name & Title:
Mitigation Measure No. 3 (Hazardous Materials). The project Applicant will be required obtain the services of a qualified contractor to design and install proper ventilation in all enclosed spaces so as to prevent the build-up of methane and carbon monoxide. All of the units must contain methane and carbon dioxide (multi gas) monitors and alarms. All of the monitors must be maintained in good working order. The monitors must be installed prior to the issuance of occupancy permits. The City will make the determination as to the type of the vapor intrusion barrier that will be required and whether it will use passive or active venting prior to the approval of the proposed project.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the issuance of any Building Permits Mitigation ends at the completion of the construction phase.	Date: Name & Title:
Mitigation Measure No. 4 (Tribal Cultural Resources) The project Applicant will be required to obtain the services of a qualified Native American Monitor during construction-related ground disturbance activities. Ground disturbance is defined by the Tribal Representatives from the Gabrieleño Band of Mission Indians, Kizh Nation as activities that include, but are not limited to, pavement removal, auguring, boring, grading, excavation, and trenching, within the project area. The monitor(s) must be approved by the tribal representatives and will be present on-site during the construction phases that involve any ground disturbing activities. The on-site monitoring shall end when the project site grading and excavation activities are completed, or when the monitor has indicated that the site has a low potential for archeological resources.	City of Santa Fe Springs Planning and Development Department • (The Applicant is responsible for implementation)	Prior to the issuance of any Grading Permits Mitigation ends at the completion of the construction phase.	Date: Name & Title:



City Council Meeting April 5, 2022

NEW BUSINESS

Police Services Center Carpet Replacement Project - Authorize the purchase of Milliken Carpet and Installation/Site Work Services by piggybacking off Omnia Partners Contract Number 2020002150

RECOMMENDATION

 Authorize the Director of Purchasing to issue a purchase order in the amount of \$61,343.88 for the carpet replacement and installation/site work services utilizing the Omnia Partners Contract Number 2020002150.

BACKGROUND

The Police Services Center (PSC) was built in 1992 and serves as the community's facility for coordination of general law enforcement services, public safety programs, code enforcement and animal licensing. The PSC is staffed by both City of Santa Fe Springs and Whittier Police Department personnel. Flooring of the two-story facility is mostly comprised of carpet, with the exception of the bathrooms, janitorial closets, and a kitchenette where there is tile. The existing carpet was installed as part of the construction of the facility 30 years ago and has far exceeded its service life; in several areas it is damaged, frayed, and beyond repair. The proposed carpet being suggested for the facility is in the form of tiles which offer easy installation and repair, reduced maintenance, and increased longevity. Carpet was selected over other flooring options due to its acoustic qualities, health and safety benefits, and resilience to high foot traffic.

The Director of Purchasing requests approval to "piggyback" off a cooperative contract with Omnia Partners (Number 2020002150) for the purchasing and installation of the Police Services Center Carpet Repalcement Project.

FISCAL IMPACT

The FY 2021-22 budget adopted by the City Council included a total appropriation of \$75,000 under the Non-Recurring Fund Activity. Sufficient funding is available to complete funding for the carpet replacement project.

INFRASTRUCTURE IMPACT

This project will improve the aesthetics of the Police Services Center and replace the current carpet that has exceeded its service life.

Raymond R. Cruz City Manager

Attachments:

- 1. Contract Information
- 2. Milliken Carpet Sales Design and Quote

Report Submitted By: Noe Negrete / Date of Report: March 30, 2022

Director of Public Works

University of California (UC)

Contract # 2020002150

for

001225-May2019 University of California Systemwide Flooring RFP

with

Milliken Services, LLC

Effective: April 15, 2020

The following documents comprise the executed contract between the University of California and Milliken Services, LLC effective April 15, 2020:

- I. Vendor Contract and Signature Form
- II. Supplier's Response to the RFP, incorporated by reference



Purchasing Agreement 2020002150

As a result of Request for Proposal #001225-May2019 (University of California Systemwide Flooring), the Agreement to furnish certain goods and services described herein and in the documents referenced herein ("Goods and/or Services") is made by and between The Regents of the University of California, a California public corporation ("UC") on behalf of the University of California, and Milliken Services, LLC ("Supplier"). This Agreement is binding only if it is negotiated and executed by an authorized representative with the proper delegation of authority.

1. Statement of Work

Supplier agrees to perform the Services listed in the statement of work attached as Attachment A ("Statement of Work") and any other documents referenced in the Incorporated Documents section herein, at the prices set forth in the Statement of Work and any other documents referenced in the Incorporated Documents section herein. Unless otherwise provided in the Agreement, UC will not be obligated to purchase a minimum amount of Goods and/or Services from Supplier.

2. Term of Agreement/Termination

- A) The initial term of the Agreement will be from April 15th, 2020 through April 14th, 2025 (Initial Term) and is subject to earlier termination as provided below. UC may renew the Agreement for **Five (5)** successive One (1)-year periods (each, a Renewal Term), by providing Supplier with at least Thirty (30) calendar days' written notice before the end of the Initial Term or any Renewal Term.
- B) UC may terminate the Agreement for convenience by giving Supplier at least 30 calendar days' written notice.
- C) UC or Supplier may terminate the Agreement for cause by giving the other party at least **30** days' notice to cure a breach of the Agreement (Cure Period). If the breaching party fails to cure the breach within the Cure Period, the non-breaching party may immediately terminate the Agreement.

3. Purchase Order; Advance Payments

Unless otherwise provided in the Agreement, Supplier may not begin providing Goods and/or Services until UC approves a Purchase Order for the Goods and/or Services.

4. Pricing, Invoicing Method, and Settlement Method and Terms

- A. Pricing. Refer to Attachment B UC Price Schedule for Pricing.
 - i. <u>Price Increases</u> After the first twelve (12) months of the term, or longer term as negotiated between UC and the Supplier, of any resulting contract, the Supplier will have an opportunity to request price increases. Requests for price increases may only be made once a year, in writing, 60 days in advance of the contract anniversary date.
 - a. <u>Product Price Increases</u> Product price increases will be not exceed the lesser of 3% or the annual increase in the Product Price Index (PPI) for the corresponding commodity:
 - (1) Vinyl Flooring: Plastics Material and Resins Manufacturing (PCU325211325211)
 - (2) All Carpet Products: Carpet and Rug Mills: Carpets & Rugs (PCU3141103141100)
 - (3) Rubber and Linoleum: Plastics and Rubber Products Manufacturing (PCU326326)
 - (4) Wood Products: Other Millwork, Including Flooring (PCU321918321918)
 - b. Labor Price Increases Labor price increases will only be allowed under an increase in the

Department of Industrial Relations (DIR) Prevailing Wage Schedule, and will be capped at the corresponding percentage of any DIR increase.

c. <u>Freight</u> – Where applicable, Supplier agrees to maintain freight pricing, in either set rate or as a
percentage of spend, consistent with any increase or decrease in the PPI for <u>General Freight</u>
<u>Trucking</u>, <u>Long-Distance Truckload</u> (PCU484121484121)

B. <u>Invoicing Method</u>

Each UC Location will specify the Invoicing Method and Payment Options that will apply, taking into account the operational capabilities of Supplier and the UC Location. See UC's Procure to Pay Standards http://www.ucop.edu/procurement-services/files/Matrix%20for%20website.pdf for the options that will be considered. In the case of systemwide agreements, each UC Location will specify these terms in a Statement of Work or Purchase Order, as the case may be.]

C. Invoicing

Notwithstanding the provisions of Article 3 of the Terms and Conditions of Purchase, UC will not pay freight as all quoted material costs are freight inclusive.

All invoices must clearly indicate the following information:

Charges associated with California AB2398

California sales tax as a separate line item;

UC Purchase Order or Release Number;

Description, quantity, catalog number and manufacturer number of the item(s) ordered;

Net cost of each item;

Description, quantity, and pay rate of any services provided

Any pay/earned/dynamic discount;

Reference to original order number for all credit memos issued;

Supplier will submit invoices following the designated invoice method directly to UC Accounts Payable Departments at each UC Location, unless UC notifies the Supplier otherwise by amendment to the Agreement.

D. Settlement Method and Terms

Notwithstanding the provisions of Article 3 of the Terms and Conditions of Purchase, the Settlement Method and Terms will be as follows: **ACH Net60**

5. Notices

As provided in the UC Terms and Conditions of Purchase, notices may be given by email, which will be considered legal notice only if such communications include the following text in the Subject field: FORMAL LEGAL NOTICE – [insert, as the case may be, Supplier name or University of California]. If a physical format notice is required, it must be sent by overnight delivery or by certified mail with return receipt requested, at the addresses specified below.

To UC, regarding contract issues:

Name	Reynaldo Cano-Boza
Phone	510.987.9893
Email	Reynaldo.cano-boza@ucop.edu
Address	7835 Trade Street, Suite 100
	San Diego, CA 92121

To Supplier:

Name	Tamlin Antoine
Phone	202.480.6461
Email	Tamlin.antoine@milliken.com
Address	924 Milliken Road
	Spartanburg, SC 29303

6. Intellectual Property, Copyright and Patents

/ X / The Goods and/or Services do not involve Work Made for Hire

7. Patient Protection and Affordable Care Act (PPACA)

/X/ The Services do not involve temporary or supplementary staffing, and they are not subject to the PPACA warranties in the T&Cs.

8. Prevailing Wages

Work performed under this agreement is a public work subject to California Labor Code section 1771. Supplier, or sub-Supplier, must be registered with the DIR pursuant to Labor Code section 1725.5. Supplier is required to post the applicable prevailing wage rate determination and any job site notices as prescribed by the DIR. The work is subject to compliance monitoring and enforcement by the DIR and is subject to project reporting through the DIR.

9. Fair Wage/Fair Work

/_X_/ Supplier is not required to pay the UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) when providing the Services.

10. Restriction Relating to Consulting Services or Similar Contracts – Follow-on Contracts

Please note a Supplier that is awarded a consulting services or similar contract cannot later submit a bid or be considered for any work "required, suggested, or otherwise deemed appropriate" as the end product of the Services (see Public Contract Code Section 10515).

11. Insurance

Deliver the PDF version of the Certificate of Insurance to UC's Buyer, by email with the following text in the Subject field: CERTIFICATE OF INSURANCE – **Milliken Services.**

12. Cooperative Purchasing

Supplier agrees to extend pricing and Goods and/or Services to the California State University institutions (CSU) and the California Community Colleges (CCC) and public agencies nationwide (public and private schools, colleges and universities, cities, counties, non-profits, and all governmental entities) registered with OMNIA Partners under the terms of the Agreement. All contractual administration issues (e.g. terms and conditions, extensions, and renewals) will remain UC's responsibility. Operational issues, fiduciary responsibility, payment issues, performance issues and liabilities, and disputes

involving individual CSU or CCC campuses will be addressed, administered, and resolved by each CSU or CCC campus.

13. Records about Individuals

Records created pursuant to the Agreement that contain personal information about individuals (including statements made by or about individuals) may become subject to the California Information Practices Act of 1977, which includes a right of access by the subject individual. While ownership of confidential or personal information about individuals is subject to negotiated agreement between UC and Supplier, records will normally become UC's property, and subject to state law and UC policies governing privacy and access to files. When collecting the information, Supplier must inform the individual that the record is being made, and the purpose of the record. Use of recording devices in discussions with employees is permitted only as specified in the Statement of Work.

14. Incorporated Documents

This Agreement and its Incorporated Documents contain the entire agreement between the Parties, in order of the below precedent, concerning its subject matter and shall supersede all prior or other agreements, oral and written declarations of intent and other legal arrangements (whether binding or non-binding) made by the Parties in respect thereof.

- a. Purchase Agreement 2020002150
- b. UC Terms & Conditions of Purchase
- c. Attachment A Statement of Work
- d. UC Request for Proposal (#001225-MAY2019) University of California Systemwide Flooring (RFP)
- e. Attachment B University of California Price Schedule
- f. Attachment C Reporting Requirements
- g. Appendix Ecommerce

15. Entire Agreement

The Agreement and its Incorporated Documents contain the entire Agreement between the parties and supersede all prior written or oral agreements with respect to the subject matter herein.

This Agreement can only be signed by an authorized representative with the proper delegation of authority.

	Milliken Services, LLC		
	DocuSigned by:		
	Tamlin Intoine		
	, ,		
Director	Tamlin Antoine	Director	of Government Sales
•	(Printed Name, Title)		
	4/20/2020		
-	(Date)		
	Director	Docusigned by: Tamur Antoine Signature E08453 Particular Tamlin Antoine (Printed Name, Title) 4/20/2020	Docusigned by: Tamlin flutoine (Signature) EOB453 Printed Name, Title) 4/20/2020



ARTICLE 1 - GENERAL

The equipment, materials, or supplies ("Goods") and/or services ("Services") furnished by Supplier (together, the "Goods and Services") and covered by the UC Purchase Order ("PO") and/or other agreement (which, when combined with these Terms and Conditions and any other documents incorporated by reference, will constitute the "Agreement") are governed by the terms and conditions set forth herein. As used herein, the term "Supplier" includes Supplier and its sub-suppliers at any tier. As used herein, "UC" refers to The Regents of the University of California, a corporation described in California Constitution Art. IX, Sec. 9, on behalf of the UC Locations identified in the Agreement and/or the PO. UC and Supplier individually will be referred to as "Party" and collectively as "Parties." Any defined terms not defined in these Terms and Conditions of Purchase will have the meaning ascribed to such term in any of the other documents incorporated in and constituting the Agreement. No other terms or conditions will be binding upon the Parties unless accepted by them in writing. Written acceptance or shipment of all or any portion of the Goods, or the performance of all or any portion of the Services, covered by the Agreement, will constitute Supplier's unqualified acceptance of all of the Agreement's terms and conditions. The terms of any proposal referred to in the Agreement are included and made a part of the Agreement only to the extent the proposal specifies the Goods and/or Services ordered, the price therefor, and the delivery thereof, and then only to the extent that such terms are consistent with the terms and conditions of the Agreement.

ARTICLE 2 - TERM AND TERMINATION

- A. As applicable, the term of the Agreement ("Initial Term") will be stated in the Agreement. Following the Initial Term, the Agreement may be extended by written mutual agreement.
- B. UC's obligation to proceed is conditioned upon the appropriation of state, federal and other sources of funds not controlled by UC ("Funding"). UC will have the right to terminate the Agreement without damage, penalty, cost or further obligation in the event that through no action or inaction on the part of UC, the Funding is withdrawn.
- C. UC may, by written notice stating the extent and effective date thereof, terminate the Agreement for convenience in whole or in part, at any time with not less than the number of days' notice stated elsewhere in the Agreement. As specified in the termination notice, UC will pay Supplier as full compensation the pro rata Agreement price for performance through the later of the date that (i) UC provided Supplier with notice of termination or (ii) Supplier's provision of Goods and/or Services will terminate.
- D. UC may by written notice terminate the Agreement for Supplier's breach of the Agreement, in whole or in part, at any time, if Supplier refuses or fails to comply with the provisions of the Agreement, or so fails to make progress as to endanger performance and does not cure such failure within five (5) business days, or fails to supply the Goods and/or Services within the time specified or any written extension thereof. In such event, UC may purchase or otherwise secure Goods and/or Services and, except as otherwise provided herein, Supplier will be liable to UC for any excess costs UC incurs thereby.

ARTICLE 3 – PRICING, INVOICING METHOD, AND SETTLEMENT METHOD AND TERMS. Pricing is set forth in the Agreement or Purchase Order Number, and the amount UC is charged and responsible for shall not exceed the amount specified in the Agreement unless UC has given prior written approval. Unless otherwise agreed in writing by UC, Supplier will use the invoicing method and payment settlement method (and will extend the terms applicable to such settlement method) set forth in UC's Supplier Invoicing, Terms & Settlement Matrix. UC will pay Supplier, upon submission of acceptable invoices, for Goods and/or Services provided and accepted. Invoices must be itemized and reference the Agreement or Purchase Order number. UC will not pay shipping, packaging or handling expenses, unless specified in the Agreement or Purchase Order. Unless otherwise provided, freight is to be FOB destination. Any of Supplier's expenses that UC agrees to reimburse will be reimbursed under UC's Travel Policy, which may be found at https://policy.ucop.edu/doc/3420365. Where applicable, Supplier will pay all taxes imposed on Supplier in connection with its performance under the Agreement, including any federal, state and local income, sales, use, excise and other taxes or assessments. Notwithstanding any other provision to the contrary, UC will not be responsible for any fees, interest or surcharges Supplier wishes to impose.

ARTICLE 4 – INSPECTION. The Goods and/or Services furnished will be exactly as specified in the Agreement, free from all defects in Supplier's performance, design, workmanship and materials, and, except as otherwise provided in the Agreement, will be subject to inspection and test by UC at all times and places. If, prior to final acceptance, any Goods and/or Services furnished are found to be incomplete, or not as specified, UC may reject them, require Supplier to correct them at the sole cost of Supplier, or require provision of such Goods and/or Services at a reduction in price that is equitable under the circumstances. If Supplier is unable or refuses to correct such deficiencies within a time UC deems reasonable, UC may terminate the Agreement in whole or in part. Supplier will bear all risks as to



rejected Goods and/or Services and, in addition to any costs for which Supplier may become liable to UC under other provisions of the Agreement, will reimburse UC for all transportation costs, other related costs incurred, or payments to Supplier in accordance with the terms of the Agreement for unaccepted Goods and/or Services and materials and supplies incidental thereto. Notwithstanding final acceptance and payment, Supplier will be liable for latent defects, fraud or such gross mistakes as amount to fraud.

ARTICLE 5 - ASSIGNED PERSONNEL; CHARACTER OF SERVICES

Supplier will provide the Services as an independent contractor and furnish all equipment, personnel and materiel sufficient to provide the Services expeditiously and efficiently, during as many hours per shift and shifts per week, and at such locations as UC may so require. Supplier will devote only its best-qualified personnel to work under the Agreement. Should UC inform Supplier that anyone providing the Services is not working to this standard, Supplier will immediately remove such personnel from providing Services and he or she will not again, without UC's written permission, be assigned to provide Services. At no time will Supplier or Supplier's employees, sub-suppliers, agents, or assigns be considered employees of UC for any purpose, including but not limited to workers' compensation provisions. Supplier shall not have the power nor right to bind or obligate UC, and Supplier shall not hold itself out as having such authority. Supplier shall be responsible to UC for all Services performed by Supplier's employees, agents and subcontractors, including being responsible for ensuring payment of all unemployment, social security, payroll, contributions and other taxes with respect to such employees, agents and subcontractors.

ARTICLE 6 - WARRANTIES

In addition to the warranties set forth in Articles 11, 12, 17, 23, 24, 25 and 26 herein, Supplier makes the following warranties. Supplier acknowledges that failure to comply with any of the warranties in the Agreement will constitute a material breach of the Agreement and UC will have the right to terminate the Agreement without damage, penalty, cost or further obligation.

- A. General Warranties. Supplier represents, warrants and covenants that: (i) Supplier is free to enter into this Agreement and that Supplier is not, and will not become, during the Term, subject to any restrictions that might restrict or prohibit Supplier from performing the Services or providing the Goods ordered hereunder; (ii) Supplier will comply with all applicable laws, rules and regulations in performing Supplier's obligations hereunder; (iii) the Goods and/or Services shall be rendered with promptness and diligence and shall be executed in a workmanlike manner by competent personnel, in accordance with the prevailing industry standards; and if UC Appendix Data Security is NOT included:(iv) Supplier has developed a business interruption and disaster recovery program and is executing such program to assess and reduce the extent to which Supplier's hardware, software and embedded systems may be susceptible to errors or failures in various crisis (or force majeure) situations; (v) if Supplier uses electronic systems for creating, modifying, maintaining, archiving, retrieving or transmitting any records, including test results that are required by, or subject to inspection by an applicable regulatory authority, then Supplier represents and warrants that Supplier's systems for electronic records are in compliance; and (vi) Supplier agrees that the Goods and/or Services furnished under the Agreement will be covered by the most favorable warranties Supplier gives to any customer for the same or substantially similar goods or services, or such other more favorable warranties as specified in the Agreement. The rights and remedies so provided are in addition to and do not limit any rights afforded to UC by any other article of the Agreement.
- B. <u>Permits and Licenses</u>. Supplier agrees to procure all necessary permits or licenses and abide by all applicable laws, regulations and ordinances of the United States and of the state, territory and political subdivision or any other country in which the Goods and/or Services are provided.
- C. <u>Federal and State Water and Air Pollution Laws</u>. Where applicable, Supplier warrants that it complies with the requirements in UC Business and Finance Bulletin BUS-56 (Materiel Management; Purchases from Entities Violating State or Federal Water or Air Pollution Laws). Consistent with California Government Code 4477, these requirements do not permit UC to contract with entities in violation of Federal or State water or air pollution laws.
- D. <u>Web Accessibility Requirements</u>. As applicable to the Supplies and/or Services being provided under the Agreement, Supplier warrants that:
 - It complies with California and federal disabilities laws and regulations; The Goods and/or Services will conform to the accessibility requirements of WCAG 2.0AA.
 - 2. Supplier agrees to promptly respond to and resolve any complaint regarding accessibility of its Goods and/or Services;
 - 3. Within six (6) months of the signing of this Agreement, Supplier will complete the testing of the Goods and Services for level AA conformance with Web Content Accessibility Guidelines (WCAG) 2.0 and report those findings to the University. Provide the



source to whom the conformance should be submitted. In the event that testing results in findings of non-compliance, Supplier will provide a remediation plan to the University within two (2) months of completion of testing, and will use reasonable efforts to adhere to any remediation timelines provided to the University; and

- 4. The University and its Authorized User may abridge, modify, translate or create any derivative work based on the Goods and Services when necessary to allow Authorized Users with disabilities to access the Goods and Services.
- E. General Accessibility Requirements. Supplier warrants that:
 - 1. It will comply with California and federal disability laws and regulations;
 - Supplier will promptly respond to remediate to any identified accessibility defects in the Goods and Services to conform to WCAG 2.0 AA; and
 - Supplier agrees to promptly respond to and use reasonable efforts to resolve and remediate any complaint regarding accessibility of its Goods and/or Services.
- F. <u>Warranty of Quiet Enjoyment</u>. Supplier warrants that Supplier has the right of Quiet Enjoyment in, and conveys the right of Quiet Enjoyment to UC for UC's use of, any and all intellectual property that will be needed for Supplier's provision, and UC's use of, the Goods and/or Services provided by Supplier under the Agreement.
- G. California Child Abuse and Neglect Reporting Act ("CANRA"). Where applicable, Supplier warrants that it complies with CANRA.
- H. <u>Debarment and Suspension</u>. Supplier warrants that it is not presently debarred, suspended, proposed for debarment, or declared ineligible for award of federal contracts or participation in federal assistance programs or activities.
- I. <u>UC Trademark Licensing Code of Conduct</u>. If the Goods will bear UC's name (including UC campus names, abbreviations of these names, UC logos, UC mascots, or UC seals) or other trademarks owned by UC, Supplier warrants that it holds a valid license from UC and complies with the Trademark Licensing Code of Conduct policy, available at http://policy.ucop.edu/doc/3000130/TrademarkLicensing.
- J. Outsourcing (Public Contract Code section 12147) Compliance. Supplier warrants that if the Agreement will displace UC employees, no funds paid under the Agreement will be used to train workers who are located outside of the United States, or plan to relocate outside the United States as part of the Agreement. Additionally, Supplier warrants that no work will be performed under the Agreement with workers outside the United States, except as described in Supplier's bid. If Supplier or its subsupplier performs the Agreement with workers outside the United States during the life of the Agreement and Supplier did not describe such work in its bid, Supplier acknowledges and agrees that a) UC may terminate the Agreement without further obligation for noncompliance, and b) Supplier will forfeit to UC the amount UC paid for the percentage of work that was performed with workers outside the United States and not described in Supplier's bid.

ARTICLE 7 - INTELLECTUAL PROPERTY, COPYRIGHT AND PATENTS

- A. Goods and/or Services Involving Work Made for Hire.
 - 1. Unless UC indicates that the Goods and/or Services do not involve work made for hire, Supplier acknowledges and agrees that any deliverables provided to UC by Supplier in the performance of the Agreement, and any intellectual property rights therein, (hereinafter the "Deliverables") will be owned by UC. The Deliverables will be considered "work made for hire" under U.S. copyright law and all right, title, and interest to and in such Deliverables including, but not limited to, any and all copyrights or trademarks, will be owned by UC. In the event that it is determined that UC is not the owner of such Deliverables under the "work made for hire" doctrine of U.S. copyright law, Supplier hereby irrevocably assigns to UC all right, title, and interest to and in such Deliverables and any copyrights or trademarks thereto.
 - 2. The Deliverables must be new and original. Supplier must not use any pre-existing copyrightable or trademarked images, writings, or other proprietary materials (hereinafter "Pre-Existing Materials") in the Deliverables without UC's prior written permission. In the event that Supplier uses any Pre-Existing Materials in the Deliverables in which Supplier has an ownership interest, UC is hereby granted, and will have, a non-exclusive, royalty-free, irrevocable, perpetual, paid-up, worldwide license (with the right to sublicense) to make, have made, copy, modify, make derivative works of, use, perform, display publicly, sell, and otherwise distribute such Pre-Existing Materials in connection with the Deliverables.
 - 3. Whenever any invention or discovery is made or conceived by Supplier in the course of or in connection with the Agreement, Supplier will promptly furnish UC with complete information with respect thereto and UC will have the sole power to determine whether and where a patent application will be filed and to determine the disposition of title to and all rights under any application or patent that may result.
 - 4. Supplier is specifically subject to an obligation to, and hereby does, assign all right, title and interest in any such intellectual property rights to UC as well as all right, title and interest in tangible research products embodying any such inventions whether



the inventions are patentable or not. Supplier agrees to promptly execute any additional documents or forms that UC may require in order to effectuate such assignment.

B. Goods and/or Services Not Involving Work Made for Hire.

- If the Goods and/or Services do not involve work made for hire, and in the event that Supplier uses any Pre-Existing Materials in
 the Deliverables in which Supplier has an ownership interest, UC is hereby granted, and will have, a non-exclusive, royalty-free,
 irrevocable, perpetual, paid-up, worldwide license (with the right to sublicense) to make, have made, copy, modify, make
 derivative works of, use, perform, display publicly, sell, and otherwise distribute such Pre-Existing Materials in connection with
 the Deliverables.
- The Deliverables must be new and original. Supplier must not use any Pre-Existing Materials in the Deliverables without UC's prior written permission.
- 3. Whenever any invention or discovery is made or conceived by Supplier in the course of or in connection with the Agreement, Supplier will promptly furnish UC complete information with respect thereto and UC will have the sole power to determine whether and where a patent application will be filed and to determine the disposition of title to and all rights under any application or patent that may result.
- 4. Supplier is specifically subject to an obligation to, and hereby does, assign all right, title and interest in any such intellectual property rights to UC as well as all right, title and interest in tangible research products embodying any such inventions whether the inventions are patentable or not. Supplier agrees to promptly execute any additional documents or forms that UC may require in order to effectuate such assignment.
- C. General. Should the Goods and/or Services become, or in Supplier's opinion be likely to become, the subject of a claim of infringement of any patent, copyright, trademark, trade name, trade secret, or other proprietary or contractual right of any third party, Supplier will provide written notice to UC of the circumstances giving rise to such claim or likely claim. In the event that UC receives notice of a claim of infringement or is made a party to or is threatened with being made a party to any claim of infringement related to the Goods and/or Services, UC will provide Supplier with notice of such claim or threat. Following receipt of such notice, Supplier will either (at Supplier's sole election) (i) procure for UC the right to continue to use the affected portion of the Goods and/or Services, or (ii) replace or otherwise modify the affected portion of the Goods and/or Services to make them non-infringing, or obtain a reasonable substitute product for the affected portion of the Goods and/or Services, provided that any replacement, modification or substitution under this paragraph does not effect a material change in the Goods and/or Services' functionality. If none of the foregoing options is reasonably acceptable to UC, UC will have the right to terminate the Agreement without damage, penalty, cost or further obligation.

ARTICLE 8 - INDEMNITY

To the fullest extent permitted by law, Supplier will defend, indemnify, and hold harmless UC, its officers, employees, and agents, from and against all losses, expenses (including, without limitation, reasonable attorneys' fees and costs), damages, and liabilities of any kind resulting from or arising out of the Agreement, including the performance hereunder of Supplier, its officers, employees, agents, sub-suppliers, or anyone directly or indirectly employed by Supplier, or any person or persons under Supplier's direction and control, provided such losses, expenses, damages and liabilities are due or claimed to be due to the acts or omissions of Supplier, its officers, employees, agents, sub-suppliers, or anyone directly or indirectly employed by Supplier, or any person or persons under Supplier's direction and control. UC agrees to provide Supplier with prompt notice of any such claim or action and to permit Supplier to defend any claim or action, and that UC will cooperate fully in such defense. UC retains the right to participate in the defense against any such claim or action, and the right to consent to any settlement, which consent will not unreasonably be withheld.

ARTICLE 9 – INSURANCE

Supplier, at its sole cost and expense, will insure its activities in connection with providing the Goods and/or Services and obtain, keep in force, and maintain the following insurance with the minimum limits set forth below, unless UC specifies otherwise:

- A. Commercial Form General Liability Insurance (contractual liability included) with limits as follows:
 - 1. Each Occurrence \$ 1,000,000
 - 2. Products/Completed Operations Aggregate \$ 2,000,000



- 3. Personal and Advertising Injury \$ 1,000,000
- 4. General Aggregate \$ 2,000,000
- B. Business Automobile Liability Insurance for owned, scheduled, non-owned, or hired automobiles with a combined single limit of not less than one million dollars (\$1,000,000) per occurrence. (Required only if Supplier drives on UC premises or transports UC employees, officers, invitees, or agents in the course of supplying the Goods and/or Services to UC.)
- C. If applicable, Professional Liability Insurance with a limit of two million dollars (\$2,000,000) per occurrence or claim with an aggregate of not less than two million dollars (\$2,000,000). If this insurance is written on a claims-made form, it will continue for three years following termination of the Agreement. The insurance will have a retroactive date of placement prior to or coinciding with the effective date of the Agreement.
- D. Workers' Compensation as required by applicable state law and Employer's Liability with limits of one million dollars (\$1,000,000) per occurrence. Workers' Compensation as required by applicable state law and Employer's Liability with limits of one million dollars (\$1,000,000) per occurrence.
- E. If applicable, Supplier Fidelity Bond or Crime coverage for the dishonest acts of its employees in a minimum amount of one million dollars (\$1,000,000). Supplier will endorse such policy to include a "Regents of the University of California Coverage" or "Joint Payee Coverage" endorsement. UC and, if so requested, UC's officers, employees, agents and sub-suppliers will be named as "Loss Payee, as Their Interest May Appear" in such Fidelity Bond.
- F. Additional other insurance in such amounts as may be reasonably required by UC against other insurable risks relating to performance. If the above insurance is written on a claims-made form, it will continue for three years following termination of the Agreement. The insurance will have a retroactive date of placement prior to or coinciding with the effective date of the Agreement. If the above insurance coverage is modified, changed or cancelled, Supplier will provide UC with not less than fifteen (15) days' advance written notice of such modification, change, or cancellation, and will promptly obtain replacement coverage that complies with this Article.
- G. The coverages referred to under A and B of this Article must include UC as an additional insured. It is understood that the coverage and limits referred to under A, B and C of this Article will not in any way limit Supplier's liability. Supplier will furnish UC with certificates of insurance (and the relevant endorsement pages) evidencing compliance with all requirements prior to commencing work under the Agreement. Such certificates will:
 - Indicate that The Regents of the University of California has been endorsed as an additional insured for the coverage referred to under A and B of this Article. This provision will only apply in proportion to and to the extent of the negligent acts or omissions of Supplier, its officers, agents, or employees.
 - 2. Include a provision that the coverage will be primary and will not participate with or be excess over any valid and collectible insurance or program of self-insurance carried or maintained by UC.

ARTICLE 10 - USE OF UC NAME AND TRADEMARKS

Supplier will not use the UC name, abbreviation of the UC name, trade names and/or trademarks (i.e., logos and seals) or any derivation thereof, in any form or manner in advertisements, reports, or other information released to the public, or place the UC name, abbreviations, trade names and/or trademarks or any derivation thereof on any consumer goods, products, or services for sale or distribution to the public, without UC's prior written approval. Supplier agrees to comply at all times with California Education Code Section 92000.

ARTICLE 11 - FEDERAL FUNDS

Supplier who supplies Goods and/or Services certifies and represents its compliance with the following clauses, as applicable. Supplier shall promptly notify UC of any change of status with regard to these certifications and representations. These certifications and representations are material statements upon which UC will rely.

A. For commercial transactions involving funds on a federal contract (federal awards governed by the FAR), the following provisions apply, as applicable:

- i. FAR 52.203-13, Contractor Code of Business Ethics and Conduct;
- ii. FAR 52.203-17, Contractor Employee Whistleblower Rights and Requirement to Inform Employees of Whistleblower Rights;
- iii. FAR 52.203-19, Prohibition on Requiring Certain Internal Confidentiality Agreements or Statements;
- iv. FAR 52.219-8, Utilization of Small Business Concerns;
- v. FAR 52.222-17, Non-displacement of Qualified Workers;



- vi. FAR 52.222-21, Prohibition of Segregated Facilities;
- vii. FAR 52.222-26, Equal Opportunity;
- viii. FAR 52.222-35, Equal Opportunity for Veterans;
- ix. FAR 52.222-36, Equal Opportunity for Workers with Disabilities;
- x. FAR 52.222-37, Employment Reports on Veterans;
- xi. FAR 52.222-40, Notification of Employee Rights Under the National Labor Relations Act;
- xii. FAR 52.222-41, Service Contract Labor Standards;
- xiii. FAR 52.222-50, Combating Trafficking in Persons;
- xiv. FAR 52.222-51, Exemption from Application of the Service Contract Labor Standards to Contracts for Maintenance, Calibration, or Repair of Certain Equipment Requirements;
- xv. FAR 52.222-53, Exemption from Application of the Service Contract Labor Standards to Contracts for Certain Services Requirements;
- xvi. FAR 52.222-54, Employment Eligibility Verification;
- xvii. FAR 52.222-55, Minimum Wages Under Executive Order 13658;
- xviii. FAR 52.222-62, Paid Sick Leave under Executive Order 13706;
- xix. FAR 52.224-3, Privacy Training;
- xx. FAR 52.226-6, Promoting Excess Food Donation to Nonprofit Organizations; and
- xxi. FAR 52.247-64, Preference for Privately Owned U.S.-Flag Commercial Vessels.
- B. For non-commercial transactions involving funds on a federal contract, the UC Appendix titled 'Federal Government Contracts Special terms and Conditions (Non-Commercial Items or Services)' and located at www.ucop.edu/procurement-services/policies-forms/index.html is hereby incorporated herein by this reference.
- C. For transactions involving funds on a federal grant or cooperative agreement (federal awards governed by eCFR Title 2, Subtitle A, Chapter II, Part 200) the following provisions apply, as applicable:
 - i. Rights to Inventions. If Supplier is a small business firm or nonprofit organization, and is providing experimental, development, or research work under this transaction, Supplier must comply with the requirements of 3 CFR Part 401, "Rights to Inventions Made by nonprofit Organizations and Small Business Firms Under Government Grants, Contracts, and Cooperative Agreements".
 - ii. Clean Air Act. Supplier agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).
 - iii. Byrd Anti-Lobbying. Supplier certifies that it will not, and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352.
 - iv. Procurement of Recovered Materials. If Supplier is a state agency or agency of a political subdivision of a state, then Supplier must comply with section 6002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act.
- D. In these provisions, the term "contractor" as used therein will refer to Supplier, and the terms "Government" or "Contracting Officer" as used therein will refer to UC. Where a purchase of items is for fulfillment of a specific U.S. Government prime or subcontract, additional information and/or terms and conditions may be included in an attached supplement. By submitting an invoice to UC, Supplier is representing to UC that, at the time of submission:
 - i. Neither Supplier nor its principals are presently debarred, suspended, or proposed for debarment by the U.S. government (see FAR 52.209-6);
 - ii. Supplier has filed all compliance reports required by the Equal Opportunity clause (see FAR 52.222-22); and
 - iii. Any Supplier representations to UC about U.S. Small Business Administration or state and local classifications, including but not limited to size standards, ownership, and control, are accurate and complete.
 - iv. Byrd Anti-Lobbying. Supplier certifies that it will not, and has not used Federal appropriated funds to pay any person or organization for influencing or attempting to influence an officer or employee of any agency, a member of Congress, officer or



employee of Congress, or an employee of a member of Congress in connection with obtaining any Federal contract, grant or any other award covered by 31 U.S.C. 1352.

ARTICLE 12 - EQUAL OPPORTUNITY AFFIRMATIVE ACTION

Supplier will abide by the requirements set forth in Executive Orders 11246 and 11375. Where applicable, Supplier will comply with 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a), incorporated by reference with this statement: "This contractor and subcontractor shall abide by the requirements of 41 CFR §§ 60-1.4(a), 60-300.5(a) and 60-741.5(a). These regulations prohibit discrimination against qualified individuals based on their status as protected veterans or individuals with disabilities, and prohibit discrimination against all individuals based on their race, color, religion, sex, sexual orientation, gender identity, or national origin. Moreover, these regulations require that covered prime contractors and subcontractors take affirmative action to employ and advance in employment individuals without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, protected veteran status or disability." With respect to activities occurring in the State of California, Supplier agrees to adhere to the California Fair Employment and Housing Act. Supplier will provide UC on request a breakdown of its labor force by groups as specified by UC, and will discuss with UC its policies and practices relating to its affirmative action programs. Supplier will not maintain or provide facilities for employees at any establishment under its control that are segregated on a basis prohibited by federal law. Separate or single-user restrooms and necessary dressing or sleeping areas must be provided, however, to ensure privacy.

ARTICLE 13 - LIENS

Supplier agrees that upon UC's request, Supplier will submit a sworn statement setting forth the work performed or material furnished by sub-suppliers and material men, and the amount due and to become due to each, and that before the final payment called for under the Agreement, will upon UC's request submit to UC a complete set of vouchers showing what payments have been made for such work performed or material furnished. Supplier will promptly notify UC in writing, of any claims, demands, causes of action, liens or suits brought to its attention that arise out of the Agreement. UC will not make final payment until Supplier, if required, delivers to UC a complete release of all liens arising out of the Agreement, or receipts in full in lieu thereof, as UC may require, and if required in either case, an affidavit that as far as it has knowledge or information, the receipts include all the labor and materials for which a lien could be filed; but Supplier may, if any sub-supplier refuses to furnish a release or receipt in full, furnish a bond satisfactory to UC to indemnify it against any claim by lien or otherwise. If any lien or claim remains unsatisfied after all payments are made, Supplier will refund to UC all monies that UC may be compelled to pay in discharging such lien or claim, including all costs and reasonable attorneys' fees.

ARTICLE 14 - PREMISES WHERE SERVICES ARE PROVIDED

- A. <u>Cleaning Up.</u> Supplier will at all times keep UC premises where the Services are performed and adjoining premises free from accumulations of waste material or rubbish caused by its employees or work of any of its sub-suppliers, and, at the completion of the Services; will remove all rubbish from and about the premises and all its tools, scaffolding, and surplus materials, and will leave the premises "broom clean" or its equivalent, unless more exactly specified. In case of dispute between Supplier and its sub-suppliers as to responsibility for the removal of the rubbish, or if it is not promptly removed, UC may remove the rubbish and charge the cost to Supplier.
- B. Environmental, Safety, Health and Fire Protection. Supplier will take all reasonable precautions in providing the Goods and Services to protect the health and safety of UC employees and members of the public and to minimize danger from all hazards to life and property, and will comply with all applicable environmental protection, health, safety, and fire protection regulations and requirements (including reporting requirements). In the event that Supplier fails to comply with such regulations and requirements, UC may, without prejudice to any other legal or contractual rights of UC, issue an order stopping all or any part of the provision of the Goods and/or Services; thereafter a start order for resumption of providing the Goods and/or Services may be issued at UC's discretion. Supplier will not be entitled to make a claim for extension of time or for compensation or damages by reason of or in connection with such stoppage. Supplier will have sole responsibility for the safety of all persons employed by Supplier and its sub-suppliers on UC premises, or any other person who enters upon UC premises for reasons relating to the Agreement. Supplier will at all times maintain good order among its employees and all other persons who come onto UC's premises at Supplier's request and will not engage any unfit or unskilled person to provide the Goods and/or Services. Supplier will confine its employees and all other persons who come onto UC's premises at Supplier's request or for reasons relating to the Agreement and its equipment to that portion of UC's premises where the Services are to be provided or to roads leading to and from such work sites, and to any other area which UC may permit



Supplier to use. Supplier will take all reasonable measures and precautions at all times to prevent injuries to or the death of any of its employees or any other person who enters upon UC premises at Supplier's request. Such measures and precautions will include, but will not be limited to, all safeguards and warnings necessary to protect workers and others against any conditions on the premises that could be dangerous and to prevent accidents of any kind whenever the Goods and/or Services are being provided in proximity to any moving or operating machinery, equipment or facilities, whether such machinery, equipment or facilities are the property of or are being operated by, Supplier, its sub-suppliers, UC or other persons. To the extent compliance is required, Supplier will comply with all relevant UC safety rules and regulations when on UC premises.

C. <u>Tobacco-free Campus</u>. UC is a tobacco-free institution. Use of cigarettes, cigars, oral tobacco, electronic cigarettes and all other tobacco products is prohibited on all UC owned or leased sites.

ARTICLE 15 - LIABILITY FOR UC - FURNISHED PROPERTY

Supplier assumes complete liability for any materials UC furnishes to Supplier in connection with the Agreement and Supplier agrees to pay for any UC materials Supplier damages or otherwise is not able to account for to UC's satisfaction. UC furnishing to Supplier any materials in connection with the Agreement will not, unless otherwise expressly provided in writing by UC, be construed to vest title thereto in Supplier.

ARTICLE 16 - COOPERATION

Supplier and its sub-suppliers, if any, will cooperate with UC and other suppliers and will so provide the Services that other cooperating suppliers will not be hindered, delayed or interfered with in the progress of their work, and so that all of such work will be a finished and complete job of its kind.

ARTICLE 17 - ADDITIONAL TERMS APPLICABLE TO THE FURNISHING OF GOODS

The terms in this Article have special application to the furnishing of Goods:

- A. <u>Price Decreases</u>. Supplier agrees immediately to notify UC of any price decreases from its suppliers, and to pass through to UC any price decreases.
- B. <u>Declared Valuation of Shipments</u>. Except as otherwise provided in the Agreement, all shipments by Supplier under the Agreement for UC's account will be made at the maximum declared value applicable to the lowest transportation rate or classification and the bill of lading will so note.
- C. <u>Title</u>. Title to the Goods purchased under the Agreement will pass directly from Supplier to UC at the f.o.b. point shown, or as otherwise specified in the Agreement, subject to UC's right to reject upon inspection.
- D. Changes. Notwithstanding the terms in Article 34, Amendments, UC may make changes within the general scope of the Agreement in drawings and specifications for specially manufactured Goods, place of delivery, method of shipment or packing of the Agreement by giving notice to Supplier and subsequently confirming such changes in writing. If such changes affect the cost of or the time required for performance of the Agreement, UC and Supplier will agree upon an equitable adjustment in the price and/or delivery terms. Supplier may not make changes without UC's written approval. Any claim of Supplier for an adjustment under the Agreement must be made in writing within thirty (30) days from the date Supplier receives notice of such change unless UC waives this condition in writing. Nothing in the Agreement will excuse Supplier from proceeding with performance of the Agreement as changed hereunder. Supplier may not alter or misbrand, within the meaning of the applicable Federal and State laws, the Goods furnished.
- E. <u>Forced, Convict and Indentured Labor</u>. Supplier warrants that no foreign-made Goods furnished to UC pursuant to the Agreement will be produced in whole or in part by forced labor, convict labor, or indentured labor under penal sanction. If UC determines that Supplier knew or should have known that it was breaching this warranty, UC may, in addition to terminating the Agreement, remove Supplier from consideration for UC contracts for a period not to exceed one year. This warranty is in addition to any applicable warranties in Articles 6 and 11.
- F. Export Control. If any of the Goods is export-controlled under the International Traffic in Arms Regulations (22 CFR §§ 120-130), the United States Munitions List (22 CFR § 121.1), or Export Administration Regulations (15 CFR §§ 730-774) 500 or 600 series, or controlled on a military strategic goods list, Supplier agrees to provide UC (the contact listed on the Purchase Order) with written notification that identifies the export-controlled Goods and such Goods' export classification.



ARTICLE 18 - CONFLICT OF INTEREST

Supplier affirms that, to the best of Supplier's knowledge, no UC employee who has participated in UC's decision-making concerning the Agreement has an "economic interest" in the Agreement or Supplier. A UC employee's "economic interest" means:

- A. An investment worth \$2,000 or more in Supplier or its affiliate;
- B. A position as director, officer, partner, trustee, employee or manager of Supplier or its affiliate;
- C. Receipt during the past 12 months of \$500 in income or \$440 in gifts from Supplier or its affiliate; or
- D. A personal financial benefit from the Agreement in the amount of \$250 or more.

In the event of a change in these economic interests, Supplier will provide written notice to UC within thirty (30) days after such change, noting such changes. Supplier will not be in a reporting relationship to a UC employee who is a near relative, nor will a near relative be in a decision making position with respect to Supplier.

ARTICLE 19 – AUDIT REQUIREMENTS

The Agreement, and any pertinent records involving transactions relating to this Agreement, is subject to the examination and audit of the Auditor General of the State of California or Comptroller General of the United States or designated Federal authority for a period of up to five (5) years after final payment under the Agreement. UC, and if the underlying grant, cooperative agreement or federal contract so provides, the other contracting Party or grantor (and if that be the United States or an instrumentality thereof, then the Comptroller General of the United States) will have access to and the right to examine Supplier's pertinent books, documents, papers, and records involving transactions and work related to the Agreement until the expiration of five (5) years after final payment under the Agreement. The examination and audit will be confined to those matters connected with the performance of the Agreement, including the costs of administering the Agreement.

ARTICLE 20 - PROHIBITION ON UNAUTHORIZED USE OR DISCLOSURE OF CONFIDENTIAL INFORMATION

Supplier agrees to hold UC's Confidential Information, and any information derived therefrom, in strict confidence. Confidential Information shall be defined as any information disclosed by UC to Supplier for the purposes of providing the Good and/or Services which is (i) marked as "Confidential" at the time of disclosure; (ii) disclosed orally, identified at the time of such oral disclosure as confidential, and reduced to writing as "Confidential" within thirty (30) days of such oral disclosure; and (iii) if not marked as "Confidential," information that would be considered by a reasonable person in the relevant field to be confidential given its content and the circumstances of its disclosure. Confidential Information will not include information that: (i) Supplier can demonstrate by written records was known to Supplier prior to the effective date of the Agreement; (ii) is currently in, or in the future enters, the public domain other than through a breach of the Agreement or through other acts or omissions of Supplier; (iii) is obtained lawfully from a third party; or (iv) is disclosed under the California Public Records Act or legal process.

Supplier will not access, use or disclose Confidential Information other than to carry out the purposes for which UC disclosed the Confidential Information to Supplier, except as permitted or required by applicable law, or as otherwise authorized in writing by UC prior to the disclosure. Supplier shall have the limited right to disclose UC's Confidential Information to Supplier's employees provided that: (i) Supplier shall disclose only such UC's Confidential Information as is necessary for the Supplier to perform its obligations under this Agreement; (ii) such employees have been informed of the confidential nature of such information; and (iii) such employees have agreed in writing to be bound by confidentiality obligations at least as stringent as those set forth in this Agreement. Supplier shall be liable for any breach of this Agreement by its employees. For avoidance of doubt, this provision prohibits Supplier from using for its own benefit Confidential Information and any information derived therefrom. If Supplier is required by a court of competent jurisdiction or an administrative body to disclose Confidential Information, Supplier will notify UC in writing immediately upon receiving notice of such requirement and prior to any such disclosure (unless Supplier is prohibited by law from doing so), to give UC an opportunity to oppose or otherwise respond to such disclosure. To the extent Supplier is still required to make such a disclosure, Supplier will give UC prompt written notice of such event and will furnish only that portion that is legally required and will exercise all reasonable efforts to obtain reliable assurance that confidential treatment will be afforded to the Confidential Information. Supplier's transmission, transportation or storage of Confidential Information outside the United States, or access of Confidential Information from outside the United States, is prohibited except with prior written authorization by UC. UC's Appendix - Data Security, Appendix - HIPAA Business Associate, and/or Appendix -General Data Protection Regulation will control in the event that one or both appendices is incorporated into the Agreement and conflicts with the provisions of this Article.



Supplier acknowledges that remedies at law would be inadequate to protect UC against any actual or threatened breach of this Section by Supplier, and, without prejudice to any other rights and remedies otherwise available to UC, Supplier agrees to the granting of injunctive relief in UC's favor without proof of actual damages.

ARTICLE 21 – UC WHISTLEBLOWER POLICY

UC is committed to conducting its affairs in compliance with the law, and has established a process for reporting and investigating suspected improper governmental activities. Please visit http://www.ucop.edu/uc-whistleblower/ for more information.

ARTICLE 22 – SUSTAINABLE PROCUREMENT GUIDELINES

Supplier will conduct business using environmentally, socially, and economically sustainable products and services (defined as products and services with a lesser or reduced effect on human health and the environment, and which generate benefits to the University as well as to society and the economy, while remaining within the carrying capacity of the environment), to the maximum possible extent consistent with the Agreement, and with the University of California Sustainable Practices Policy (https://policy.ucop.edu/doc/3100155) and the University of California Sustainable Procurement Guidelines:

(https://www.ucop.edu/procurement-services/ files/sustainableprocurementguidelines.pdf).

In accordance with the University of California Sustainable Practices Policy, Supplier will adhere to the following requirements and standards, as applicable. Supplier acknowledges that failure to comply with any of the sustainability standards and requirements in the Agreement will constitute a material breach of the Agreement and UC will have the right to terminate the Agreement without damage, penalty, cost or further obligation.

- A. <u>Sustainability Marketing Standards</u>. Supplier sustainability related claims, where applicable, must meet University of California recognized certifications and standards set forth in the UC Sustainable Procurement Guidelines and/or meet the standards of Federal Trade Commission's (FTC) Green Guides.
- B. <u>Electronic Transfer of Supplier Information</u>. Suppliers, when interacting with the University, shall be prohibited from providing hard copies of presentations, marketing material, or other informational materials. Suppliers will be required to present all information in electronic format that is easily transferable to University staff. Materials may be provided in hard copy or physical format if specifically required or requested by a UC representative.
- C. <u>Packaging Requirements</u>. All packaging must be compliant with the Toxics in Packaging Prevention Act (AB 455) and must meet all additional standards and requirements set forth in the UC Sustainable Practices Policy. In addition, the University requires that all packaging meet at least one of the criteria listed below:
 - a. Uses bulk packaging;
 - b. Uses reusable packaging (e.g. totes reused by delivery service for next delivery);
 - c. Uses innovative packaging that reduces the weight of packaging, reduces packaging waste, or utilizes packaging that is a component of the product;
 - d. Maximizes recycled content and/or meets or exceeds the minimum post-consumer content level for packaging in the U.S. Environmental Protection Agency Comprehensive Procurement Guidelines;
 - e. Uses locally recyclable or certified compostable material.
- D. <u>Expanded Polystyrene (EPS) Ban</u>. No EPS shall be used in foodservice facilities for takeaway containers. By 2020, the University will be prohibited from procuring Goods containing, or that are provided in packaging containing, Expanded Polystyrene (EPS) other than that utilized for laboratory supply or medical packaging and products where no functional alternatives exist.
- E. <u>E-Waste Recycling Requirements</u>. All recyclers of University of California electronic equipment must be e-Steward certified by the Basel Action Network (BAN) or R2 Standard certified.



<u>Hosted and Punch-out Catalog Requirements</u>. Suppliers enabled with eProcurement hosted catalog functionality must clearly identify products with UC-recognized certifications, as defined by the UC Sustainable Procurement Guidelines, in both hosted and punchout catalog e-procurement environments.

ARTICLE 23 - PATIENT PROTECTION AND AFFORDABLE CARE ACT (PPACA) EMPLOYER SHARED RESPONSIBILITY

If the Services involve Supplier furnishing UC with temporary or supplementary staffing, Supplier warrants that:

- A. If Supplier is an Applicable Large Employer (as defined under Treasury Regulation Section 54.4980H-1(a)(4)):
 - 1. Supplier offers health coverage to its full-time employees who are performing Services for UC;
 - 2. Supplier's cost of enrolling such employees in Supplier's health plan is factored into the fees for the Services; and
 - 3. The fees for the Services are higher than what the Services would cost if Supplier did not offer health coverage to such full-time employees.
- B. If Supplier is not an Applicable Large Employer (as defined above):
 - 1. Supplier offers group health coverage to its full-time employees who are performing Services for UC and such coverage is considered Minimum Essential Coverage (as defined under Treasury Regulation Section 1-5000A-2) and is Affordable (as defined under Treasury Regulation Section 54.4980H-5(e)); or
 - 2. Supplier's full-time employees who are performing services for UC have individual coverage and such coverage satisfies the PPACA requirements for mandated individual coverage.

Supplier acknowledges that UC is relying on these warranties to ensure UC's compliance with the PPACA Employer Shared Responsibility provision.

ARTICLE 24 - PREVAILING WAGES

Unless UC notifies Supplier that the Services are not subject to prevailing wage requirements, Supplier will comply, and will ensure that all sub-suppliers comply, with California prevailing wage provisions, including but not limited to those set forth in Labor Code sections 1770, 1771, 1771.1, 1772, 1773, 1773.1, 1774, 1775, 1776, 1777.5, and 1777.6. For purposes of the Agreement, the term "sub-supplier" means a person or firm, of all tiers, that has a contract with Supplier or with a sub-supplier to provide a portion of the Services. The term sub-supplier will not include suppliers, manufacturers, or distributors. Specifically, and not by way of limitation, if apprenticable occupations are involved in providing the Services, Supplier will be responsible for ensuring that Supplier and any sub-suppliers comply with Labor Code Section 1777.5. Supplier and sub-supplier may not provide the Services unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5 and 1771.1. Notwithstanding the foregoing provisions, Supplier will be solely responsible for tracking and ensuring proper payment of prevailing wages regardless if Services are partially or wholly subject to prevailing wage requirements. In every instance, Supplier will pay not less than the UC Fair Wage (defined as \$13 per hour as of 10/1/15, \$14 per hour as of 10/1/16, and \$15 per hour as of 10/1/17) for Services being performed at a UC Location (defined as any location owned or leased by UC).

The California Department of Industrial Relations (DIR) has ascertained the general prevailing per diem wage rates in the locality in which the Services are to be provided for each craft, classification, or type of worker required to provide the Services. A copy of the general prevailing per diem wage rates will be on file at each UC Location's procurement office, and will be made available to any interested party upon request. Supplier will post at any job site:

- A. Notice of the general prevailing per diem wage rates, and
- B. Any other notices required by DIR rule or regulation.

By this reference, such notices are made part of the Agreement. Supplier will pay not less than the prevailing wage rates, as specified in the schedule and any amendments thereto, to all workers employed by Supplier in providing the Services. Supplier will cause all subcontracts to include the provision that all sub-suppliers will pay not less than the prevailing rates to all workers employed by such sub-suppliers in providing the Services. The Services are subject to compliance monitoring and enforcement by the DIR. Supplier will forfeit, as a penalty, not more than \$200 for each calendar day or portion thereof for each worker that is paid less than the prevailing rates as determined by the DIR for the work or craft in which the worker is employed for any portion of the Services provided by Supplier or any sub-supplier. The amount of this penalty will be determined pursuant to applicable law. Such forfeiture amounts may be deducted from the amounts due under the Agreement. If there are insufficient funds remaining in the amounts due under the Agreement, Supplier will



be liable for any outstanding amount remaining due. Supplier will also pay to any worker who was paid less than the prevailing wage rate for the work or craft for which the worker was employed for any portion of the Services, for each day, or portion thereof, for which the worker was paid less than the specified prevailing per diem wage rate, an amount equal to the difference between the specified prevailing per diem wage rate and the amount which was paid to the worker. Review of any civil wage and penalty assessment will be made pursuant to California Labor Code section 1742.

ARTICLE 25 - FAIR WAGE/FAIR WORK

If the Agreement is for Services that will be performed at one or more UC Locations, does not solely involve furnishing Goods, and are not subject to extramural awards containing sponsor-mandated terms and conditions, Supplier warrants that it is in compliance with applicable federal, state and local working conditions requirements, including but not limited to those set forth in Articles 11, 12 and 14 herein, and that Supplier pays its employees performing the Services no less than the UC Fair Wage. Supplier agrees UC may conduct such UC Fair Wage/Fair Work interim compliance audits as UC reasonably requests, as determined in UC's sole discretion. Supplier agrees to post UC Fair Wage/Fair Work notices, in the form supplied by UC, in public areas (such as break rooms and lunch rooms) frequented by Supplier employees who perform Services.

For Services that exceed \$100,000 annually and are not subject to prevailing wage requirements, Supplier will, a) at Supplier's expense, provide an annual independent verification performed by a licensed public accounting firm (independent accountant) or the Supplier's independent internal audit department (https://na.theiia.org/standards-guidance/topics/Pages/Independence-and-Objectivity.aspx) in compliance with UC's required verification standards and procedures, concerning Supplier's compliance with this provision, and b) ensure that in the case of a UC interim audit, its independent accountant/independent internal auditor makes available to UC its UC Fair Wage/Fair Work work papers for the most recent verification period. Supplier agrees to provide UC with a UC Fair Wage/Fair Work verification annually, in a form acceptable to UC, no later than ninety days after each one-year anniversary of the agreement's effective date, for the twelve months immediately preceding the anniversary date. All Supplier FW/FW compliance resources available here: https://www.ucop.edu/procurement-services/for-suppliers/fwfw-resources-suppliers.html.

ARTICLE 26 – MEDICAL DEVICES

This Article applies when the Goods and/or Services involve UC purchasing or leasing one or more medical devices from Supplier, or when Supplier uses one or more medical devices in providing Goods and/or Services to UC.

Medical Device as used herein will have the meaning provided by the U.S. Food and Drug Administration ("FDA") and means an instrument, apparatus, implement, machine, contrivance, implant, in vitro reagent, or other similar or related article, including a component part, or accessory which is: (i) recognized in the official National Formulary, or the United States Pharmacopoeia, or any supplement to them; (ii) intended for use in the diagnosis of disease or other conditions, or in the cure, mitigation, treatment, or prevention of disease, in man or other animals, or (iii) intended to affect the structure or any function of the body of man or other animals, and which does not achieve any of its primary intended purposes through chemical action within or on the body of man or other animals and which is not dependent upon being metabolized for the achievement of any of its primary intended purposes.

Supplier warrants that prior to UC's purchase or lease of any Medical Device or Supplier's use of any Medical Device in providing Goods and/or Services hereunder, Supplier will: (i) perform security testing and validation for each such Goods and/or Services or Medical Device, as applicable; (ii) perform a security scan by an anti-virus scanner, with up-to-date signatures, on any software embedded within any Goods and/or Services or Medical Device, as applicable, in order to verify that the software does not contain any known viruses or malware; (iii) conduct a vulnerability scan encompassing all ports and fuzz testing; and (iv) provide UC with reports for (i) – (iii). Supplier warrants that all security testing performed by Supplier covers all issues noted in the "SANS WE TOP 25" and/or "OWASP Top 10" documentation.

Throughout Supplier's performance of this Agreement, Supplier will provide UC with reasonably up-to-date patches, firmware and security updates for any Medical Device provided to UC, and any other Medical Device used in the course of providing Services, as applicable. All such patches and other security updates will be made available to UC within thirty (30) days of its commercial release or as otherwise recommended by Supplier or Supplier's sub-supplier, whichever is earlier.



Supplier warrants that all software and installation media not specifically required for any Medical Device used by Supplier or Goods and/or Services delivered to UC under this Agreement as well as files, scripts, messaging services and data will be removed from all such Goods and/or Services or Medical Device following installation, and that all hardware ports and drives not required for use or operation of such Goods and/or Services or Medical Device will be disabled at time of installation. In addition, Medical Devices must be configured so that only Supplier-approved applications will run on such Medical Devices.

Supplier agrees that UC may take any and all actions that it, in its sole discretion, deems necessary to address, mitigate and/or rectify any real or potential security threat, and that no such action, to the extent such action does not compromise device certification, will impact, limit, reduce or negate Supplier's warranties or any of Supplier's other obligations hereunder.

Supplier warrants that any Medical Device provided to UC, and any other Medical Device used in the course of providing such Goods and/or Services, meet and comply with all cyber-security guidance and similar standards promulgated by the FDA and any other applicable regulatory body.

If the Goods and/or Services entail provision or use of a Medical Device, Supplier will provide UC with a completed Manufacturer Disclosure Statement for Medical Device Security (MDS2) form for each such Medical Device before UC is obligated to purchase or lease such Medical Device or prior to Supplier's use of such device in its performance of Services. If Supplier provides an MDS2 form to UC concurrently with its provision of Goods and/or Services, UC will have a reasonable period of time to review such MDS2 form, and if the MDS2 form is unacceptable to UC, then UC in its sole discretion may return the Goods or terminate the Agreement with no further obligation to Supplier.

ARTICLE 27 - FORCE MAJEURE

Neither Party will be liable for delays due to causes beyond the Party's control (including, but not restricted to, war, civil disturbances, earthquakes, fires, floods, epidemics, quarantine restrictions, freight embargoes, and unusually severe weather).

ARTICLE 28 – ASSIGNMENT AND SUBCONTRACTING

Except as to any payment due hereunder, Supplier may not assign or subcontract the Agreement without UC's written consent. In case such consent is given, the assignee or subcontractor will be subject to all of the terms of the Agreement.

ARTICLE 29 - NO THIRD-PARTY RIGHTS

Nothing in the Agreement, express or implied, is intended to make any person or entity that is not a signer to the Agreement a third-party beneficiary of any right created by this Agreement or by operation of law.

ARTICLE 30 - OTHER APPLICABLE LAWS

Any provision required to be included in a contract of this type by any applicable and valid federal, state or local law, ordinance, rule or regulations will be deemed to be incorporated herein.

ARTICLE 31 – NOTICES

A Party must send any notice required to be given under the Agreement by overnight delivery or by certified mail with return receipt requested, to the other Party's representative at the address specified by such Party.

ARTICLE 32 - SEVERABILITY

If a provision of the Agreement becomes, or is determined to be, illegal, invalid, or unenforceable, that will not affect the legality, validity or enforceability of any other provision of the Agreement or of any portion of the invalidated provision that remains legal, valid, or enforceable.



ARTICLE 33 - WAIVER

Waiver or non-enforcement by either Party of a provision of the Agreement will not constitute a waiver or non-enforcement of any other provision or of any subsequent breach of the same or similar provision.

ARTICLE 34 – AMENDMENTS

The Parties may make changes in the Goods and/or Services or otherwise amend the Agreement, but only by a writing signed by both Parties' authorized representatives.

ARTICLE 35 – GOVERNING LAW AND VENUE

California law will control the Agreement and any document to which it is appended. The exclusive jurisdiction and venue for any and all actions arising out of or brought under the Agreement is in a state court of competent jurisdiction, situated in the county in the State of California in which the UC Location is located or, where the procurement covers more than one UC Location, the exclusive venue is Alameda County, California.

ARTICLE 36 - SUPPLIER TERMS

Any additional terms that Supplier includes in an order form or similar document will be of no force and effect, unless UC expressly agrees in writing to such terms.

ARTICLE 37 – SURVIVAL CLAUSE

Upon expiration or termination of the Agreement, the following provisions will survive: WARRANTIES; INTELLECTUAL PROPERTY, COPYRIGHT AND PATENTS; INDEMNITY; USE OF UC NAMES AND TRADEMARKS; LIABILITY FOR UC-FURNISHED PROPERTY; COOPERATION; TERMS APPLICABLE TO THE FURNISHING OF GOODS; AUDIT REQUIREMENTS; PROHIBITION ON UNAUTHORIZED USE OR DISCLOSURE OF CONFIDENTIAL INFORMATION; GOVERNING LAW AND VENUE, and, to the extent incorporated into the Agreement, the terms of the APPENDIX—DATA SECURITY, APPENDIX—BUSINESS ASSOCIATES, and/or APPENDIX—GENERAL DATA PROTECTION REGULATION.

ATTACHMENT A TO PURCHASING AGREEMENT #2020002150 STATEMENT OF WORK

This Statement of Work ("SOW") is issued pursuant to Purchasing Agreement #2020002150 dated April 15th, 2020 between UC and Supplier ("Agreement").

1. Flooring Products & Services at the University of California

Products and services provided to the University shall meet all requirements established under the Category Specifications and Installation Services requirements as defined in University of California Request for Proposal "#001225-May2019 - University of California Systemwide Flooring".

2. Term of SOW

This SOW will begin on April 15th, 2020 ("Effective Date") and continue through April 14th, 2025. This SOW may not be renewed or otherwise amended except through a Change Order pursuant to the Change Management section below.

3. Key Tasks and Activities, Deliverables and Completion Timeframe

Sup	Supplier Obligations									
Tasl	· ·	Activities	Deliverables	Completion Date or Timeframe						
1	Flooring Products & Services	Provide flooring products services as needed either directly or through a flooring dealer.	Flooring Products, Installation Services, Recycling & Reclamation of Old Floor Covering	As requested						
2	Quarterly KPI Reports	Provide Quarterly reporting on product recycling and small business utilization as outlined in Attachment C.	Quarterly KPI Reports	30 days following the end of the quarter						
3	Monthly Purchase Reports	Provide Monthly purchase reports as defined in Attachment C.	Monthly Sales Reports	15 days following the last day of the month						

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4. UC Obligations

Not Applicable

5. Place(s) of Performance

Supplier agrees to make available products and services to any UC location upon the terms, conditions, and pricing set forth in this agreement. Additionally, products and services will be made available nationally through OMNIA Partners member agencies.

6. Key Personnel

Supplier's Account Manager is listed below, is subject to UC approval, and has overall responsibility for managing the UC/Supplier relationship:

Name	Tamlin Antoine
Phone	202.480.6461
Email	<u>Tamlin.antoine@milliken.com</u>
Address	924 Milliken Road
	Spartanburg, SC 29303

UC'S Project Manager, responsible for acceptance/rejection of project results/deliverables, is:

Name	Reynaldo Cano-Boza				
Phone	ne 510.987.9893				
Email	Email Reynaldo.cano-boza@ucop.edu				
Address	7835 Trade Street, Suite 100				
	San Diego, CA 92121				

7. Reporting Requirements

Quarterly and Monthly Reports as described in Attachment C, including:

Quarterly – Recycling & Reclamation Quarterly – Small Business Utilization Monthly – Purchases

Supplier agrees to register and participate in an assessment of their sustainability practices and procedures through EcoVadis Corporate Social Responsibility (CSR) monitoring platform within 60 days of agreement signature.

Supplier agrees to provide other reports as reasonably requested by UC during the Term of the Agreement and any extension(s) to the Term at no additional cost to UC.

8. Service Level Agreement

During the Term of the Agreement, and any extension(s) of the Term, Supplier will meet Service Levels defined under section 5 requirements as defined in University of California Request for Proposal "#001225-May2019 - University of California Systemwide Flooring".

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The minimum service standards set forth above recognize that occasional errors are likely; however, Supplier further agrees to use its best efforts to achieve 100% of service levels. Should the service levels fall below the minimum standards and Supplier does not take corrective action within fourteen (14) days following UC written notification, UC reserves the right to terminate the Agreement immediately.

9. Program Requirements

<u>Order Packaging and Labeling</u>. Supplier agrees that each UC order will be individually wrapped and labeled with the following information:

Purchase Order number;

Product description, quantity and catalog number of the product ordered and an open 30-character field for internal identification e.g., UC storehouse catalog numbers and/or internal customer order numbers; and

Other information, as may be requested by ordering UC Location.

Packaging slips will be attached to the outside of the package such that it can be inspected by UC at the requesting department and/or receiving dock.

<u>Receiving Locations.</u> Supplier agrees to provide desktop and dock delivery to all UC current and future authorized personnel delivery points, as requested by UC.

<u>Standard Delivery Requirements</u>. Supplier will deliver Monday through Friday, excluding UC- and Supplier-observed holidays. Supplier provide UC with a schedule on or before September 1 of the following calendar year showing holidays and other planned shutdowns (such as the annual inventory) that would impact Supplier's ability to deliver the Goods and/or Services. Supplier agrees to deliver all UC orders received by 3:30pm Pacific Time the next business day as follows:

Campus direct (desktop delivery) - by 3:30 pm Pacific Time Storehouse (drop ship delivery) - by 10:00 am Pacific Time

<u>Delivery Delays</u>. Supplier will report any delivery delay whatsoever to the ordering Location, as well as its cause, within two (2) hours after Supplier is able to reasonably determine there will be a delay; the report will be provided to UC by telephone, e-mail, or facsimile. Supplier will keep UC fully informed and will take all reasonable action in eliminating the cause of delay.

<u>Returns</u>. Supplier agrees to accept standard Goods returned by UC if in resalable condition and if made within thirty (30) days of original shipment. Returns of standard goods may result in a 15% restocking fee, as well as any applicable shipping charges. Returns will not be allowed on custom or made to order styles. Supplier agrees to pay freight on any returns resulting from an error in shipment including, but not limited to, incorrect style, quantity, location, etc.

<u>Credit</u>. Requests for credit can be transmitted by the ordering UC personnel via the established order management system (telephone, fax, paper return form, and web-based). Chargebacks and credit memos will be issued to UC ordering departments in the current month's billing period. Return items will be credited at cost. If Goods were purchased via UC purchasing card, credit must be issued to the same purchasing card.

<u>Out of Stock Items</u>. If there is an out of stock situation of any ordered inventoried item(s), the out of stock item will be added to the back order file and will be delivered to UC when the item is in stock without a further order being submitted.

<u>Surveys</u>. Supplier will, at UC's request, conduct customer surveys of UC orders through questionnaires. The content of these surveys will be approved by UC. UC will be responsible for the tabulation of these surveys.

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10. Partnership Opportunities

Upon mutual terms, Supplier and UC Campuses may engage in partnership opportunities that align the teaching, research and service mission of the University with strategic supplier relationships. These opportunities allow the Supplier to more directly impact student, faculty, staff, and alumni stakeholders throughout the University. Opportunities may include, but are not limited to:

- Student Internship & Career Development Opportunities
- Projects & Research focused on advancing sustainability of flooring products & services
- Guest lecture opportunities for design, engineering, sustainability, and business disciplines
- Sponsorship of Intercollegiate Athletics, Alumni, Associated Student Groups, etc.

11. Changes to the Services

UC may desire to change the Goods and/or Services following execution of an SOW. If so, UC will submit a written Amendment to Supplier describing the changes in appropriate detail. If an Amendment does not require Supplier to incur any additional material costs or expenses, then Supplier will make the modification within ten (10) business days of Supplier's receipt of UC's Amendment. If an Amendment does require that Supplier incur additional material costs or expenses, then Supplier in good faith will provide UC with a written, high level, non-binding assessment of the costs and expenses and the time required to perform the modifications required by the Amendment, within ten (10) business days of Supplier's receipt of UC's Amendment. UC will notify Supplier in writing within ten (10) business days after receipt of Supplier's response to the Amendment as to whether UC wishes Supplier to implement the Amendment based on the response. UC will compensate Supplier for implementation of an Amendment in accordance with the terms and conditions of the relevant Amendment and Supplier's response to the Amendment, if any. Supplier's implementation of an Amendment will not delay the performance of Services and/or the delivery of deliverables not reasonably affected by an Amendment.

12. No Mandatory Use

Because there is no mandatory use policy at UC, nothing in this Statement of Work will be construed to prevent UC from entering into similar agreements with any third parties including, without limitation, suppliers that may be in competition with Supplier.

This Statement of Work is signed below by the parties' duly authorized representatives.

THE REGENTS OF THE		Milliken Services, LLC			
UNIVERSITY OF CALIFORNIA DocuSigned by:	A	DocuSigned by:			
Justin Sullivan		Tamlin Antoine		_	
(Sig9524EPF@)84C40B		(Signa701/466)=0B453			
Justin Sullivan	Executive Director	Tamlin Antoine	Director	of Government	sales
(Printed Name, Title)		(Printed Name, Title)		-	
4/23/2020		4/20/2020			
(Date)		(Date)		_	

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Milliken

Attachment B - University of California Price Schedule

Confidential Information

UCOP Agreement #2020002150

Product Name/Category	Product Size	Member Cost Freight Included	MSRP	Percent Discount off MSRP	Additional Volume Based Discounts	Disclosure of Chemicals of Concern	Does Product have an EPD	Third Party Certifications
Hodular	Carpet Products (P	or So. Vd)					T T	
Modulai	carpet Products (P	er sq. ru)						Cradle to Cradle Silver,
Arcadia	1m, 25cmx1m	\$ 25.10	\$ 108.65	76.90	No	Flame Retardants	Yes	Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required. Cradle to Cradle Silver, Declare, CRI Green Label Plus,
Archipelago	50cm	\$ 29.09	\$ 113.75	74.43	No	Flame Retardants	Yes	NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Arctic Survey	25cm x 1m	\$ 38.76	.	70.07		Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140
City Proper	50cm	\$ 33.59	\$ 130.79 \$ 111.59	70.37	No No	Flame Retardants	Yes	Platinum if required. Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Common Thread	50cm	\$ 23.62	\$ 81.65	71.07	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Continental	25cm x 1m	\$ 32.77	\$ 108.99	69.93		Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Formwork	50cm, 25cm x 1m	\$ 26.98	\$ 77.69	65.27	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Ghost Artist Collection	50 cm	\$ 35.89	\$ 71.39	49.72		Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Journal	50CM	\$ 26.32	\$ 91.99	71.39		Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Major Frequency: One	25cm x 1m	\$ 28.90	\$ 54.99	47.44		Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.

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Major Frequency: Two	25cm x 1m 50cm x 1m							Vec	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140
		\$	23.09	\$ 40.99	43.66	No	Flame Retardants	Yes	Platinum if required.
Monuments & Shrines	50cm	\$	34.13	\$ 101.15	66.25	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
									Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140
Motionscape	25cm x 1m	\$	29.33	\$ 91.35	67.90	No	Flame Retardants	Yes	Platinum if required.
New Slant	25cm x 1m	\$	39,23	\$ 128.85	69.56	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
	1								Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140
Nordic Stories - Loop & Tip Shear	50cm	\$	28,43	\$ 83.99	66.15	No	Flame Retardants	Yes	Platinum if required.
Sound and Fury	50cm	s	32.96	\$ 96.15	65.72	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Southern Analog	50cm	\$	33,95	\$ 76.79	55.79	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.
Surface Study-Surface Study	50cm	\$	27.92	\$ 107.29	73.98	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plus, NSF 140 Gold. Milliken Carpet Tile can meet NSF 140 Platinum if required.

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						·				Cuedle to Condition
Textured Sky	25cm x 1m 50cm x 50cm	\$	41.64	\$ 12	26.59	67.11	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plu: NSF 140 Gold. Milliken Carpe Tile can meet NSF 140 Platinum if required.
Whale Song	50cm	\$	32.14	\$ 11	14.99	72.05	No	Flame Retardants	Yes	Cradle to Cradle Silver, Declare, CRI Green Label Plu: NSF 140 Gold. Milliken Carpe Tile can meet NSF 140 Platinum if required.
Broadlo	oom Carpets (Per	Sq. Yd.)					•			
										Declare, CRI Green Label Plus
Formwork	13'6"BL	\$	19,17	\$ 2	28.89	33.66	No	Flame Retardants	Yes	NSF 140 Gold
Adhesives, Backing Treatments, and		l e	4 E4							
TractionBack - Non Adhesive Backing	Per Sq. Yd.	\$	1,51							
Milliken Non-Reactive Standard Adhesive (4 gallon pail) - 150 sq. yd.avg. spread rate per pail	4 Gallon	s	126.16							
Milliken Non-Reactive Standard Adhesive	· Gatton	*	120,10							
(pallet qty.)	4 Gallon	\$	119.72							
Milliken Moisture Extreme Spray Adhesive 75 sq. yd. spread rate per 6-pack	6 packs	s	797.63							
Milliken LVT Adhesive Spread Rate 220-260 sq.										
ft./gallon	1 Gallon	\$	38,12							
Milliken LVT Adhesive Spread Rate 220-260 sq. ft./gallon	4 Gallon	\$	129.03							
Acousti-Loc Adhesive Porous - 200 sqft / gallon, Non Porous - 250 sqft / gallon	2 Gallon	\$	139.59							
Premium Underlayment for Luxury Vinyl Tile	100 Sq. Ft. (4 Rolls/Box)	\$	283.87							
Broadloom Adhesive - 4 gal pail										
30 sq. yd. avg. spread rate per pail	4 Gallon	\$	72,27							
Broadloom Adhesive (pallet Qty.)	4 Gallon	\$	68,69							
LVT Products (Per Sq. Ft.)										
Abstract - Fibre	18" x 36"	\$	3,33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Abstract - Twist	18" x 18"	\$	3,33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
District Collection - Midtown Village	18" x 18"	\$	3,33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Stone - Charlotte, Slate	18" x 18"	\$	3,33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Stone - Serpeggiante	12" x 24"	\$	3,33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Stone - Stone	18" x 36"	\$	3.33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Wood - Apple Wood, Oak,	5" x 48"	\$	3.33	\$	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Wood - Cherry, Eucalyptus Saligna, Fine Line, Kokutan, Laurel Oak, Rosecliff Cherry,	7" x 48"									
Rosewood, Rustic Pine, Teak	0" - 40"	\$	3,33		3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Wood - Aged Oak, Fissure Oak	9" x 48"	\$	3,33	>	3.59	7.24	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Loose Lay Abstract - Immersive Cross Cut, Immersive Vertical	7.9" x 39.4"	\$	4.50	\$	4.69	4.05	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Loose Lay Abstract - Immersive Square,	19.7" x 19.7"	s	4.50	¢	4.69	4.05	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Tactual Loose Lay Abstract - Sensations. Tangible	18" x 36"	\$	4.50		4.69	4.05	No No	Polyvinyl Chloride Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD Dec are, FloorScore, EPD
Loose Lay Abstract - Power Grid, Polished Concrete	36" x 36"	s	4.50		4.69	4.05	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD
Loose Lay Natural Collection - Fargesia Bamboo, Heritage Wood, Eero, Shenandoah,	9" x 59.72"	*	4,30	-	.,07	4.03	110	1 olyvinyt chloride	103	zee are, monseore, Er b
Pike, Gunnison		\$	4.50	\$	4.69	4.05	No	Polyvinyl Chloride	Yes	Dec are, FloorScore, EPD

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Metro Park Rigid Form - Shenandoah, Pike,			-						
Kokutan, Euclaytus Saligna, Applewood	7" x 48"								
Heritage Wood		\$ 4.06	5 \$	5.00	18.83	No	Polyvinyl Chloride	Yes	Declare, FloorScore
Metro Park Rigid Form - Tangible	18" x 36	\$ 4.06	5 \$	5.00	18.83	No	Polyvinyl Chloride	Yes	Declare, FloorScore
								Yes	
Character Ballan Danie Blattante Water									
Change Agent Relic - Rune, Philosphy, Virtue,	25cm x 100cm								
Shrine, Antiquity, Heirloom, Artifact, Fortune, Hero, Elixir, Figure, Quest	ZJCIII X TOOCIII								
		\$ 4.74	4 \$	4.79	1.07	No	Polyvinyl Chloride	Yes	Declare, FloorScore
Change Agent Conjure - Arise, Spirit, Ember,	25cm x 150cm								
Nexus, Ash, Cycle, Coal		\$ 4.74	4 \$	4.79	1.07	No	Polyvinyl Chloride	Yes	Declare, FloorScore
Change Agent Rootwork - Enchant, Harvest,	25 450								
Sacred, Divine, Crest, Honor, Revere, Heir, Legend	25cm x 150cm	\$ 4.74	4 \$	4.79	1.07	No	Polyvinyl Chloride	Yes	Declare, FloorScore
Max Order from Inventory - 200m ² , 240yd ² ,		3 4.7-	+ 2	4.77	1,07	NO	Potyvinyt Chloride	163	Declare, 1 looi score
2160ft ²			_						
			_					-	
Installation Prices ("NOT TO EXCEED"	costs)								
Actual Installation costs will require site review	ew and estimate								
Cove base: furnish and install 4"	LNF	\$ 2.75	5						
Cove base: Furnish and install 4.5"	LNF	\$ 2.90	0						
Cove base: furnish and install 6"	LNF	\$ 3.00	0						
Transition strips: Metal (furnish&install)	LNF	\$ 4.00	0						
Transition strips: Vinyl (furnish&install)	LNF	\$ 4.00)						
Stair nosing (furnish and install)	LNF	\$ 5.00	0						
Stair tread (furnish and install)	LNF	\$ 40.00	0						
Floor Prep	Per Sq. Ft.	\$ 1.00	0						
Furnish and Install Standard VCT	Per Sq. Ft.	\$ 2.75	5						
Furnish and Install SRT/VCT Slip Resistant	Per Sq. Ft.	\$ 7.00							
Install LVT	Per Sq. Ft.	\$ 2.75							
Underlayment Install - NTE Level	Per Sq. Ft.	\$ 2.25							
Remove VCT or LVT	Per Sq. Ft.	\$ 1.75	5						
*Furnish and Install Hard Surface									
Tile/Wood/Rubber Tile	Per Sq. Ft.	\$ 20.00	۱ ا						
The Wood Rubber The	10134.10	3 20.00	+						
*Note this price includes setting materials,	grout and base								
but does not include epoxy, mud bed or wa	aterproofing								
' "									
Labor: Material Handling/Staging	Per Sq. Yd.	\$2.00	0						
Labor: Hard Surface Tile Removal	Per Sq. Ft.	\$ 5.00	0						
**Scarify Subfloor	Per Sq. Ft.	\$ 1.10	0						
**Note this services requires a \$500 minimum to	rip charge								
Install Carpet cove base	LNF	\$ 4.00	0						
Labor: install carpet (rennovation)	Per Sq. Yd.	\$ 9.00	0						
Labor: install carpet (new construction)	Per Sq. Yd.	\$ 8.50	0						
Labor: remove existing carpet	Per Sq. Yd.	\$ 3.50)						
Labor: move furniture (light moving)	Per Sq. Yd.	\$ 5.00							
Labor: move furniture (medium moving)	Per Sq. Yd.	\$ 9.00	0						
Labor: move furniture (heavy moving)	Per Sq. Yd.	\$ 27.00	0						
Labor nights & weekends upcharge	Per Sq. Yd.	\$ 5.00							
Material disposal	Per Sq. Yd.	\$ 1.25							
Labor: Stairs	LNF	\$ 3.00							
30 Yard Dumpster	Each	\$ 1,000.00							
Moisture Abatement		quote per project	1						
			1						
Moisture Testing: Per Test NTE (Includes									
tests and labor/time to set and read)	F. 1		,						
Desirat Management For an Timelana Co.	Each	\$ 250.00	<u> </u>						
Project Management Fee on Turnkey projects		up to 20% of contract value							

Authorized Exceptions and Notes to Pricing Listed Above:

- >Per F.A.R. Sec ion 52.299-4 c, the vendor will charge for reimbursement of taxes imposed on the contractor
- >When Installation is purchased, the contract price will be increased in States where State and, or Local taxes are applicable for installed projects
- >All Installa ion projects are subject to an administrative processing fee
- >Prevailing Wage, Union Labor, and High-Cost Areas are not included in pricing listed above. Pricing for hese projects will be project and quote specific according to the specific market.
- High-Cost areas include, but are not limited to the following: Boston, Chicago, Kansas City, Los Angeles, Miami, New York, Philadelphia, San Diego, San Francisco, St. Louis, Washington, D.C.
- >Open Market Items: Certain projects may require products and services not listed in the contract. These items will be priced and provided at open market price.
- >Project Minimums: Carpet Installation Pricing is for projects of 250sy or more. If project requires less than 250sy, minimum charges may apply.
- >Project Minimums: LVT/VCT Installation Pricing is for projects 750sf or more. If project requires less than 750sf, minimum charges may apply.
- >Turnkey Invoicing: Material will be invoiced as it is shipped (or phased) and labor will be invoiced upon completion of project.
- >Exclusions: Asbestos Testing and Abatement, Major floor prep and Leveling, Hoisting, Handling electronic equipment including (but not limited to) computers, telephones and personal belongings.
- Payment and Performance Bonds, Floor and Equipment protection and Long Term Storage of Materials.
- > Mobilization charges may apply if installation crew arrives on project site and cannot perform scheduled work due to unexpected conditions by customer.
- All Prices include freight (FOB Destination, contiguous U S) Orders should be entered as inclusive of Freight

SUPPLIER Milliken Services		NorCal (Area	1 - UCB,UCSF)	NorCal (Are	a 2 - UCSC)	NorCal (Ar	ea 3 - UCD)	NorCal (Are	a 4 - UCM)	SoCal (Area 1 - UCL	A, UCI, UCR, UCSB)	San Dieg	o - UCSD
Labor Description	UOM	Standard Rates	Prevailing Wage	Standard Rates	Prevailing Wage	Standard Rates	Prevailing Wage						
Installation Carpet Tile	SqYD	\$ 9.00	\$ 14.50	\$ 9.00	\$ 14.50	\$ 9.00	\$ 11.00	\$ 9.00	\$ 14.50	\$ 9.00	\$ 13.25	\$ 9.00	\$ 12.00
Removal of Carpet Tile	SqYD	\$ 3.50	\$ 5.00	\$ 3.50	\$ 5.00	\$ 3.50	\$ 5.25	\$ 3.50	\$ 5.00	\$ 3.50	\$ 4.75	\$ 3.50	\$ 4.00
Installation Broadloom (direct glue down)	SqYD	\$ 9.00	\$ 18.50	\$ 9.00	\$ 18.50	\$ 9.00	\$ 10.50	\$ 9.00	\$ 18.50	\$ 9.00	\$ 13.25	\$ 9.00	\$ 11.50
Installation Broadloom (w/Pattern)	SqYD	\$ 9.00	\$ 22.50	\$ 9.00	\$ 22.50	\$ 9.00	\$ 10.50	\$ 9.00	\$ 22.50	\$ 9.00	\$ 13.25	\$ 9.00	\$ 11.50
Removal of Broadloom (direct glue down)	SqYD	\$ 3.50	\$ 5.50	\$ 3.50	\$ 5.50	\$ 3.50	\$ 5.50	\$ 3.50	\$ 5.50	\$ 3.50	\$ 4.75	\$ 3.50	\$ 4.50
Removal of Double Stick Installation	SqYD	\$ 7.00	\$ 8.50	\$ 7.00	\$ 8.50	\$ 7.00	\$ 7.50	\$ 7.00	\$ 8.50	\$ 7.00	\$ 8.00	\$ 7.00	\$ 7.50
Removal/Disposal Resilient Flooring	SqFt	\$ 2.00	\$ 4.00	\$ 2.00	\$ 4.00	\$ 2.00	\$ 2.50	\$ 2.00	\$ 4.00	\$ 2.00	\$ 3.00	\$ 2.00	
Carpet Disposal	SqYD	\$ 1.25	\$ 1.75	\$ 1.25	\$ 1.75	\$ 1.25	\$ 1.50	\$ 1.25	\$ 1.75	\$ 1.25	\$ 1.50	\$ 1.25	\$ 1.50
Carpet Reclamation Fee	SqYD	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00	\$ 2.00
Installation of VCT	SqFt	\$ 2.75	\$ 4.00	\$ 2.75	\$ 4.00	\$ 2.75	\$ 3.00	\$ 2.75	\$ 4.00	\$ 2.75	\$ 3.50	\$ 2.75	\$ 3.00
Installation of Luxury Vinyl Tile	SqFt	\$ 2.75	\$ 5.00	\$ 2.75	\$ 5.00	\$ 2.75	\$ 3.50	\$ 2.75	\$ 5.00	\$ 2.75	\$ 4.50	\$ 2.75	\$ 3.50
Installation of Rubber (Tile or Roll)													
Installation of Sheet Vinyl													
Heat Welding (Sheet Vinyl)													
Installation Flash Cove (Sheet Vinyl)													
Palletize/Shrink Wrap Old Carpet for Reclamation	SqYD	\$ 1.50	\$ 2.00	\$ 1.50	\$ 2.00	\$ 1.50	\$ 2.00	\$ 1.50	\$ 2.00	\$ 1.50	\$ 2.00	\$ 1.50	\$ 2.00
Conventional Furniture Moving (Light)	SqYD	\$ 5.00	\$ 15.00	\$ 5.00	\$ 15.00	\$ 5.00	\$ 9.00	\$ 5.00	\$ 15.00	\$ 5.00	\$ 12.50	\$ 5.00	\$ 10.00
Conventional Furniture Moving Medium)	SqYD	\$ 9.00	\$ 17.00	\$ 9.00	\$ 17.00	\$ 9.00	\$ 11.00	\$ 9.00	\$ 17.00	\$ 9.00	\$ 15.00	\$ 9.00	\$ 12.00
L I F T Systems / Carpet Tile Projects Only	SqYD	\$ 20.00	\$ 27.00	\$ 20.00	\$ 27.00	\$ 20.00	\$ 21.00	\$ 20.00	\$ 27.00	\$ 20.00	\$ 25.00	\$ 20.00	\$ 22.50
Moisture Testing	EACH	\$ 250.00	\$ 300.00	\$ 250.00	\$ 300.00	\$ 250.00	\$ 300.00	\$ 250.00	\$ 300.00	\$ 250.00	\$ 300.00	\$ 250.00	\$ 300.00
Furnish/Install Resilient 4" Base	Linear FT	\$ 2.75	\$ 4.00	\$ 2.75	\$ 4.00	\$ 2.75	\$ 3.00	\$ 2.75	\$ 4.00	\$ 2.75	\$ 3.75	\$ 2.75	\$ 3.25
Furnish/Install Resilient 6" Base	Linear FT	\$ 3.00	\$ 5.50	\$ 3.00	\$ 5.50	\$ 3.00	\$ 3.50	\$ 3.00	\$ 5.50	\$ 3.00	\$ 5.00	\$ 3.00	\$ 4.00
Furnish/Install Carpeted 4" Base													
Furnish/Install Carpeted 6" Base													
Furnish/Install Transition	Linear FT	\$ 4.00	\$ 6.50	\$ 4.00	\$ 6.50	\$ 4.00	\$ 4.50	\$ 4.00	\$ 6.50	\$ 4.00	\$ 6.00	\$ 4.00	\$ 5.00
Tile Laying & Installation	SqFt	\$ 20.00	\$ 25.00	\$ 20.00	\$ 25.00	\$ 20.00	\$ 25.00	\$ 20.00	\$ 25.00	\$ 20.00	\$ 25.00	\$ 20.00	\$ 25.00
Floor Prep - Skim Coating to 1/8 inch (Material & Labor)	SqFt	\$ 1.00	\$ 3.50	\$ 1.00	\$ 3.50	\$ 1.00	\$ 2.50	\$ 1.00	\$ 3.50	\$ 1.00	\$ 3.25	\$ 1.00	\$ 3.00
Floor Prep Self leveling to 1/4 inch (Material & Labor)	SqFt	\$ 2.00	\$ 5.50	\$ 2.00	\$ 5.50	\$ 2.00	\$ 4.00	\$ 2.00	\$ 5.50	\$ 2.00	\$ 3.75	\$ 2.00	\$ 5.50
Hourly Rate for Services Not Listed	Hourly Labor Rate	\$ 95.00	\$ 145.00	\$ 95.00	\$ 145.00	\$ 95.00	\$ 125.00	\$ 95.00	\$ 145.00	\$ 95.00	\$ 120.00	\$ 95.00	\$ 105.00
Project Management Fees	EACH	209	6 20%	20%	20%	20%	20%	20%	20%	20%	20%	20%	20%
Installation ADD ON - Night/Weekend	SqYD	\$ 5.00	\$ 6.50	\$ 5.00	\$ 6.50	\$ 5.00	\$ 3.50	\$ 5.00	\$ 6.50	\$ 5.00	\$ 6.00	\$ 5.00	\$ 5.50
Installation ADD ON - Sunday	SqYD	\$ 10.00	\$ 13.00	\$ 10.00	\$ 13.00	\$ 10.00	\$ 7.00	\$ 10.00	\$ 13.00	\$ 10.00	\$ 12.00	\$ 10.00	\$ 11.00

SUPPLIER: Milliken Services	Bronx, (Richm Suffo Westche	ork Region 1: Queens, Kings, ond, Nassau, olk, Putnam, ester & Orange counties	& Hamilton Counties		MD, E	, RI, PA, VA, DC, RI, DE, NJ	AL, FL, GA	st Region: , KY, NC, SC,	<u>South:</u> AR, AZ, TX, L	A, MS	IA, PA,	, MO, OK, MS, NE, IL, IN	<u>West</u> CA, CO, HI, AK, NV, NN MT, ID, SD, N	M, OR, WA, WY, ND, UT	Non-Continer AK & HI	
<u>Labor Description</u>	<u>La</u>	bor Rate	<u>Labor Rate</u>										Non Union Rate Un			
Monday - Friday Standard 8 Hour Shift	\$	175.00								85.00				145.00 \$	135.00 \$	175.00
Monday - Friday Overtime	\$	262.50	\$ 247.50							127.50				217.50 \$	202.50 \$	262.50
Saturday	\$	262.50								127.50				217.50 \$	202.50 \$	262.50
Sunday & Holiday	\$	350.00	\$ 330.00	\$ 300.00	\$ 230.00	\$ 300.00	\$ 120.00	\$ 160.00 \$	130.00 \$	170.00	\$ 190.00	\$ 250.00	\$ 220.00 \$	290.00 \$	270.00 \$	350.00
<u> </u>																
·		<u></u>								·						
	_															

Attachment C – Reporting Requirements

Supplier must provide electronic reports (in Microsoft Excel) to designated UC contacts providing a wide range of information, at both the system-wide and campus level, related to the Agreement including, but not limited to:

Recycling & Reclamation

On a quarterly basis, Supplier will report recycling and reclamation efforts on supplier lead projects throughout the system. Supplier lead projects refer to Services performed by the Suppliers subsidiary InterfaceSERVICES, Inc. under the guidelines note here and outlined in the Interface Reclamation Assurance Letter submitted with the RFP response:

- · Services are performed by InterfaceSERVICES, Inc.,
- Interface products are being installed; and
- compliant material is the scope of work.

It is required that 100% of existing carpet, including carpet padding, be taken to a recycling facility that accepts carpet for recycling unless otherwise required by law. Recycling means turning any manufacturer's old carpet or carpet components into new carpet or other consumer products.

Any exception to the recycling requirement will be communicated to the campus project contact and captured in Recycling & Reclamation reporting.

Supplier will format quarterly report in the following manner:

<u>Column Title</u>	<u>Description</u>	Column Mapping
UC Campus	Site of Work	Α
Project Description	Building/Location	В
Project Purchase Order	Project PO Number	С
Type of Material	Carpet LVT Rubber Linoleum Etc.	D
Amount of Material	Sq Ft/Yd captured	E
Reclamation Method	Recycled Incinerated Other	F
Final Disposal Site	Company/Location of Final Disposition	G
Cost of Reclamation	Invoiced Amount for Service	Н
Certificate of Disposal Provided	Yes (Y) or No (N) – Certificate Number	

Small Business Utilization

On a quarterly basis, Supplier will report Small Business utilization on all Supplier lead projects.

In support of University of California Sustainable Practices guidelines that aim to reach 25% Economically and Socially Responsible Spend as a total percentage of addressable spend, supplier will make best effort to achieve 50% utilization of SBA designated subcontractors to perform services across the University of California system.

Supplier will format quarterly reporting in the following manner:

<u>Column Title</u>	<u>Description</u>	Column Mapping
UC Campus	Site of Work	Α
Project Description	Building/Location	В
Project Purchase Order	Project PO Number	С
Subcontractor	Name of Subcontractor Business	E
Subcontractor's SBA Designation	Certified SBA Class	F
Total Invoice Amount for Services	All Labor Billing Performed by SBA	G
DIR Project ID	DIR Project Number	Н

University of California Sales Reporting

Monthly, Supplier will provide full reporting of all sales captured under this agreement. Supplier will report sales made directly to the University, as well as any University sales reported through Supplier's distribution network.

Supplier will provide monthly sales reporting in the following format:

<u>Column Title</u>	<u>Description</u>	Column Mapping
UC Campus	Site of Work	Α
Project Description	Building/Location	В
Project Purchase Order	Project PO Number	С
Category	Product Service Freight Reclamation	E
Line Item Detail	SKU Style Labor Category	F
Total Invoice Amount for Line F	Total Amount Billed in USD (\$)	G
Billing Date	DD/MM/YY	Н

Earned Growth Incentives

During the	Term of the Agreement, and any	extension(s) to	the Term, Supplier	agrees to provide	UC
campuses					
		1			
					_



Appendix- Electronic Commerce

This Electronic Commerce Appendix specifies the electronic commerce requirements applicable to Supplier in providing the Goods and/or Services.

SECTION 1 - GENERAL TERMS

Each UC Location offers an electronic web-based purchasing and catalog system to facilitate the purchase of Goods and/or Services from UC suppliers. UC Locations' eProcurement systems currently are provided by multiple service providers. Eight of the ten UC campuses utilize the same platform but may require separate implementations, as will the remaining campuses and/or Medical Centers. This Appendix sets forth the terms and conditions that will govern Supplier's sale of Goods and/or Services through UC's eProcurement systems.

SECTION 2 - DEFINITIONS

Catalog(s) refers to the list of detailed product information, agreement pricing, manufacturer part numbers and/or service descriptions relating to the Goods and/or Services to be offered either as a Punch-out Catalog, a Hosted Catalog or in a combination. This may include the creation of multiple Hosted Catalogs.

eProcurement and eCommerce are used interchangeably to mean UC's electronic web-based purchasing and catalog systems. Each UC location has a branded eProcurement site.

Go Live Date means the date on which a Catalog will be active.

Hosted Catalog means a Catalog that is a properly formatted computer file supplied to all UC Locations through the Locations' respective eProcurement systems.

Order means a purchase order for Goods and/or Services placed by a User through an eProcurement system.

Order Data means all data and information relating to Orders, including, without limitation, the specifics of a given transaction.

Punch-out Catalog means a Catalog hosted by Supplier on Supplier's Site. Users may access this Punch-out Catalog via an Internet link provided by Supplier to UC that redirects a User from the Location's eProcurement system to Supplier Site.

Supplier Mark means Supplier's name, trade name and/or trademarks, service mark, or any derivation thereof.

Supplier Site means an internet site operated and maintained by Supplier that has been made subject to this Appendix.

UC Mark means UC's name, trade name and/or trademarks, service marks, or any derivation thereof.

User means an individual authorized by a UC location to use an eProcurement system.

SECTION 3 – RIGHT TO USE

UC grants to Supplier the right to sell Goods and/or Services to UC through the eProcurement systems, subject to the terms of this agreement. Supplier will be responsible for any cost of operation or dispute with regard to its interface with UC's eProcurement systems.

SECTION 4 - e-PROCUREMENT SYSTEM RESPONSIBILITIES; MAINTENANCE OF CATALOG(S); LICENSE

(a) e-Procurement Incentive

During the Term of the Agreement, and any extension(s) to the Term, Supplier agrees to provide UC Campuses annual incentive of 2% of net sales of products and services for e-Procurement activation. Incentive will be available to campuses that implement and activate Supplier's catalogue, whether hosted or punch-out.

(b) e-Procurement System Responsibilities.

Except as otherwise set forth herein, each party will be responsible, at its own expense, for: (i) developing, operating and maintaining its relevant system(s); (ii) acquiring and maintaining its server hardware and software (or obtaining third-party hosting services) for its relevant system(s); and (iii) maintaining Internet connectivity.

The supplier will enable its catalog with any UC location that requests one, as long as it is not out of the scope of the terms of the agreement or this appendix. The parties agree to electronically link the functionality of their respective systems, using commercially reasonable efforts.

Purchase Order and Invoice/Credit Memo Data will be transmitted between the systems according to the appropriate method for each University location, cXML, xCBL or EDI standards being preferred. Other methods of PO or Invoice/Credit Memo transmission will only be allowed at the discretion of each University location.

A supplier's Punch-out site (if applicable) will permit: (a) Users to access the Supplier Site when a User selects the Punch-out Catalog; (b) Supplier site to send back user selected items to Location's eProcurement system; (c) User to create an Order through the Location's eProcurement system; and (d) UC eProcurement systems to forward an Order to Supplier for confirmation and Order processing along with Order status inquiry.

Supplier must be able to accommodate orders and invoices for multiple UC locations sharing a single eProcurement platform. Supplier must be able to identify the Punch-out session and transmitted PO as being from the individual locations. If providing a Punch-out catalog, Supplier must be able to accommodate multiple UC locations on a single platform using a single Punch-out site, unless requested otherwise by UC.

(c) Maintenance of Hosted and Punch-out Catalogs.

Supplier will provide its Catalog(s) to UC in a file format that will interface seamlessly with UC's eProcurement systems. These Catalog files will be in compliance with each UC Location's eProcurement system.

UC makes no guarantee of a Go Live Schedule for establishment of a new catalog Systemwide, as each Location is a separate enablement and subject to resource availability. Timelines will be estimated and adjusted by UC as needed for concurrent implementations.

For Hosted Catalogs, Supplier must provide UC with updated versions of the Catalog file with, at a minimum, full descriptions and images that Supplier currently utilizes for items offered in its proprietary websites and Punch-out Catalogs. The parties will update each other regarding eCommerce specifications as needed from time to time.

Supplier must notify UC's Contract Administrator at least three (3) weeks in advance of the proposed Go Live Date if it will be requesting additions, deletions, or modifications to the Catalogs. After such advance notification, Supplier must provide UC with Catalog files containing the requested additions, deletions, or modifications with no less than the lead time specified in Section 10 of this appendix. In addition, for price file updates with a mutually agreed upon activation of January 1, Supplier must submit proposed files at least five (5) weeks prior to the first working day in January. Upon UC's approval of the new Catalog file, UC and Supplier will confirm the Go Live Date; the updated version of the Catalog file will be made effective on that Go Live date. If UC rejects a Catalog more than once because it does not meet UC's acceptance criteria, the Contract Administrator will suspend Supplier's price/content change until the date of Supplier's next acceptable contracted change.

If there is a conflict between a price in a Hosted Catalog and a Punch-out Catalog, UC will be invoiced at the lower price. Supplier must notify UC in advance when substituting items, changing SKU numbers or changing the number of items in a package in any Catalog.

Content in Supplier catalog is limited to the categories specified in this agreement, with additional categories allowed at UC's discretion. Supplier agrees that UC may block Catalog items at the category and/or SKU level.

The University will require Supplier to clearly identify products as Hazardous Materials, Radioactive, and Controlled Substances in the Supplier's catalog, whether Hosted or Punch-out. For Punch-out the identifier will be returned to the cart of the Location's eProcurement system, in a manner/field acceptable to the Location.

The University will require Supplier to clearly identify products with UC-recognized sustainability/green certifications in both hosted and Punch-out catalogs. UC's Contract Administrator will work with Supplier to ensure that contract items that meet the UC criteria for Green/Sustainable products will be prioritized in all product searches. Products that do not meet UC's minimum criteria requirements may be blocked in all hosted catalogs and Punch-out catalogs at UC's discretion.

Supplier is responsible for providing UC with Catalogs that contain accurate pricing and data in accordance with the Agreement. If UC determines there are errors in the pricing or data attributes of a Catalog, UC will notify Supplier of those errors in writing and reject the Catalog. Supplier will have no more than ten (10) business days to review and correct the errors.

(d) License.

Supplier hereby grants to UC, at no additional cost, a limited, non-exclusive, royalty-free right to link to and access the Supplier Site from the eProcurement sites, subject to the terms and conditions herein and solely for the purpose of permitting Users to access the Services. All Supplier Marks will remain the sole property of Supplier.

(e) Accessibility Requirements.

Supplier agrees that Supplier will make available Goods/Services accessible to people with disabilities and conform to the technical requirements of the relevant Revised Standards of Section 508 of the federal Rehabilitation Act. In addition, Supplier warrants that:

- i. Any catalog content provided to UC will comply with the accessibility requirements of WCAG 2.0AA.
- ii. Supplier will promptly respond to and resolve any complaint regarding accessibility of any catalog content provided to UC.

SECTION 5 - USER SUPPORT

- (a) <u>UC Duties</u>. Each UC Location will provide its Users with initial contact and system support assistance on all functionality and use issues for eProcurement (including links to the Supplier Site). When known, UC will promptly notify Supplier of any such issues relating to the Catalog, the Supplier Site, and/or other Supplier materials/systems.
- (b) <u>Supplier Duties</u>. Supplier will provide all customer support relating to the Catalog, Supplier Goods and/or Services, Invoicing/Payment/Credits, and Supplier Sites in a manner consistent with the customer support that Supplier provides to other customers, and at least as good as the customer support that Supplier provides to customers who are purchasing through any other means.

SECTION 6 – PROPRIETARY RIGHTS

UC's Terms and Conditions of Purchase contains provisions regarding the parties' rights and responsibilities with respect to intellectual property relating to the Goods and Services. Without altering those provisions, the parties

additionally agree as follows: UC may require Supplier to "brand" Supplier's Punch-out Catalog with one or more UC Marks. If UC requires Supplier to utilize one or more UC Marks on Supplier's Punch-out Catalog, UC will provide the appropriate artwork and such artwork will be deemed to have been provided with a limited, non-exclusive, non-sublicensable right for Supplier to use it solely for the purpose of a UC-branded Punch-out Catalog hosted by Supplier and subject to the following terms:

(i) Supplier may not make any additional use of the UC Marks without UC's prior written approval.

Supplier's use of the UC Marks in the Punch-out Catalog must acknowledge UC's ownership of the UC Marks. Supplier will include all notices and legends with respect to UC trademarks, trade names, or copyrights as may be required by applicable trademark and copyright laws or which may be reasonably requested by UC. Supplier agrees not to claim any title to UC Marks or any right to use UC Marks except as permitted by this Appendix. Upon termination of this Appendix or the Agreement, all rights to UC Marks conveyed by UC to Supplier will cease and Supplier will destroy or return to UC all media with UC Marks. UC specifically reserves any and all rights to UC Marks not specifically granted to Supplier.

Supplier grants to UC the right to use Supplier's trademarks, logos, trade names, and service marks for the purpose of promoting UC eProcurement sites to the UC community. UC acknowledges Supplier's right, title, and interest in and to Supplier's Marks and Supplier's exclusive right to use and license the use of Supplier Marks and agrees not to claim any title to Supplier Marks or any right to use Supplier Marks except as permitted by this Appendix. UC will include all notices and legends with respect to Supplier trademarks, trade names, or copyrights as may be required by applicable trademark and copyright laws or which may be reasonably requested by Supplier. Upon termination of this Appendix, all rights to Supplier Marks conveyed by Supplier to UC will cease and UC will destroy or return to Supplier all media with Supplier Marks. Supplier specifically reserves any and all right to Supplier Marks not specifically granted to UC.

- (ii) The licenses granted in the previous paragraphs regarding UC Marks and Supplier Marks are subject to the ongoing approval of the party owning the respective trademarks, logos, trade names, or copyrights. Such ongoing approval includes the ability to terminate at any time, for any reason, and in the sole discretion of the owner of the respective trademarks, logos, trade names, or copyrights the trademark licenses provided in the preceding paragraphs for any particular trademark, logo, trade name, or copyrighted work without necessarily terminating this Appendix. Each party agrees not to take any action that will adversely reflect upon or damage the goodwill, reputation, or the brand value of the other party. Each party further agrees not to take any action that is inconsistent with the other party's ownership of the respective trademarks, trade names, or copyrights. At all times (including following termination of the Agreement), Supplier agrees to comply with Section 92000 of California's Education Code.
- (a) <u>Grant of License</u>. Supplier hereby grants UC a non-exclusive, royalty-free: (i) license to use, copy, transmit, and display the Catalog, any information contained therein and the Supplier Marks for the purposes of permitting Customers to access information about and order Supplier Goods and/or Services from a Catalog and (ii) if Supplier is using a Punch-out Catalog, right to link to and access the Punch-out Catalog on the Supplier Site, for the purposes of permitting Customers to access the Supplier Website and permitting Customers to order Supplier Goods and/or Services.
- (b) <u>Modifications</u>. UC will not modify or remove any of the proprietary rights markings in the Catalog. UC will not modify the content of the Catalog, except as indicated by Supplier, but may require Supplier to make and submit modifications if required as part of this agreement. However, for hosted catalogs, UC reserves the right to attach flags to catalog items as an aid to shoppers in selecting preferred items, such as green or recycled. UC will not make any representations or warranties, or provide any information, to any third party regarding any Supplier Goods and/or Services (including, but not limited to, any representations or warranties of any information regarding availability, delivery, pricing, characteristics, qualifications or specifications thereof). If UC believes in good faith that any Supplier information does not conform to the requirements of the associated UC Agreement or this Appendix,

UC will be entitled to withdraw the Catalog from UC eProcurement sites. In such a case, UC will promptly notify the Supplier of the actions it has taken and will work with the Supplier promptly to resolve UC's concerns. When UC's concerns are satisfactorily resolved UC will promptly restore the Catalog, if appropriate. UC will have no liability to the Supplier or anyone else for exercising these rights.

- (c) <u>Acknowledgment</u>. Each party acknowledges that the technology embodied in the other party's Site may be based on patented or patentable inventions, trade secrets, copyrights or other intellectual property or proprietary rights ("Intellectual Property Rights") owned by the other party and its applicable licensors.
- (d) <u>UC Rights</u>. As between the parties, UC will be the sole owner of or, with respect to any items licensed by UC, will retain all rights to all Intellectual Property Rights associated with UC eProcurement sites, including any modifications, updates, enhancements or upgrades to any of the foregoing, as well as any Order Data generated or collected on such site (collectively, the "UC Materials"). Except as provided herein, Supplier may not copy or use in any way, in whole or in part, any UC Materials without UC's prior written approval. Any permitted copies of such property, in whole or in part, alone or as part of a derivative work, will remain UC's sole property. Supplier agrees to reproduce and include UC's copyright, trademark and other proprietary rights notices on any permitted copies of UC Materials including, without limitation, partial copies and copied materials in derivative works. Supplier will not copy or reproduce any third-party copyrighted or trademarked materials, which appear on or are otherwise associated with any UC eProcurement site without UC's prior written consent.

SECTION 7 – MULTIPLE SUPPLIERS

Supplier acknowledges that all UC eProcurement sites are intended to facilitate Users' ability to obtain Goods and/or Services from more than one supplier. Nothing in this Appendix will be construed to prevent UC from entering into similar agreements with any third parties including, without limitation, suppliers that may be in competition with Supplier.

SECTION 8 – WARRANTY DISCLAIMER

UC does not warrant that access to UC eProcurement sites will be uninterrupted or that the results obtained by use of UC eProcurement sites will be error-free.

<u>SECTION 9 – DISPUTES AND CHANGES IN THE SERVICES</u>

- (a) UC and Supplier agree to negotiate in good faith to resolve problems, questions and disputes.
- (b) Where improvements and clarifications can be made in the business processes related to eProcurement, both parties agree to incorporate such changes as long as they are mutually agreed upon.

SECTION 10 – ADDITIONAL CONTRACTUAL TERMS

In addition to the provisions of Section 4, Section 10 provisions will govern the Catalogs. If the provisions of Sections 4 and 10 conflict, Section 10 will govern.

Type(s) of Catalog(s): At UC's campus discretion, Supplier is allowed to implement a Hosted or Punch-out catalog in the UC eProcurement systems. Supplier will be required to comply with UC Location e-commerce requirements on a location by location basis, which includes the decision to move forward with Punch-out or Hosted. Any deviation from the type(s) specified herein must first be agreed upon by UC's Contract Administrator.

Annual Number of Catalogs: Supplier is allowed to submit no more than 1 catalogs per calendar year, with changes as follows:

Content Additions, Deletions and Other Non-pricing Edits: Bi-annually

- Price Changes: Annually
 - o Allowable level of price change (\$/%) will be in accordance with the terms of this agreement.
 - o If a price file includes both content and pricing changes, it will count toward the pricing allocation.

Lead time: Supplier must load the Catalog price file into the e-Procurement system 10 working days prior to the planned go-live date. (Exception – for January 1 updates to enabled catalogs, Supplier must submit the price file no later than 5 weeks prior, as specified in section 4.)

- Number of catalog/price file versions to be supported for this agreement: 1
- Categories allowed within Catalog: all products meeting University of California specifications
- Categories blocked within Catalog: all products that fall below University of California specifications

001225-May2019 - University of

Questionnaire Name	Value Add
Questionnaire Description	Payment, Rebate, Recycling & Cost Evaluation
Skip Evaluation	No

SECTION NAME	QUESTION NUMBER	QUESTION TITLE	MILLIKEN & COMPANY
	1	Please describe how your company can help offset the cost associated with AB2398 whether through discount, exchange, or recycling credits.	We will discount all product orders by \$.35 to cover incurred and offset incurred cost associated with AB2398.
	2	Please outline rebate or volume incentives you are willing to provide the University.	Milliken is offering the University best prices without rebate or volume incentives required.
-	3	Please indicate your preferred invoice delivery method.	Traditional Invoice in Paper or Email Format

-	Please indicate your preferred payment and settlement terms	ACH Net 60
-	What additional services, not outlined within this solicitation, can your company provide in delivering greater value to the University?	Technical Design Services as shown in the attached.
	How can your organization support the educational, research, and career development initiatives of our campus communities?	Upon request, conduct seminars on transformational change as it relates to large manufacturing company's and how we at Milliken approach education, research, and career initiatives on college campuses. We also continue to host educational conferences at our headquarters Milliken University.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

NEW JERSEY BUSINESS COMPLIANCE

Suppliers intending to do business in the State of New Jersey must comply with policies and procedures required under New Jersey statues. All offerors submitting proposals must complete the following forms specific to the State of New Jersey. Completed forms should be submitted with the offeror's response to the RFP. Failure to complete the New Jersey packet will impact OMNIA Partners' ability to promote the Master Agreement in the State of New Jersey.

DOC #1	Ownership Disclosure Form
DOC #2	Non-Collusion Affidavit
DOC #3	Affirmative Action Affidavit
DOC #4	Political Contribution Disclosure Form
DOC #5	Stockholder Disclosure Certification
DOC #6	Certification of Non-Involvement in Prohibited Activities in Iran
DOC #7	New Jersey Business Registration Certificate

New Jersey suppliers are required to comply with the following New Jersey statutes when applicable:

- all anti-discrimination laws, including those contained in N.J.S.A. 10:2-1 through N.J.S.A. 10:2-14, N.J.S.A. 10:5-1, and N.J.S.A. 10:5-31 through 10:5-38;
- Prevailing Wage Act, N.J.S.A. 34:11-56.26, for all contracts within the contemplation of the Act:
- Public Works Contractor Registration Act, N.J.S.A. 34:11-56.26; and
- Bid and Performance Security, as required by the applicable municipal or state statutes.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC#1

OWNERSHIP DISCLOSURE FORM (N.J.S. 52:25-24.2)

Pursuant to the requirements of P.L. 1999, Chapter 440 effective April 17, 2000 (Local Public Contracts Law), the offeror shall complete the form attached to these specifications listing the persons owning 10 percent (10%) or more of the firm presenting the proposal.

Company Name:	Milliken Services, LLC	
Street: 920 N	Ailliken Road, M-620	
City, State, Zip Cod	e: Spartanburg, SC 29303	
Complete as approp	riate:	
I	, certify	that I am the sole owner of
	, that there ar	re no partners and the business is not
incorporated, and the	e provisions of N.J.S. 52:25-24.2 do n	not apply.
	OR:	N A S
$I_{\underline{\hspace{1cm}}}$, a partn	ner in, do hereby
certify that the follow	ring is a list of all individual partners	s who own a 10% or greater interest therein. I
further certify that if	one (1) or more of the partners is itse	elf a corporation or partnership, there is also set
		g 10% or more of that corporation's stock or the
individual partners o	wning 10% or greater interest in that	t partnership.
Al Carter	OR:	
1		thorized representative of
		tify that the following is a list of the names and
		10% or more of its stock of any class. I further
certify that if one (1)	or more of such stockholders is itself	f a corporation or partnership, that there is also set
		g 10% or more of the corporation's stock or the
inaiviauai pariners o	wning a 10% or greater interest in th	iai parinersnip.
(Notes If there are n	o nautnaus ar staakhaldars awning	g 10% or more interest, indicate none.)
	Address	Interest
Name		
Milliken Design, I		Road, M-620 100% Member of Milliken Services, LLC
P2	Spartanburg,	, SC 29303
Milliken & Compa	any Same	100% Stockholder of Milliken Design, Inc.
I further certify that my knowledge and be		ained herein, are complete and correct to the best of
8/9/2019		at Ct Director of Strategic Accounts
Date		Authorized Signature and Title

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC #2

NON-COLLUSION AFFIDAVIT

Company Name: Milliken Services LLC Street: 920 Milliken Road, M-620 City, State, Zip Code: Spartanburg, SC 29303 State of South Carolina	
County of Spartanburg Al Carter Director of Strategic Accounts for Milliken Service I, of the Name City	es, LLC located in Spartanburg
in the County of Spartanburg , State of, State of, of full age, being duly sworn according to law on my oath of,	
I am the Director of Strategic Accounts of the firm of Millike	on Services, LLC Company Name
the Offeror making the Proposal for the goods, services or proposal, and that I executed the said proposal with full authorized or indirectly entered into any agreement, participate any action in restraint of free, competitive bidding in connectal statements contained in said proposal and in this affidave full knowledge that relies upon the truth of the statements statements contained in this affidavit in awarding the contract work.	ed in any collusion, or otherwise taken ction with the above proposal, and that it are true and correct, and made with contained in said proposal and in the ct for the said goods, services or public
I further warrant that no person or selling agency has been essuch contract upon an agreement or understanding for a contingent fee, except bona fide employees or bona fide esta maintained by Milliken Services, LLC Company Name	commission, percentage, brokerage or
Subscribed and sworn before me this	PUBLIC PUBLIC TH CAROLINA

Requirements for National Cooperative Contract Page 28 of 44

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC#3

AFFIRMATIVE ACTION AFFIDAVIT (P.L. 1975, C.127)

Company Name: Milliken Services, LLC	
Street: 920 Milliken Road, M-620	
City, State, Zip Code: Spartanburg, SC 29	9303
Proposal Certification:	
	w Jersey Affirmative Action regulations. Company's not in compliance at this time. No contract and/or l Affirmative Action requirements are met.
Required Affirmative Action Evidence:	
Procurement, Professional & Service Contracts Vendors must submit with proposal:	(Exhibit A)
1. A photo copy of their <u>Federal 1</u>	Letter of Affirmative Action Plan Approval
OR	
2. A photo copy of their <u>Certification</u> OR	te of Employee Information Report
3. A complete Affirmative Action	n Employee Information Report (AA302)
Public Work - Over \$50,000 Total Project C	ost:
A. No approved Federal or New Jersey Affirm	ative Action Plan. We will complete Report Form
AA201-A upon receipt from the	
B. Approved Federal or New Jersey Plan – cer	tificate enclosed
the best of my knowledge and belief.	nation contained herein, are complete and correct to
8/9/2019 Date	Authorized Signature and Title

PB-AAF.1 R5/26/09

Affirmative Action Supplement

AFFRIMATIVE ACTION	Term Contract - Advertised Bid Proposal				
Department of the Treasury	Bid Number:	001225-May			
Division of Purchase & Property					
State of New Jersey	Bidder:	Milliken Services, LLC			
33 W. State St., 9th Floor					
PO Box 230					
Trenton, New Jersey 08625-0230					

EXHIBIT A MANDATORY EQUAL EMPLOYMENT OPPORTUNITY LANGUAGE N.J.S.A. 10:5-31 et seq. (P.L. 1975, C. 127) N.J.A.C. 17:27 GOODS, PROFESSIONAL SERVICE AND GENERAL SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Except with respect to affectional or sexual orientation and gender identity or expression, the contractor will ensure that equal employment opportunity is afforded to such applicants in recruitment and employment, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex. Such equal employment opportunity shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this nondiscrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex.

The contractor or subcontractor, where applicable, will send to each labor union or representative or workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to N.J.S.A. 10:5-31 et seq., as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to make good faith efforts to afford equal employment opportunities to minority and women workers consistent with Good faith efforts to meet targeted county employment goals established in accordance with N.J.A.C. I7:27-5.2, or Good faith efforts to meet targeted county employment goals determined by the Division, pursuant to N.J.A.C. 17:27-5.2.

The contractor or subcontractor agrees to inform in writing its appropriate recruitment agencies including, but not limited to, employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of its testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the State of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

In conforming with the targeted employment goals, the contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and layoff to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, affectional or sexual orientation, gender identity or expression, disability, nationality or sex, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor shall submit to the public agency, after notification of award but prior to execution of a goods and services contract, one of the following three documents:

Letter of Federal Affirmative Action Plan Approval

Certificate of Employee Information Report

Employee Information Report Form AA302

The contractor and its subcontractors shall furnish such reports or other documents to the Division of Public Contracts Equal Employment Opportunity Compliance as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Division of Public Contracts Equal Employment Opportunity Compliance for conducting a compliance investigation pursuant to <u>Subchapter 10</u> of the Administrative Code at N.J.A.C. 17:27.

* NO FIRM MAY BE ISSUED A PURCHASE ORDER OR CONTRACT WITH THE STATE UNLESS THEY COMPLY WITH THE AFFIRMATIVE ACTION REGULATIONS

PLEASE CHECK APPROPRIATE BOX (ONE ONLY)									
☐ I HAVE A CURRENT NEW JERSEY AFFIRMATIVE ACTION CERTIFICATE, (PLEASE ATTACH A COPY TO YOUR PROPOSAL)									
I HAVE A VALID FEDERAL AFFIRMATIVE ACTION PLAN APPROVAL LETTER, (PLEASE ATTACH A COPY TO YOUR PROPO	SAL).								
I HAVE COMPLETED THE ENCLOSED FORM AA302 AFFIRMATIVE ACTION EMPLOYEE INFORMATION REPORT.									

INSTRUCTIONS FOR COMPLETING THE **EMPLOYEE INFORMATION REPORT (FORM AA302)**

IMPORTANT: READ THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE COMPLETING THE FORM. PRINT OR TYPE ALL INFORMATION. FAILURE TO PROPERLY COMPLETE THE ENTIRE FORM AND TO SUBMIT THE REQUIRED \$150.00 NON-REFUNDABLE FEE MAY DELAY ISSUANCE OF YOUR CERTIFICATE. IF YOU HAVE A CURRENT CERTIFICATE OF EMPLOYEE INFORMATION REPORT, DO NOT COMPLETE THIS FORM UNLESS YOUR ARE RENEWING A CERTIFICATE THAT IS DUE FOR EXPIRATION. DO NOT COMPLETE THIS FORM FOR CONSTRUCTION CONTRACT AWARDS.

- ITEM 1 Enter the Federal Identification Number assigned by ITEM 11 Enter the appropriate figures on all lines and in all the Internal Revenue Service, or if a Federal Employer Identification Number has been applied for, or if your business FROM THE FACILITY THAT IS BEING AWARDED THE is such that you have not or will not receive a Federal Employer Identification Number, enter the Social Security Number of the owner or of one partner, in the case of a partnership.
- ITEM 2 Check the box appropriate to your TYPE OF BUSINESS. If you are engaged in more than one type of business check the predominate one. If you are a manufacturer deriving more than 50% of your receipts from your own retail outlets, check "Retail".
- ITEM 3 Enter the total "number" of employees in the entire company, including part-time employees. This number shall include all facilities in the entire firm or corporation.
- ITEM 4 Enter the name by which the company is identified. If there is more than one company name, enter the predominate one
- ITEM 5 Enter the physical location of the company. Include City, County, State and Zip Code.
- ITEM 6 Enter the name of any parent or affiliated company including the City, County, State and Zip Code. If there is none, so indicate by entering "None" or N/A.
- ITEM 7 Check the box appropriate to your type of company establishment. "Single-establishment Employer" shall include an employer whose business is conducted at only one physical location. "Multi-establishment Employer" shall include an employer whose business is conducted at more than one location.
- ITEM 8 If "Multi-establishment" was entered in item 8, enter the number of establishments within the State of New Jersev.
- ITEM 9 Enter the total number of employees at the establishment being awarded the contract.
- ITEM 10 Enter the name of the Public Agency awarding the contract. Include City, County, State and Zip Code. This is not applicable if you are renewing a current Certificate.

columns. THIS SHALL ONLY INCLUDE EMPLOYMENT DATA CONTRACT. DO NOT list the same employee in more than one job category. DO NOT attach an EEO-1 Report.

Racial/Ethnic Groups will be defined:

Black: Not of Hispanic origin. Persons having origin in any of the Black racial groups of Africa.

Hispanic: Persons of Mexican, Puerto Rican, Cuban, or Central or South American or other Spanish culture or origin, regardless of race

American Indian or Alaskan Native: Persons having origins in any of the original peoples of North America, and who maintain cultural identification through tribal affiliation or community recognition.

Asian or Pacific Islander: Persons having origin in any of the original peoples of the Far East, Southeast Asia, the Indian Sub-continent or the Pacific Islands. This area includes for example, China, Japan, Korea, the Phillippine Islands and

Non-Minority: Any Persons not identified in any of the aforementioned Racial/Ethnic Groups

- ITEM 12 Check the appropriate box. If the race or ethnic group information was not obtained by 1 or 2, specify by what other means this was done in 3.
- ITEM 13 Enter the dates of the payroll period used to prepare the employment data presented in Item 12.
- ITEM 14 If this is the first time an Employee Information Report has been submitted for this company, check block
- ITEM 15 If the answer to Item 15 is "No", enter the date when the last Employee Information Report was submitted by
- ITEM 16 Print or type the name of the person completing the form. Include the signature, title and date.
- ITEM 17 Enter the physical location where the form is being completed. Include City, State, Zip Code and Phone Number.

TYPE OR PRINT IN SHARP BALL POINT PEN

THE VENDOR IS TO COMPLETE THE EMPLOYEE INFORMATION REPORT FORM (AA302) AND RETAIN A COPY FOR THE VENDOR'S OWN FILES. THE VENDOR SHOULD ALSO SUBMIT A COPY TO THE PUBLIC AGENCY AWARDING THE CONTRACT IF THIS IS YOUR FIRST REPORT; AND FORWARD ONE COPY WITH A CHECK IN THE AMOUNT OF \$150.00 PAYABLE TO THE TREASURER, STATE OF NEW JERSEY (FEE IS NON-REFUNDABLE) TO:

NJ Department of the Treasury **Division of Public Contracts Equal Employment Opportunity Compliance** P.O. Box 206

Trenton, New Jersey 08625-0206

Telephone No. (609) 292-5473

State of New Jersey

Division of Public Contracts Equal Employment Opportunity Compliance

EMPLOYEE INFORMATION REPORT

IMPORTANT- READ INSTRUCTIONS ON BACK OF FORM CAREFULLY BEFORE COMPLETING FORM. TYPE OR PRINT IN SHARP BALLPOINT PEN. FAILURE TO PROPERLY COMPLETE THE ENTIRE FORM AND SUBMIT THE REQUIRED \$150.00 FEE MAY DELAY ISSUANCE OF YOUR CERTIFICATE. DO NOT SUBMIT FEQ.1 REPORT FOR SECTION B. ITEM 11

CERTIFICATE. DO N	OT SUBMI	T EEO-	1 REPORT	FOR SE	CTION B,	ITEM 11							
			SEC	TION	A - CON	IPANY	IDENT	IFICA	TION				
1. FID. NO. OR SOCIA 13-2583088	2. TYPE OF BUSINESS							OTAL NO.	OF EMPLO	OYEES IN T	HE ENTIRI	E COMPAN)	
4. COMPANY NAME Milliken Services, L	LC							-					
5. STREET					С	ITY		COU	NTY		STATE	ZIP C	ODE
920 Milliken Road					S	Spartanbu	ırg	Spa	rtanburg		SC	2930	03
6. NAME OF PARENT OR AFFILIATED COMPANY (IF NONE, SO INDICATE) Milliken Design, INC						CIT\ Spa	′ artanburg		STATE SC	ZIP 0 2930			
7. CHECK ONE: IS THI	E COMPANY:		SI	NGLE-ES	ΓABLISHME	NT EMPLO	YER	√	MULTI-ES	STABLISH	MENT EMPL	OYER	
8. IF MULTI-ESTABLIS	HMENT EMP	LOYER,	STATE THE	NUMBER	OF ESTAB	LISHMENT	S IN NJ		None				
9. TOTAL NUMBER OF	EMPLOYEES	AT EST	ABLISHME	NT WHICH	H HAS BEEN	N AWARDE	D THE CO	NTRACT	16				
10. PUBLIC AGENCY A	WARDING C	ONTRAC	т		С	ITY		COU	NTY		STATE	ZIP C	ODE
To be determined b	y contract	award	(Bidding	in Proce	ss)								
Official Use Only				ATE RECI	EIVED	INAUG	DATE	ASSIC	SNED CERT	IFICATIO	N NUMBER		
					ON B -								
11. Report all permane Where there are no en 1, 2, & 3. DO NOT SU	nployees in a	a particu	lar catego	mployees ry, enter a	ON YOUR a zero. Incli	OWN PAYF ude ALL er	ROLL. Ente mployees,	er the appr not just th	opriate fig	ures on a ority/non	II lines and -minority ca	in all colui ategories,	mns. in columns
					ı	PERMANEN	T MINORIT	Y/NON-MI	NORITY EN	IPLOYEE E	REAKDOWN	ı	
JOB	All E	mploye	ees	*****	******	* MALE *	******	******	****** *******************************				*****
Categories	Total (Cols. 2 & 3)	COL. 2 MALE	COL. 3 FEMALE	Black	Hispanic	Amer. Indian	Asian	Non Min	Black	Hispanio	Amer. Indian	Asian	Non Min
Officials/Managers	8	6	2	0	0	0	0	6	0	0	0	0	2
Professionals	1	1	0	1	0	0	0	0	0	0	0	0	0
Technicians	2	0	2	0	0	0	0	0	0	0	0	0	2
Sales Workers	4	2	2	1	0	0	0	1	0	0	0	0	2
Office & Clerical	1	0	1	0	0	0	0	0	0	0	0	0	1
Craftworkers (Skilled)	0	0	0	0	0	0	0	0	0	0	0	0	0
Operatives (Semi-Skilled)	0	0	0	0	0	0	0	0	0	0	0	0	0
Laborers (Unskilled)	0	0	0	0	0	0	0	0	0	0	0	0	0
Service Workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	9	7	2	2	0	0	1	0	0	0	0	5
Total employment From previous Report (if any)													
Temporary & Part		,	The data	below sh	all NOT be	included ir	the figure	es for the	appropriate	e categori	es above.		•
Time Employees													
12. HOW WAS INFO EEO-1	RMATION AS	S TO RA	CE OR ETH	NIC GRO	JP IN SECT	ION B OB	L ΓAINED?	Employ	14. IS THIS THE FIRST Employee Information Report Submitted?				
13. DATES OF PAYROFFROM:	OLL PERIOD 7/15/19		TO:	8/11	/19			✓ YES	_	NO			
		SI	ECTION	IC-S	IGNAT	JRE AN	ID IND	ENTIF	ICATIO	ON			
16. NAME OF PERSO	N COMPLET	ING FOR	RM (Print o	r Type)	S	IGNATURE			TITLE			DATE	=
Katherine Corbin					Katherine	e Corbin		HR Compliance Manager 8/9/19				9	
	17. ADDRESS NO. & STREET CITY COUNTY 920 Milliken Road Spartanburg Spartanburg						STATE ZIP CODE PHONE, AREA CODE, NO. SC 29303 864-503-2276				E, NO.		

I certify that the information on this form is true an correct.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC #3, continued

P.L. 1995, c. 127 (N.J.A.C. 17:27) MANDATORY AFFIRMATIVE ACTION LANGUAGE

PROCUREMENT, PROFESSIONAL AND SERVICE CONTRACTS

During the performance of this contract, the contractor agrees as follows:

The contractor or subcontractor, where applicable, will not discriminate against any employee or applicant for employment because of age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. The contractor will take affirmative action to ensure that such applicants are recruited and employed, and that employees are treated during employment, without regard to their age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation. Such action shall include, but not be limited to the following: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the Public Agency Compliance Officer setting forth provisions of this non-discrimination clause.

The contractor or subcontractor, where applicable will, in all solicitations or advertisement for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to age, race, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation.

The contractor or subcontractor, where applicable, will send to each labor union or representative of workers with which it has a collective bargaining agreement or other contract or understanding, a notice, to be provided by the agency contracting officer advising the labor union or workers' representative of the contractor's commitments under this act and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

The contractor or subcontractor, where applicable, agrees to comply with any regulations promulgated by the Treasurer pursuant to P.L. 1975, c. 127, as amended and supplemented from time to time and the Americans with Disabilities Act.

The contractor or subcontractor agrees to attempt in good faith to employ minority and female workers trade consistent with the applicable county employment goal prescribed by N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, C.127, as amended and supplemented from time to time or in accordance with a binding determination of the applicable county employment goals determined by the Affirmative Action Office pursuant to N.J.A.C. 17:27-5.2 promulgated by the Treasurer pursuant to P.L. 1975, C.127, as amended and supplemented from time to time.

The contractor or subcontractor agrees to inform in writing appropriate recruitment agencies in the area, including employment agencies, placement bureaus, colleges, universities, labor unions, that it does not discriminate on the basis of age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and that it will discontinue the use of any recruitment agency which engages in direct or indirect discriminatory practices.

The contractor or subcontractor agrees to revise any of it testing procedures, if necessary, to assure that all personnel testing conforms with the principles of job-related testing, as established by the statutes and court decisions of the state of New Jersey and as established by applicable Federal law and applicable Federal court decisions.

The contractor or subcontractor agrees to review all procedures relating to transfer, upgrading, downgrading and lay-off to ensure that all such actions are taken without regard to age, creed, color, national origin, ancestry, marital status, sex, affectional or sexual orientation, and conform with the applicable employment goals, consistent with the statutes and court decisions of the State of New Jersey, and applicable Federal law and applicable Federal court decisions.

The contractor and its subcontractors shall furnish such reports or other documents to the Affirmative Action Office as may be requested by the office from time to time in order to carry out the purposes of these regulations, and public agencies shall furnish such information as may be requested by the Affirmative Action Office for conducting a compliance investigation pursuant to Subchapter 10 of the Administrative Code (NJAC 17:27).

Signature of Procurement Agent

OMNIA PARTNERS EXHIBITS EXHIBIT G-NEW JERSEY BUSINESS COMPLIANCE

DOC#4

C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM Public Agency Instructions

This page provides guidance to public agencies entering into contracts with business entities that are required to file Political Contribution Disclosure forms with the agency. **It is not intended to be provided to contractors.** What follows are instructions on the use of form local units can provide to contractors that are required to disclose political contributions pursuant to N.J.S.A. 19:44A-20.26 (P.L. 2005, c. 271, s.2). Additional information on the process is available in Local Finance Notice 2006-1 (http://www.nj.gov/dca/divisions/dlgs/resources/lfns_2006.html). Please refer back to these instructions for the appropriate links, as the Local Finance Notices include links that are no longer operational.

- 1. The disclosure is required for all contracts in excess of \$17,500 that are **not awarded** pursuant to a "fair and open" process (N.J.S.A. 19:44A-20.7).
- 2. Due to the potential length of some contractor submissions, the public agency should consider allowing data to be submitted in electronic form (i.e., spreadsheet, pdf file, etc.). Submissions must be kept with the contract documents or in an appropriate computer file and be available for public access. The form is worded to accept this alternate submission. The text should be amended if electronic submission will not be allowed.
- 3. The submission must be **received from the contractor and** on file at least 10 days prior to award of the contract. Resolutions of award should reflect that the disclosure has been received and is on file.
- 4. The contractor must disclose contributions made to candidate and party committees covering a wide range of public agencies, including all public agencies that have elected officials in the county of the public agency, state legislative positions, and various state entities. The Division of Local Government Services recommends that contractors be provided a list of the affected agencies. This will assist contractors in determining the campaign and political committees of the officials and candidates affected by the disclosure.
 - a. The Division has prepared model disclosure forms for each county. They can be downloaded from the "County PCD Forms" link on the Pay-to-Play web site at http://www.nj.gov/dca/divisions/dlgs/programs/lpcl.html#12. They will be updated from time-to-time as necessary.
 - b. A public agency using these forms should edit them to properly reflect the correct legislative district(s). As the forms are county-based, they list all legislative districts in each county. Districts that do not represent the public agency should be removed from the lists.
 - c. Some contractors may find it easier to provide a single list that covers all contributions, regardless of the county. These submissions are appropriate and should be accepted.
 - d. The form may be used "as-is", subject to edits as described herein.
 - e. The "Contractor Instructions" sheet is intended to be provided with the form. It is recommended that the Instructions and the form be printed on the same piece of paper. The form notes that the Instructions are printed on the back of the form; where that is not the case, the text should be edited accordingly.
 - f. The form is a Word document and can be edited to meet local needs, and posted for download on web sites, used as an e-mail attachment, or provided as a printed document.
- 5. It is recommended that the contractor also complete a "Stockholder Disclosure Certification." This will assist the local unit in its obligation to ensure that contractor did not make any prohibited contributions to the committees listed on the Business Entity Disclosure Certification in the 12 months prior to the contract (See Local Finance Notice 2006-7 for additional information on this obligation at http://www.nj.gov/dca/divisions/dlgs/resources/lfns_2006.html). A sample Certification form is part of this package and the instruction to complete it is included in the Contractor Instructions. NOTE: This section is not applicable to Boards of Education.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

Doc #4, continued C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM

Contractor Instructions

Business entities (contractors) receiving contracts from a public agency that are NOT awarded pursuant to a "fair and open" process (defined at N.J.S.A. 19:44A-20.7) are subject to the provisions of P.L. 2005, c. 271, s.2 (N.J.S.A. 19:44A-20.26). This law provides that 10 days prior to the award of such a contract, the contractor shall disclose contributions to:

- any State, county, or municipal committee of a political party
- any legislative leadership committee*
- any continuing political committee (a.k.a., political action committee)
- any candidate committee of a candidate for, or holder of, an elective office:
 - o of the public entity awarding the contract
 - o of that county in which that public entity is located
 - o of another public entity within that county
 - o or of a legislative district in which that public entity is located or, when the public entity is a county, of any legislative district which includes all or part of the county

The disclosure must list reportable contributions to any of the committees that exceed \$300 per election cycle that were made during the 12 months prior to award of the contract. See N.J.S.A. 19:44A-8 and 19:44A-16 for more details on reportable contributions.

N.J.S.A. 19:44A-20.26 itemizes the parties from whom contributions must be disclosed when a business entity is not a natural person. This includes the following:

- individuals with an "interest" ownership or control of more than 10% of the profits or assets of a business entity or 10% of the stock in the case of a business entity that is a corporation for profit
- all principals, partners, officers, or directors of the business entity or their spouses
- any subsidiaries directly or indirectly controlled by the business entity
- IRS Code Section 527 New Jersey based organizations, directly or indirectly controlled by the business entity
 and filing as continuing political committees, (PACs).

When the business entity is a natural person, "a contribution by that person's spouse or child, residing therewith, shall be deemed to be a contribution by the business entity." [N.J.S.A. 19:44A-20.26(b)] The contributor must be listed on the disclosure.

Any business entity that fails to comply with the disclosure provisions shall be subject to a fine imposed by ELEC in an amount to be determined by the Commission which may be based upon the amount that the business entity failed to report.

The enclosed list of agencies is provided to assist the contractor in identifying those public agencies whose elected official and/or candidate campaign committees are affected by the disclosure requirement. It is the contractor's responsibility to identify the specific committees to which contributions may have been made and need to be disclosed. The disclosed information may exceed the minimum requirement.

The enclosed form, a content-consistent facsimile, or an electronic data file containing the required details (along with a signed cover sheet) may be used as the contractor's submission and is disclosable to the public under the Open Public Records Act.

The contractor must also complete the attached Stockholder Disclosure Certification. This will assist the agency in meeting its obligations under the law. **NOTE: This section does not apply to Board of Education contracts.**

* N.J.S.A. 19:44A-3(s): "The term "legislative leadership committee" means a committee established, authorized to be established, or designated by the President of the Senate, the Minority Leader of the Senate, the Speaker of the General Assembly or the Minority Leader of the General Assembly pursuant to section 16 of P.L.1993, c.65 (C.19:44A-10.1) for the purpose of receiving contributions and making expenditures."

OMNIA PARTNERS EXHIBITS

Doc #4, continued

EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

C. 271 POLITICAL CONTRIBUTION DISCLOSURE FORM

Required Pursuant to N.J.S.A. 19:44A-20.26

This form or i no late	ts permitted facsimile er than 10 days prior to	the award of the	ne contract.	unit
Part I – Vendor Information	n			
Vendor Name:			10.000	
Address:				
City:	State:	Zip:		
The undersigned being authorized compliance with the provisions of a companying this form.	ed to certify, hereby cert of <u>N.J.S.A.</u> 19:44A-20.	ifies that the subi 26 and as repres	mission provide ented by the Ins	ed nerein represents structions
Signature	Printed Name	Title		
Part Disclosure requirement: Pur political contributions (more	rsuant to N.J.S.A. 19:4	4A-20 26 this d	lisclosure mus	t include all reportable
political contributions (more	and antition listed o	n the form prov	ided by the lo	cal unit.
the committees of the govern				
		form	Date	Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
☐ Check here if disclosure is	provided in electronic	form		Dollar Amount
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☐ Check here if disclosure is	provided in electronic	form		Dollar Amount

Requirements for National Cooperative Contract Page 33 of 44

Doc #4, continued

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

List of Agencies with Elected Officials Required for Political Contribution Disclosure N.J.S.A. 19:44A-20.26

County Name:

State: Governor, and Legislative Leadership Committees

Legislative District #s:

State Senator and two members of the General Assembly per district.

County:

Freeholders

County Clerk

Sheriff

{County Executive}

Surrogate

Municipalities (Mayor and members of governing body, regardless of title):

USERS SHOULD CREATE THEIR OWN FORM, OR DOWNLOAD FROM THE PAY TO PLAY SECTION OF THE DLGS WEBSITE A COUNTY-BASED, CUSTOMIZABLE FORM.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC #5

STOCKHOLDER DISCLOSURE CERTIFICATION

name of Business:	
I certify that the list below contains the nam holding 10% or more of the issued and outst	
I certify that no one stockholder owns 10% the undersigned.	or more of the issued and outstanding stock of
Check the box that represents the type of busine	ss organization:
Partnership Corporation	Sole Proprietorship
Limited Partnership	Corporation Limited Liability Partnership
Subchapter S Corporation	
Sign and notarize the form below, and, if necessa	ry, complete the stockholder list below.
Stockholders:	
Name: Milliken Design, Inc.	Name:
Home Address: 920 Milliken Road Spartanburg, SC 29303	Home Address:
Name:	Name:
Home Address:	Home Address:
Name:	Name:
Home Address:	Home Address:
Subscribed and sworn before me this 1 day of August, 2D19 (Notary Public) Deblue K. Heerford	(Affiant) Al Carter, Director of Strategic Accounts (Print name & title of affiant)
My Commission expires: 10/24/2021	
William I a la l	(Corporate Seal)

Requirements for National Cooperative Contract Page 35 of 44

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC #6

Certification of Non-Involvement in Prohibited Activities in Iran

Pursuant to N.J.S.A. 52:32-58, Offerors must certify that neither the Offeror, nor any of its parents, subsidiaries, and/or affiliates (as defined in N.J.S.A. 52:32-56(e) (3)), is listed on the Department of the Treasury's List of Persons or Entities Engaging in Prohibited Investment Activities in Iran and that neither is involved in any of the investment activities set forth in N.J.S.A. 52:32-56(f).

Offerors wishing to do business in New Jersey through this contract must fill out the Certification of Non-Involvement in Prohibited Activities in Iran here: http://www.state.nj.us/humanservices/dfd/info/standard/fdc/disclosure_investmentact.pdf.

Offerors should submit the above form completed with their proposal.

OMNIA PARTNERS EXHIBITS EXHIBIT G- NEW JERSEY BUSINESS COMPLIANCE

DOC #7

NEW JERSEY BUSINESS REGISTRATION CERTIFICATE (N.J.S.A. 52:32-44)

Offerors wishing to do business in New Jersey must submit their State Division of Revenue issued Business Registration Certificate with their proposal here. Failure to do so will disqualify the Offeror from offering products or services in New Jersey through any resulting contract.

http://www.state.nj.us/treasury/revenue/forms/njreg.pdf

STATE OF NEW JERSEY -- DIVISION OF PURCHASE AND PROPERTY DISCLOSURE OF INVESTMENT ACTIVITIES IN IRAN

Quote Number: 001225-May2019 Bidder/Offeror: Milliken Services, LLC

PART 1: CERTIFICATION BIDDERS MUST COMPLETE PART 1 BY CHECKING EITHER BOX. FAILURE TO CHECK ONE OF THE BOXES WILL RENDER THE PROPOSAL NON-RESPONSIVE.

con sub in Ir mus non by I	tract must comp sidiaries, or affil ran. The Chapt st review this li I-responsive. It aw, rule or con	plete the certification below to attest, iates, is identified on the Department of the 25 list is found on the Division's wast prior to completing the below certifulation to the Director finds a person or entity to	y that submits a bid or proposal or otherwise proposes to enter into or renew a under penalty of perjury, that neither the person or entity, nor any of its parents, if Treasury's Chapter 25 list as a person or entity engaging in investment activities rebsite at http://www.state.nj.us/treasury/purchase/pdf/Chapter25List.pdf . Bidders ication. Failure to complete the certification will render a bidder's proposal to be in violation of law, s/he shall take action as may be appropriate and provided using sanctions, seeking compliance, recovering damages, declaring the party in
PLEA	SE CHECK T	HE APPROPRIATE BOX:	
✓	subsidiaries activities in I or representa	s, or affiliates is <u>listed</u> on the N.J. De ran pursuant to P.L. 2012, c. 25 ("Cha	5, that neither the bidder listed above nor any of the bidder's parents, partment of the Treasury"s list of entities determined to be engaged in prohibited pter 25 List"). I further certify that I am the person listed above, or I am an officer authorized to make this certification on its behalf. I will skip Part 2 and sign and
	OR		
	the Departn	nent's Chapter 25 list. I will provide nd complete the Certification belo	Ider and/or one or more of its parents, subsidiaries, or affiliates is listed on a detailed, accurate and precise description of the activities in Part 2 below w. Failure to provide such will result in the proposal being rendered as non-sanctions will be assessed as provided by law.
THO	You must pro subsidia	ovide a detailed, accurate and precise of aries or affiliates, engaging in the inves VILL PROMPT YOU TO PROVIDE INF WERS TO EACH QUESTION. IF YOU	description of the activities of the bidding person/entity, or one of its parents, street activities in Iran outlined above by completing the boxes below. ORMATION RELATIVE TO THE ABOVE QUESTIONS. PLEASE PROVIDE INCED TO MAKE ADDITIONAL ENTRIES, CLICK THE "ADD AN ADDITIONAL INVITIES ENTRY" BUTTON.
N	lame		Relationship to Bidder/Offeror
	escription of Ac	ctivities	
	uration of Enga	gement	Anticipated Cessation Date
В	idder/Offeror Co	ontact Name	Contact Phone Number
	ADD AN A	ADDITIONAL ACTIVITIES ENTRY	
my known acknown obligation answer this central my aguinenfold	owledge are true wledge that the tion from the dat rs of information rtification, and i reement(s) with orceable.	e and complete. I attest that I am autho State of New Jersey is relying on the te of this certification through the complet contained herein. I acknowledge that I If I do so, I recognize that I am subject to the State of New Jersey and that the S	ent and state that the foregoing information and any attachments thereto to the best of rized to execute this certification on behalf of the above-referenced person or entity. I information contained herein and thereby acknowledge that I am under a continuing etion of any contracts with the State to notify the State in writing of any changes to the am aware that it is a criminal offense to make a false statement or misrepresentation in a criminal prosecution under the law and that it will also constitute a material breach of tate at its option may declare any contract(s) resulting from this certification void and
Full N	ame (Print):	Al Carter	Signature: M C J
Title:	Director of	f Strategic Accounts	Date: 8/9/219
DDD C	tondoud Fare	Packet 11/2013	
DEL 2	Lanual u FUITIS	racket 11/2013	

OMNIA PARTNERS EXHIBITS EXHIBIT F- FEDERAL FUNDS CERTIFICATIONS

FEDERAL CERTIFICATIONS

ADDENDUM FOR AGREEMENT FUNDED BY U.S. FEDERAL GRANT

TO WHOM IT MAY CONCERN:

Participating Agencies may elect to use federal funds to purchase under the Master Agreement. This form should be completed and returned with proposal.

The following certifications and provisions may be required and apply when a Participating Agency expends federal funds for any purchase resulting from this procurement process. Pursuant to 2 C.F.R. § 200.326, all contracts, including small purchases, awarded by the Participating Agency and the Participating Agency's subcontractors shall contain the procurement provisions of Appendix II to Part 200, as applicable.

are 200, ao appiroasio.		
APPENDIX II TO 2 CFR PART 200		
amount determined by the Civilian A as authorized by 41 U.S.C. 1908,	gency Acquisition (must address ad	threshold currently set at \$150,000, which is the inflation adjusted Council and the Defense Acquisition Regulations Council (Councils) Iministrative, contractual, or legal remedies in instances where de for such sanctions and penalties as appropriate.
Pursuant to Federal Rule (A) above, whand privileges under the applicable law party.	nen a Participating A <i>i</i> s and regulations wi	gency expends federal funds, the Participating Agency reserves all rights th respect to this procurement in the event of breach of contract by either
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
(B) Termination for cause and for deffected and the basis for settlement	convenience by the	e grantee or subgrantee including the manner by which it will be xcess of \$10,000)
to immediately terminate any agreemed default of the agreement by Offeror in the specified in the procurement solicitation in accordance with the contract and/or contract immediately, with written notice in the best interest of Participating Agracepted by Participating Agency as of award under this procurement process	ent in excess of \$10, the event Offeror fail in, contract, and/or a r the procurement so be to offeror, for congency to do so. Offer the termination date is not exclusive and	gency expends federal funds, the Participating Agency reserves the right 000 resulting from this procurement process in the event of a breach or s to: (1) meet schedules, deadlines, and/or delivery dates within the time purchase order; (2) make any payments owed; or (3) otherwise perform policitation. Participating Agency also reserves the right to terminate the venience, if Participating Agency believes, in its sole discretion that it is eror will be compensated for work performed and accepted and goods if the contract is terminated for convenience of Participating Agency. Any Il Participating Agency her offerors when it is in Participating Agency's best interest.
Does offeror agree? YES		Initials of Authorized Representative of offeror
definition of "federally assisted con provided under 41 CFR 60-1.4(b), in 12319, 12935, 3 CFR Part, 1964-1969 11246 Relating to Equal Employme Contract Compliance Programs, Equ	estruction contract" accordance with 5 Comp., p. 339), as nt Opportunity," an al Employment Opp	
Pursuant to Federal Rule (C) above, v contract, the equal opportunity clause is	when a Participating incorporated by refe	Agency expends federal funds on any federally assisted construction erence herein.
Does offeror agree to abide by the above	/e? YESa_	Initials of Authorized Representative of offeror
(D) Davis-Bacon Act, as amended	(40 U.S.C. 3141-3	3148). When required by Federal program legislation, all prime

construction contracts in excess of \$2,000 awarded by non-Federal entities must include a provision for compliance with the Davis-Bacon Act (40 U.S.C. 3141-3144, and 3146-3148) as supplemented by Department of Labor regulations (29

CFR Part 5, "Labor Standards Provisions Applicable to Contracts Covering Federally Financed and Assisted

OMNIA PARTNERS EXHIBITS EXHIBIT F- FEDERAL FUNDS CERTIFICATIONS

Construction"). In accordance with the statute, contractors must be required to pay wages to laborers and mechanics at a rate not less than the prevailing wages specified in a wage determination made by the Secretary of Labor. In addition, contractors must be required to pay wages not less than once a week. The non-Federal entity must place a copy of the current prevailing wage determination issued by the Department of Labor in each solicitation. The decision to award a contract or subcontract must be conditioned upon the acceptance of the wage determination. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency. The contracts must also include a provision for compliance with the Copeland "Anti-Kickback" Act (40 U.S.C. 3145), as supplemented by Department of Labor regulations (29 CFR Part 3, "Contractors and Subcontractors on Public Building or Public Work Financed in Whole or in Part by Loans or Grants from the United States"). The Act provides that each contractor or subrecipient must be prohibited from inducing, by any means, any person employed in the construction, completion, or repair of public work, to give up any part of the compensation to which he or she is otherwise entitled. The non-Federal entity must report all suspected or reported violations to the Federal awarding agency.

		1 0	, , , ,	ederal funds during the term of an award for all th all applicable Davis-Bacon Act provisions.
Does offeror agree?	YES	ac		_Initials of Authorized Representative of offeror
non-Federal entity i for compliance with 40 U.S.C. 3702 of th basis of a standard worker is compens excess of 40 hou provide that no lab unsanitary, hazardo	in excess of \$100 at 40 U.S.C. 3702 at the Act, each contil work week of 40 at the act at a rate of the work the work to a the work	,000 that involve th nd 3704, as suppler ractor must be requ hours. Work in ex not less than one week. The required must be required These requirement	ne employment of mented by Departmuired to compute the cess of the standar and a half times to ments of 40 U.S.C. to work in surrounts do not apply to the	Where applicable, all contracts awarded by the nechanics or laborers must include a provision tent of Labor regulations (29 CFR Part 5). Under the wages of every mechanic and laborer on the right work week is permissible provided that the the basic rate of pay for all hours worked in a 3704 are applicable to construction work and indings or under working conditions which are the purchases of supplies or materials or articles transmission of intelligence.
	pplicable provision	s of the Contract Wo	ork Hours and Safety	deral funds, offeror certifies that offeror will be in y Standards Act during the term of an award for all
Does offeror agree?	YES	ac	×	_Initials of Authorized Representative of offeror
agreement" under business firm or no developmental, or requirements of 37	37 CFR §401.2 (a Inprofit organizati research work ur CFR Part 401, "Ri	a) and the recipier on regarding the sunder that "funding ghts to Inventions	nt or subrecipient ubstitution of partie agreement," the re Made by Nonprofit (ederal award meets the definition of "funding wishes to enter into a contract with a small es, assignment or performance of experimental, ecipient or subrecipient must comply with the Organizations and Small Business Firms Under plementing regulations issued by the awarding
	all contracts by Par	rticipating Agency res	sulting from this procu	ipating Agency, the offeror certifies that during the urement process, the offeror agrees to comply with
Does offeror agree?	YES	ac		_Initials of Authorized Representative of offeror
Contracts and subg	rants of amounts with all applicable	in excess of \$150,0 standards, orders	000 must contain a or regulations issue	ontrol Act (33 U.S.C. 1251-1387), as amended— provision that requires the non- Federal award ed pursuant to the Clean Air Act (42 U.S.C. 7401-

Federal awarding agency and the Regional Office of the Environmental Protection Agency (EPA).

OMNIA PARTNERS EXHIBITS EXHIBIT F- FEDERAL FUNDS CERTIFICATIONS

	s by Participating Agenc	re expended by Participating Agency, the offeror certifies that during the ry member resulting from this procurement process, the offeror agrees Federal Rule (G) above.
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
made to parties listed on the government the OMB guidelines at 2 CFR 1 CFR part 1989 Comp., p. 235),	vernment wide exclusion 80 that implement Exe "Debarment and Susp ed by agencies, as well	49 and 12689)—A contract award (see 2 CFR 180.220) must not be one in the System for Award Management (SAM), in accordance with cutive Orders 12549 (3 CFR part 1986 Comp., p. 189) and 12689 (3 ension." SAM Exclusions contains the names of parties debarred, as parties declared ineligible under statutory or regulatory authority
term of an award for all contracts	by Participating Agency ebarred, suspended, pro	re expended by Participating Agency, the offeror certifies that during the resulting from this procurement process, the offeror certifies that neither oposed for debarment, declared ineligible, or voluntarily excluded from
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
must file the required certification funds to pay any person or organ member of Congress, officer of obtaining any Federal contract,	on. Each tier certifies to anization for influencing r employee of Congre grant or any other av s that takes place in c	Contractors that apply or bid for an award exceeding \$100,000 the tier above that it will not and has not used Federal appropriated g or attempting to influence an officer or employee of any agency, a ss, or an employee of a member of Congress in connection with ward covered by 31 U.S.C. 1352. Each tier must also disclose any connection with obtaining any Federal award. Such disclosures are
term and after the awarded term offeror certifies that it is in complia undersigned further certifies that: (1) No Federal appropriated fund attempting to influence an officer employee of a Member of Congres of a Federal loan, the entering into of a Federal contract, grant, loan, (2) If any funds other than Feattempting to influence an officer employee of a Member of Congres and submit Standard Form-LLL, "I (3) The undersigned shall requir awards exceeding \$100,000 in Feat	of an award for all contra- ance with all applicable parts and and with all applicable parts and any age as in connection with the contract agreement or cooperative agreement appropriated function or employee of any ages in connection with this Disclosure Form to Reporte that the language of the deral funds at all appropriate funds at all appropriates.	ds have been paid or will be paid to any person for influencing or ency, a Member of Congress, an officer or employee of congress, or an a Federal grant or cooperative agreement, the undersigned shall complete t Lobbying", in accordance with its instructions. his certification be included in the award documents for all covered subiate tiers and that all subrecipients shall certify and disclose accordingly.
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
RECORD RET	ENTION REQUIREMENT	TS FOR CONTRACTS INVOLVING FEDERAL FUNDS
that it will comply with the record retain all records as required by	retention requirements of 2 CFR § 200.333 for	for any contract resulting from this procurement process, offeror certifies detailed in 2 CFR § 200.333. The offeror further certifies that offeror will a period of three years after grantees or subgrantees submit final as applicable, and all other pending matters are closed.
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror

OMNIA PARTNERS EXHIBITS EXHIBIT F-FEDERAL FUNDS CERTIFICATIONS

CERTIFICATION	OF COMPLIANCE WITH THE	ENERGY POLICY AND CONSERVATION ACT
will comply with the mandatory s	tandards and policies relating	t resulting from this procurement process, offeror certifies that it to energy efficiency which are contained in the state energy Conservation Act (42 U.S.C. 6321 et seq.; 49 C.F.R. Part 18).
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
CERT	IFICATION OF COMPLIANCE	WITH BUY AMERICA PROVISIONS
Administration funds, offeror certified provide such certification or applica	s that its products comply with al ble waiver with respect to specif	tion, Federal Railroad Administration, or Federal Transit Il applicable provisions of the Buy America Act and agrees to ic products to any Participating Agency upon request. follow the applicable procurement rules calling for free and
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
PROCUREME	NT OF RECOVERED MATERIA	ALS REQUIREMENTS FOR - 2 C.F.R. §200.322
Conservation and Recovery Act. T Environmental Protection Agency (I consistent with maintaining a satisfa the quantity acquired during the pre	The requirements of Section 600 EPA) at 40 CFR part 247 that contactory level of competition, when exceding fiscal year exceeded \$1 to recovery; and establishing an	002 of the Solid Waste Disposal Act, as amended by the Resource 02 include procuring only items designated in guidelines of the ontain the highest percentage of recovered materials practicable, re the purchase price of the item exceeds \$10,000 or the value of 10,000; procuring solid waste management services in a manner of affirmative procurement program for procurement of recovered
Does Vendor agree? YES	ac	Initials of Authorized Representative of Vendor
CE	ERTIFICATION OF ACCESS TO	RECORDS - 2 C.F.R. § 200.336
books, documents, papers and reco	ords of offeror that are directly pe examinations, excerpts, and trans	f their duly authorized representatives shall have access to any ertinent to offeror's discharge of its obligations under the Contract scriptions. The right also includes timely and reasonable access ating to such documents.
Does offeror agree? YES		Initials of Authorized Representative of offeror
	CERTIFICATION OF AFF	FORDABLE CARE ACT
Public Law 111-148 and the Health	t it shall be solely responsible for Care and Education Reconciliati for providing health care benefi	r compliance with the patient Protection and Affordable Care Act, ion Act 111-152 (collectively the Affordable Care Act "ACA"). The ts for its employees who provide services as required by Federal
Does offeror agree? YES	ac	Initials of Authorized Representative of offeror
C	ERTIFICATION OF APPLICAB	ILITY TO SUBCONTRACTORS
		hall be bound by the foregoing terms and conditions.
Does offeror agree? YES	1 1	Initials of Authorized Representative of offeror
Offeror agrees to comply with all if further acknowledged that offeror noted above. Offeror's Name: Milliken Services	certifies compliance with all p	rules, regulations and ordinances, as applicable. It is provisions, laws, acts, regulations, etc. as specifically

Phone Number: 202-258-8867	Fax Number:	
Printed Name and Title of Authorized Email Address: _Al Carter@Milliken.		
Signature of Authorized Representati	ve: a C L Date: 8/9/2019	

1.0 Scope of National Cooperative Contract

Capitalized terms not otherwise defined herein shall have the meanings given to them in the Master Agreement or in the Administration Agreement between Supplier and OMNIA Partners.

1.1 Requirement

The University of California (hereinafter defined and referred to as "Principal Procurement Agency"), on behalf of itself and the National Intergovernmental Purchasing Alliance Company, a Delaware corporation d/b/a OMNIA Partners, Public Sector ("OMNIA Partners"), is requesting proposals for FLOORING PRODUCTS & INSTALLATION SERVICES. The intent of this Request for Proposal is any contract between Principal Procurement Agency and Supplier resulting from this Request for Proposal ("Master Agreement") be made available to other public agencies nationally, including state and local governmental entities, public and private primary, secondary and higher education entities, non-profit entities, and agencies for the public benefit ("Public Agencies"), through OMNIA Partners' cooperative purchasing program. The Principal Procurement Agency has executed a Principal Procurement Agency Certificate with OMNIA Partners, an example of which is included as Exhibit D, and has agreed to pursue the Master Agreement. Use of the Master Agreement by any Public Agency is preceded by their registration with OMNIA Partners as a Participating Public Agency in OMNIA Partners' cooperative purchasing program. Registration with OMNIA Partners as a Participating Public Agency is accomplished by Public Agencies entering into a Master Intergovernmental Cooperative Purchasing Agreement, an example of which is attached as Exhibit C. The terms and pricing established in the resulting Master Agreement between the Supplier and the Principal Procurement Agency will be the same as that available to Participating Public Agencies through OMNIA Partners.

All transactions, purchase orders, invoices, payments etc., will occur directly between the Supplier and each Participating Public Agency individually, and neither OMNIA Partners, any Principal Procurement Agency nor any Participating Public Agency, including their respective agents, directors, employees or representatives, shall be liable to Supplier for any acts, liabilities, damages, etc., incurred by any other Participating Public Agency. Supplier is responsible for knowing the tax laws in each state.

This Exhibit A defines the expectations for qualifying Suppliers based on OMNIA Partners' requirements to market the resulting Master Agreement nationally to Public Agencies. Each section in this Exhibit A refers to the capabilities, requirements, obligations, and prohibitions of competing Suppliers on a national level in order to serve Participating Public Agencies through OMNIA Partners.

These requirements are incorporated into and are considered an integral part of this RFP. OMNIA Partners reserves the right to determine whether or not to make the Master Agreement awarded by the Principal Procurement Agency available to Participating Public Agencies, in its sole and absolute discretion, and any party submitting a response to this RFP acknowledges that any award by the Principal Procurement Agency does not obligate OMNIA Partners to make the Master Agreement available to Participating Procurement Agencies.

1.2 Marketing, Sales and Administrative Support

During the term of the Master Agreement OMNIA Partners intends to provide marketing, sales and administrative support for Supplier pursuant to this section that directly promotes the Supplier's products and services to Participating Public Agencies through multiple channels, each designed to promote specific products and services to Public Agencies on a national basis.

The OMNIA Partners marketing team will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies and prospective Public Agencies through channels that may include:

- A. Marketing collateral (print, electronic, email, presentations)
- B. Website
- C. Trade shows/conferences/meetings
- D. Advertising
- E. Social Media

The OMNIA Partners sales teams will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies and prospective Public Agencies through initiatives that may include:

- A. Individual sales calls
- B. Joint sales calls
- C. Communications/customer service
- D. Training sessions for Public Agency teams
- E. Training sessions for Supplier teams

The OMNIA Partners contracting teams will work in conjunction with Supplier to promote the Master Agreement to both existing Participating Public Agencies and prospective Public Agencies through:

- A. Serving as the subject matter expert for questions regarding joint powers authority and state statutes and regulations for cooperative purchasing
- B. Training sessions for Public Agency teams
- C. Training sessions for Supplier teams
- D. Regular business reviews to monitor program success
- E. General contract administration

Suppliers are required to pay an administrative fee of three percent (3%) of the greater of the Contract Sales under the Master Agreement and Guaranteed Contract Sales under this Request for Proposal. Supplier will be required to execute the OMNIA Partners Administration Agreement (Exhibit B).

1.3 Estimated Volume

The dollar volume purchased under the Master Agreement is estimated to be approximately \$9,000,000 annually. While no minimum volume is guaranteed to Supplier, the estimated annual volume is projected based on the current annual volumes among the Principal Procurement Agency, other Participating Public Agencies that are anticipated to utilize the resulting Master Agreement to be made available to them through OMNIA Partners, and volume growth into other Public Agencies through a coordinated marketing approach between Supplier and OMNIA Partners.

1.4 Award Basis

The basis of any contract award resulting from this RFP made by Principal Procurement Agency will, at OMNIA Partners option, be the basis of award on a national level through OMNIA Partners. If multiple Suppliers are awarded by Principal Procurement Agency under the Master Agreement, those same Suppliers will be required to extend the Master Agreement to Participating Public Agencies through OMNIA Partners. Utilization of the Master Agreement by Participating Public Agencies will be at the discretion of the individual Participating Public Agency. Certain terms of the Master Agreement specifically applicable to the Principal Procurement Agency are subject to modification for each Participating Public Agency as Supplier, such Participating Public Agency and OMNIA Partners shall agree. Participating Agencies may request to enter into a separate supplemental agreement to further define the level of service requirements over and above the minimum defined in the Master Agreement (i.e. invoice requirements, order requirements, specialized delivery, diversity requirements such as minority and woman owned businesses, historically underutilized business, governing law, etc.). It shall be the responsibility of the Supplier to comply, when applicable, with the prevailing wage legislation in effect in the jurisdiction of the Participating Agency. It shall further be the responsibility of the Supplier to monitor the prevailing wage rates as established by the appropriate department of labor for any increase in rates during the term of this contract and adjust wage rates accordingly. Any supplemental agreement developed as a result of the Master Agreement is exclusively between the Participating Agency and the Supplier (Contract Sales are reported to OMNIA Partners).

All purchase orders issued and accepted by the Supplier may survive expiration or termination of the Master Agreement. Participating Agencies' purchase orders may exceed the term of the Contract if the purchase order is issued prior to the expiration of the Contract. Supplier is responsible for reporting all sales and paying the

applicable administrative fee for sales that use the Master Agreement as the basis for the purchase order, even though Master Agreement may have expired.

1.5 Objectives of Cooperative Program

This RFP is intended to achieve the following objectives regarding availability through OMNIA Partners' cooperative program:

- A. Provide a comprehensive competitively solicited and awarded national agreement offering the Products covered by this solicitation to Participating Public Agencies;
- B. Establish the Master Agreement as the Supplier's primary go to market strategy to Public Agencies nationwide;
- C. Achieve cost savings for Supplier and Public Agencies through a single solicitation process that will reduce the Supplier's need to respond to multiple solicitations and Public Agencies need to conduct their own solicitation process;
- **D.** Combine the aggregate purchasing volumes of Participating Public Agencies to achieve cost effective pricing.

2.0 REPRESENTATIONS AND COVENANTS

As a condition to Supplier entering into the Master Agreement, which would be available to all Public Agencies, Supplier must make certain representations, warranties and covenants to both the Principal Procurement Agency and OMNIA Partners designed to ensure the success of the Master Agreement for all Participating Public Agencies as well as the Supplier.

2.1 Corporate Commitment

Supplier commits that (1) the Master Agreement has received all necessary corporate authorizations and support of the Supplier's executive management, (2) the Master Agreement will be part of is Supplier's primary "go to market" strategy for Public Agencies, (3) the Master Agreement will be promoted to all Public Agencies. including any existing customers, and Supplier will transition existing customers, upon their request, to the Master Agreement, and (4) that the Supplier has read and agrees to the terms and conditions of the Administration Agreement with OMNIA Partners and will execute such agreement concurrent with and as a condition of its execution of the Master Agreement with the Principal Procurement Agency. Supplier will identify an executive corporate sponsor and a separate national account manager within the RFP response that will be responsible for the overall management of the Master Agreement.

2.2 Pricing Commitment

Supplier commits the not-to-exceed pricing provided under the Master Agreement pricing is its lowest available (net to buyer) to Public Agencies nationwide through regional and national cooperatives with the exception of GSA and state contracts that do not execute national cooperative contracts such as State of Ohio and State of New Jersey. Supplier further commits that if a Participating Public Agency is eligible for lower pricing through a national, state, regional or local or cooperative

contract not excluded above, the Supplier will match such lower pricing to that Participating Public Agency under the Master Agreement.

2.3 Sales Commitment

Supplier commits to aggressively market the Master Agreement as part of its go to market strategy in this defined sector and that its sales force will be trained, engaged and committed to offering the Master Agreement to Public Agencies through OMNIA Partners nationwide. Supplier commits that all Master Agreement sales will be accurately and timely reported to OMNIA Partners in accordance with the OMNIA Partners Administration Agreement. Supplier also commits its sales force will be compensated, including sales incentives, for sales to Public Agencies under the Master Agreement in a consistent or better manner compared to sales to Public Agencies if the Supplier were not awarded the Master Agreement.

3.0 SUPPLIER RESPONSE

Supplier must supply the following information in order for the Principal Procurement Agency to determine Supplier's qualifications to extend the resulting Master Agreement to Participating Public Agencies through OMNIA Partners.

3.1 Company

A. Brief history and description of Supplier.

Milliken & Company's roots go back 154 years:

- In 1865, Seth Milliken & William Deering founded Deering Milliken Company, a small woolen fabrics jobbing firm in Portland, Maine.
- In 1868, Seth Milliken moved the company headquarters to New York City, at that time the heart of the American textile industry.
- In 1884, the company invested in a new facility in Pacolet, South Carolina, and from that basic beginning the manufacturing operations grew.
- In 1976, Deering Milliken officially became Milliken & Company.
 - With headquarters in Spartanburg, South Carolina, today the company operates in a number of diverse disciplines including specialty chemicals, performance products, floor coverings, specialty fabrics and business consulting services.

Milliken & Company is one of the largest innovation companies in the world. Our belief that profits should be put back into research and development has allowed us to become the most technologically advanced manufacturer in existence today.

The Milliken Floor Covering Division is a privately held for-profit corporation divided into four regions: Americas, EMEAI, Asia Pacific and Australia. The company is headquartered in Spartanburg, South Carolina and operates facilities in the United States, United Kingdom, China and Australia. The Milliken Floor Covering Division is a business unit of Milliken & Company, which is governed by an independent board of directors. Milliken Services, LLC is the Milliken affiliate that provides both product and installation through our turnkey services program.

Total number of direct employees Approximately 7,000+

Total number and location of sales persons employed by Supplier. Approximately 7,000 associates worldwide with 80+ floorcovering sales associates in North America.

- B. Number and location of support centers (if applicable) and location of corporate office. Milliken's headquarters is located at 920 Milliken Road, Spartanburg, SC 29303. Milliken has manufacturing facilities on 4 continents and Milliken sales associates on the ground in 6 continents. There are 80+ showrooms and dedicated locations around the globe. One Global Brand with sales in over 120+ countries.
- C. Annual sales for the three previous fiscal years. Milliken is a privately-held company that does not release financial information. Please see financial information that we can provide attached to our RFP response.
- D. Submit FEIN and Dunn & Bradstreet report. Milliken Services, LLC- FEIN: 27-4264711; Milliken is privately-held.
- E. Describe any green or environmental initiatives or policies.

Milliken & Company is committed to operating our plants and facilities in complete compliance with all applicable environmental regulations and other requirements and to operate in a manner that protects the quality of our environment and the health and safety of our associates and the public. We are committed to strive for a goal of zero waste generation to all media - land, air, water - to be achieved by continual improvement in all of our operations. This goal will guide the conduct of our manufacturing operations, the development of new products, and our interaction with our suppliers and customers. Recycling of materials is an integral part of this on-going effort. We are committed to encouraging our families, our associates and our communities, through education and leadership, to conserve our natural resources and protect the environment in our daily lives.

We reaffirm our commitment to work with local, state and federal authorities to develop effective environmental solutions that meet tests of practicality and feasibility.

Milliken carpet tile has 3rd party verified - Red List Free Declare labels, Environmental Product Declarations that are 3rd party verified, multi-attribute sustainable certifications: NSF 140 Gold and Cradle to Cradle certified, and Green Label Plus. See additional information at:

https://floors.milliken.com/floors/en-us/sustainability/third-party-certification

Milliken Flooring has sent zero process waste to the landfill for over 20 years. Milliken carpets are manufactured with a minimum of 5% renewable energy and 5% carbon offsets. Milliken has a publicly stated goal to increase our Renewable energy 10x verses a 2018 baseline.

- F. Describe any diversity programs or partners supplier does business with and how Participating Agencies may use diverse partners through the Master Agreement. Indicate how, if at all, pricing changes when using the diversity program. Milliken partners with many diverse subcontractors to provide installation in our turnkey program. Milliken partners with subcontractors who help bring the best quality and price to our customers. Those factors being essentially equal, it is Milliken's desire to promote and foster relationships with diverse subcontractors
- G. Describe any historically underutilized business certifications supplier holds and the certifying agency. This may include business enterprises such as minority and women owned, small or disadvantaged, disable veterans, etc. N/A
- H. Describe how supplier differentiates itself from its competitors.
- Milliken & Company is a 154-year-old company that combines science with design and insights. Milliken tackles the issues and concerns of today. Every day, our community of innovators is invigorated by the challenge of creating new ways to enhance people's lives. All carpet manufacturing sites are ISO-14001 Certified the highest global standard for environmental responsibility with 7000 employees around the world. Voted Fortune Magazine's Best Companies to Work For and Ethisphere Institute recognized Milliken as one of the World's Most Ethical Companies for the past 12 years.
- Milliken Services LLC is a division of Milliken & Company that provides full Turnkey solutions for our National Account clients that desire to bundle product and labor services in one package. While there will be a single point of contact (Project Manager), a team of associates are assigned to each account to support the process and provide a streamlined, repeatable process. Milliken Services LLC will take full ownership and responsibility for each project. Our commitment is to provide world class products and the service at the highest level to create a great customer experience.
- Milliken operates with zero waste to landfill. Evaluated through Life Cycle Assessment (LCA). All U.S. floor covering products are PVC free, chlorinefree and are manufactured with alternative energy.
- PVC Free open celled technology high performance cushion backing extends carpet's life by 40%. This technology eliminates the use of primers and sealers and will tolerate higher moisture levels in the slab.
- Milliken Cushion Backing offers superior sound absorption, superior thermal resistance, 40% longer product life, improved durability and 20% reduction in leg fatigue which supports sit / stand ergonomic requirements.
- Proven Successful, Milliken Contract was the first company to develop and offer cushion-backed carpet tile and are now the recognized leader in this technology.
- All Milliken Floor Covering Products are third-party certified Green Label Plus for Indoor Air Quality by CRI. Maximum LEED Credit.

- All Milliken Carpet products are free of the 22 Red List chemicals defined in the Living Building Challenge.
- Environmental Product Declarations are available for all standard modular carpet tile offerings.
- Declare®
- UL CERTIFIED, Environmental Product Declaration
- Milliken Carpet Tile products are shipped on palettes and not individual boxes greatly reducing cardboard waste and cardboard recycling/disposal costs.

Milliken offers the industry's leading lifetime performance guarantees. Milliken has 14 Lifetime Warranties shown below for all Modular products:

- **Face Fiber Wear** Lifetime warranty that the carpet will lose no more than ten percent (10%) of its face fiber by weight. Carpet installed on stairs, warranty will be limited to 5 years.
- Staining/Soiling Resistance (StainSmart®) Lifetime warranty for permanent resisting of stain and soiling with carpet treated with StainSmart®.
- **Color Pattern Permanency** Lifetime warranty that the carpet will exhibit no pattern loss. Carpet installed on stairs, limited to 5 years.
- **Delamination of Backing** Lifetime warranty that the backing of the carpet will not delaminate
- **Edge Ravel** Lifetime warranty that the carpet will exhibit no edge ravel or zippering.
- **Tuft Bind** Lifetime warranty that the carpet will maintain its tuft bind integrity.
- **Floor Compatibility** Lifetime warranty that the carpet will not cause a reaction of old adhesives due to plasticizer migration.
- **Antistatic** Lifetime warranty that the carpet will not generate static shock greater than 3.5 kilovolts
- Antimicrobial Protection (AlphaSan®) Lifetime warranty that the AlphaSan® antimicrobial agent will remain active and will inhibit microbial activity that can contribute to deterioration in the carpet backing.
- **Flammability** Lifetime warranty that at the time of shipment the carpet will comply with the applicable provisions and laws for carpet used as floor covering in commercial installations.
- **Cushion Resiliency** Lifetime warranty that the modular carpet with attached cushion will retain 90% of its cushion resilience during the lifetime of the carpet.
- **Dimensional Stability** Lifetime warranty that the modular carpet will maintain its dimensional stability during the lifetime of the carpet.

- **Floor Release** Lifetime warranty that the initial installation of the modular carpet will release from the floor.
- **Moisture Resistance** Lifetime warranty that the modular carpet will resist moisture penetration, does not include moisture penetration at the seams.

Milliken Floor Compatibility

Milliken modular backings are non-reactive and contain no PVC or plasticizers. This greatly simplifies the floor preparation process and typically eliminates the necessity of old adhesive removal. All Milliken Modular Carpets carry the "Lifetime Floor Compatibility Warranty". No chemical incompatibility exists between Milliken Modular Carpet or Milliken Modular Carpet Adhesive and any existing flooring adhesive.

Milliken Modular Carpets

- o Reduces the time needed to remove old adhesives thus reducing carpet installation time
- Will not cause a chemical reactivation of old adhesives due to plasticizer migration
- o Eliminates the odors and Indoor Air Quality issues associated with plasticizer migration
- Old adhesive will not damage or destroy the construction of Milliken Modular Carpet
- o Eliminates any concern for costly remediation of incompatible floor covering problems with subfloor, old adhesives, or sealers
- I. Describe any present or past litigation, bankruptcy or reorganization involving supplier.
 - As a major manufacturing corporation Milliken has inevitably been involved in a certain amount of commercial litigation. On a relative basis the amount of such litigation is quite small. For further information contact the General Counsel's office at 864-503-2266.
- J. Felony Conviction Notice: Indicate if the supplier
 - a. is a publicly held corporation and this reporting requirement is not applicable; N/A
 - b. is not owned or operated by anyone who has been convicted of a felony; or Milliken is privately-held but not to our knowledge
 - c. is owned or operated by and individual(s) who has been convicted of a felony and provide the names and convictions. Not to our knowledge
- K. Describe any debarment or suspension actions taken against supplier N/A

3.2 Distribution, Logistics

- A. Describe the full line of products and services offered by supplier. Milliken offers floorcovering products including Cushioned-Back Modular Carpet Tile, Broadloom Carpet, Luxury Vinyl Tile, and Entry Flooring Products.
- B. Describe how supplier proposes to distribute the products/service nationwide. Include any states where products and services will not be offered under the

- Master Agreement, including U.S. Territories and Outlying Areas. Milliken's floorcovering products are available either direct or through our large dealer partner network
- C. Identify all other companies that will be involved in processing, handling or shipping the products/service to the end user. Milliken products are shipped through national transportation carriers.
- D. Provide the number, size and location of Supplier's distribution facilities, warehouses and retail network as applicable. As described above, Milliken has manufacturing facilities on 4 continents, 6 continents with Milliken sales associates on the ground. 80+ showrooms and dedicated locations. One Global Brand with sales in over 120+ countries across the globe.

3.3 Marketing and Sales

- A. Provide a detailed ninety-day plan beginning from award date of the Master Agreement describing the strategy to immediately implement the Master Agreement as supplier's primary go to market strategy for Public Agencies to supplier's teams nationwide, to include, but not limited to: Milliken will, upon award, immediately within 90 days, implement the Master Agreement as part of our government marketing strategy for Public Agencies, to our sales team nationwide, to include but not limited to:
 - i. Executive leadership endorsement and sponsorship of the award as part of Milliken's the public sector go-to-market strategy within first 10 days
 - ii. Training and education of Milliken's Supplier's national sales force with participation from Milliken's the Supplier's executive leadership, along with the OMNIA Partners team within first 90 days.
 - iii. Milliken will add the Master Agreement to Highspot, Salesforce.com and the Milliken Floorcovering Website under our Government Segment Section, and all marketing literature and brochures related to Government Markets within the first 90 days.
- B. Milliken will, upon award, immediately within 90 days, implement Provide a detailed ninety-day plan beginning from award date of the Master Agreement describing the strategy to market the Master Agreement to current Participating Public Agencies, existing Public Agency customers of Supplier, as well as to prospective Public Agencies nationwide immediately upon award, to include, but not limited to:
 - i. Creation and distribution of a co-branded press release to trade publications
 - ii. Announcement, contract details and contact information published on the Supplier's website within first 90 days
 - iii. Announcement sent via email to current Participating Public Agencies and Prospective Public Agencies within first 90 days.
 - iv. Design, publication and distribution of co-branded marketing materials within first 90 days
 - v. Commitment to attendance and participation with OMNIA Partners at national (i.e. NIGP Annual Forum, NPI Conference, etc.), regional (i.e. Regional NIGP Chapter Meetings, Regional Cooperative Summits, etc.)

- and supplier-specific trade shows, conferences and meetings throughout the term of the Master Agreement
- vi. Commitment to attend, exhibit and participate at the NIGP Annual Forum in an area reserved by OMNIA Partners for partner suppliers. Booth space will be purchased and staffed by Supplier. In addition, Supplier commits to provide reasonable assistance to the overall promotion and marketing efforts for the NIGP Annual Forum, as directed by OMNIA Partners.
- vii. Design and publication of national and regional advertising in trade publications throughout the term of the Master Agreement
- viii. Ongoing marketing and promotion of the Master Agreement throughout its term (case studies, collateral pieces, presentations, promotions, etc.)
 - ix. Dedicated OMNIA Partners internet web-based homepage link on Supplier's Floorcovering website's government segment section with:
 - OMNIA Partners standard logo;
 - Copy of original Request for Proposal;
 - Copy of contract and amendments between Principal Procurement Agency and Supplier;
 - Summary of Products and pricing;
 - Marketing Materials
 - Electronic link to OMNIA Partners' website including the online registration page;
 - A dedicated toll-free number and email address for OMNIA Partners
- C. Describe how Supplier will transition any existing Public Agency customers' accounts to the Master Agreement available nationally through OMNIA Partners. Include a list of current cooperative contracts (regional and national) Supplier holds and describe how the Master Agreement will be positioned among the other cooperative agreements. As stated above in our Marketing Plan, Milliken will only transition existing Public Agency customer's accounts to the Master Agreement at the customer's request. Transition would be seamless as the customer would already have an account with us and we would start capturing, tracking, and reporting their sales on the effective date of transmission. Milliken currently holds Cooperative (Regional and National) contracts with Sourcewell, NASPO and MHEC.
- D. Acknowledge Supplier Milliken agrees to provide its logo(s) and brand standards document to OMNIA Partners and agrees to provide permission for reproduction of such logo in marketing communications and promotions. Should it follow Milliken's brand standards guidelines. Milliken Aacknowledges that use of OMNIA Partners logo will require permission for reproduction, as well.
- E. Confirm Supplier will be proactive in direct sales of Supplier's goods and services to Public Agencies nationwide and the timely follow up to leads established by OMNIA Partners. All sales materials on leads established by Omnia Partners are to use the OMNIA Partners logo. At a minimum, the Supplier's sales initiatives should communicate:

- i. Master Agreement was competitively solicited and publicly awarded by a Principal Procurement Agency
- ii. Best Competitive national cooperative government pricing
- iii. No cost to participate
- iv. Non-exclusive
- F. Confirm Supplier will train its national sales force on the Master Agreement. At a minimum, sales training should include:
 - i. Key features of Master Agreement
 - ii. Working knowledge of the solicitation process
 - iii. Awareness of the range of Public Agencies that can utilize the Master Agreement through OMNIA Partners
 - iv. Knowledge of benefits of the use of cooperative contracts
- G. Provide the name, title, email and phone number for the person(s), who will be responsible for:
 - i. Executive Support Tamlin Antoine, Director of Global Government Sales, Tamlin.Antoine@Milliken.com, 202-480-6461
 - ii. Marketing Tamlin Antoine, Director of Global Government Sales, Tamlin.Antoine@Milliken.com, 202-480-6461
 - iii. Sales -- Tamlin Antoine, Director of Global Government Sales, Tamlin.Antoine@Milliken.com, 202-480-6461
 - iv. Sales Support Tamlin Antoine, Director of Global Government Sales, Tamlin.Antoine@Milliken.com, 202-480-6461
 - v. Financial Reporting Kelly Anderson, Financial Analyst, Kelly.Anderson@Milliken.com, 864-503-6099
 - vi. Accounts Payable Kelly Anderson, Financial Analyst, Kelly.Anderson@Milliken.com, 864-503-6099
 - vii. Contracts Dawn Weathers, Contract Services Lead, Dawn.Weathers@Milliken.com, 404-304-3698
- H. Describe in detail how Supplier's national sales force is structured, including contact information for the highest-level executive in charge of the sales team.

Milliken's national sales team responsible for national cooperative operative sales is lead by Al Carter, Director of Strategic Accounts. Tamlin Antoine, Director of Government Sales will be responsible for management of all aspects of the Master Agreement, including implementation, sales, marketing, reporting, fee payments, etc...

- I. Explain in detail how the sales teams will work with the OMNIA Partners team to implement, grow and service the national program. Milliken has local sales teams in all major markets who will, individually, work with Omnia Partners team to initiate and grow Public Agency sales through the Master Agreement.
- J. Explain in detail how Supplier will manage the overall national program throughout the term of the Master Agreement, including ongoing coordination of marketing and sales efforts, timely new Participating Public Agency account set-up, timely contract administration, etc. Milliken has extensive and extremely successful experience managing all aspects of National Cooperative

Agreements and sales to Public Agencies. We have a dedicated customer service group that will respond to all customer service request, quotes, orders, timely account set up, etc...We also have an outstanding Marketing and Contract Management Teams that insure ongoing collaboration and coordination with marketing and sales.

- K. State the amount of Supplier's Public Agency sales for the previous fiscal year. Provide a list of Supplier's top 10 Public Agency customers, the total purchases for each for the previous fiscal year along with a key contact for each. As a private company, Milliken does not disclose specific sales information on our customers. We can state, however, Milliken's Public Agency Sales exceeded \$14 million in 2018. If awarded a Master Agreement with Omnia Partners, Milliken will, at that point, discuss where we have been successful from a specific Agency standpoint.
- L. Describe Supplier's information systems capabilities and limitations regarding order management through receipt of payment, including description of multiple platforms that may be used for any of these functions. Milliken will process orders through govorders@milliken.com. Gov orders will route orders to respective departments for account set up, manufacturing production dates, shipping and delivery, accounts payable, and if turnkey, Milliken Services. This is a dedicated email and customer service department solely for Public Agencies.
- M. If the Supplier wants to guarantee sales, provide the Contract Sales (as defined in Section 10 of the National Intergovernmental Purchasing Alliance Company Administration Agreement) that Supplier will guarantee each year under the Master Agreement for the initial three years of the Master Agreement ("Guaranteed Contract Sales"). We will not guarantee sales.

\$ 00 in year one
\$ 00 in year two
\$.00 in year three

To the extent Supplier guarantees minimum Contract Sales, the administration fee shall be calculated based on the greater of the actual Contract Sales and the Guaranteed Contract Sales.

- N. Even though it is anticipated many Public Agencies will be able to utilize the Master Agreement without further formal solicitation, there may be circumstances where Public Agencies will issue their own solicitations. The following options are available when responding to a solicitation for Products covered under the Master Agreement.
 - i. Respond with Master Agreement pricing (Contract Sales reported to OMNIA Partners).
 - ii. If competitive conditions require pricing lower than the standard Master Agreement not-to-exceed pricing, Supplier may respond

- with lower pricing through the Master Agreement. If Supplier is awarded the contract, the sales are reported as Contract Sales to OMNIA Partners under the Master Agreement.
- iii. Respond with pricing higher than Master Agreement only in the unlikely event that the Public Agency refuses to utilize Master Agreement (Contract Sales are not reported to OMNIA Partners).
- iv. If alternative or multiple proposals are permitted, respond with pricing higher than Master Agreement, and include Master Agreement as the alternate or additional proposal.

Detail Supplier's strategies under these options when responding to a solicitation.

Master Agreement pricing will be used and reported to OMNIA Partners in all situations where a customers or projects are referred by OMNIA Partners. When there is no referral or in the unlikely event the Public Agency refuses Master Agreement pricing, Milliken will treat the request as we would any standard sales inquiry. In such a case, we may choose to still utilize the Master Agreement pricing or use standard pricing practices at our discretion. Existing Milliken customers will not be considered covered under the new pricing agreement.



Milliken & Company

At Milliken, we've always believed prosperity and responsibility must coexist — and we conduct business with a higher purpose and a longer-term view.

Ethics, Excellence, and Leadership

While we hold ourselves accountable to the highest ethical standards, we derive our greatest satisfaction from creating innovations that help solve the world's problems, adding value to people's lives, improving health and safety and making this world sustainable.

CREATING NEW EXPERIENCES

We create the highest quality products and services because our customers deserve no less. We take pride in a desire to demonstrate excellence in everything we do, but we find even deeper gratification in creating products that can completely change the customer's experience.

BUILDING FOR THE FUTURE

Following the long-term view of our founders, we recognize that for both our customers and ourselves to be economically sustainable entities, our innovations — the things we make — must enable us to win in the market today, but also to reinvest for the future.





In 2019, Milliken has once again been recognized as one of the World's Most Ethical Companies® by the Ethisphere® Institute, a global leader in defining and advancing the standards of ethical business practices.

Milliken is one of just 8 companies to receive this honor every year since its inception in 2007. A strong foundation of quality, ethics, and environmental responsibility has always been an integral part of who we are.



90-DAY MARKETING PLAN THE UNIVERSITY OF CALIFORNIA/OMNIA PARTNERS CONTRACT

Below is Milliken's plan outlining our resources and efforts in order to successfully launch this partnership within Milliken and to our customers.

- Press release and social media blitz within the first 90 days.
- Face to face meetings with the University decision makers throughout California.
- Dedicated marketing literature specifically for this contract. Marketing of contract at all government and education trade shows.
- Milliken has an outstanding sales and marketing team nationally specifically focused on growing government and education sales through national cooperative contracts. We are currently in the process of developing a government sales training manual that we will distribute to the sales team
- Tamlin Antoine, Director of Government Sales, will conduct regional training seminars to the Milliken sales force and the dealer community to educate them on how to effectively utilize this contract and how to generate sales utilizing this contract.
- Milliken intends to add an additional 9 to 11 government/education specialists nationally in 2020.
- Tamlin Antoine, Director of Government Sales, will fly out to California multiple times in the
 first 90 days to market the California University/Omnia Contract, along with Milliken's
 dedicated California Government/Education Sales Specialist, Robert Alvarez. Robert's primary
 role will be to support, generate, and grow sales through this Contract.
- We will utilize our attached Look Book that will be tailored specifically for this contract. It will also include information on the below topics:
 - O Site-Related Solutions
 - O Health & Wellness

- O WellBACTM Cushion Backing
- O TractionBack®
- O Milliken's story
- O Product Pricing
- We will add the University of California/Omnia Partners on our government brochure (attached) that will be marketed to all government/education customers.
- We will list the University of California/Omnia Partners on our Milliken government landing page as an available contract vehicle for Milliken products and services. https://floors.milliken.com/floors/en-us/segments/government
- We will post on social media how excited we are to have been awarded this contract and look forward to successfully selling and marketing to members.
- Milliken will provide a Look Book tailored specifically to each University that purchases off of the contract. An example is attached for the San Diego Convention Center.
- Milliken has a very strong sales team in California that is extremely excited and able to successfully market the University of California/Omnia Partners contract, as well as, an outstanding national sales team to successfully market Omnia nationally.

OUR VISION

To exceed the expectations and needs of our customers, suppliers and associates while providing goods and services through a supplier base that reflects the communities we live in and serve.



VALUES

- Community enrichment through economic development.
- Respect for our environment, our associates, our customers and our suppliers.

MILLIKEN BUYS

RAW MATERIALS

Chemicals Fiber

INDUSTRIAL PRODUCTS

Building Materials
Electrical Components
Fuels
Fasteners
Forklifts
Hand Tools
Lab Supplies
Measuring Instruments
Medical Supplies
Power Transmission
Office Supplies

RAW MATERIALS

Advertising
Floor Covering Contractors
General Construction
Heating and Air
Hydraulics
Installations and Development
Projects

Landscaping
Pest Control
Printing
Security
Specialty Construction
Temporary Staffing

WE EXPECT

Competitive Pricing

On-time Delivery

Adherence to Terms and Conditions Insurance and safety requirements to be met



Management Team

The management team for the University of California is detailed below, along with a list of key personnel for reference. Everyone at Milliken is happy to help.

University of California Leadership Team

NATIONAL ACCOUNT MANAGER

Nicole Kuczak

Nicole.Kuczak@milliken.com, (310) 504-4635

DIRECTOROFGOVERNMENTSALES **Tamlin Antoine**

Tamlin.Antoine@milliken.com (202) 480-6461

QUALITY ASSURANCE LEADER **Russell Cleveland**Russell.Cleveland@milliken.com
(864) 362-5127

DIRECTOR OF OPERATIONS

Jason RichardsonJason.Richardson@milliken.com
706-302-8333

DIRECTOR OF STRATEGIC ACCOUNTS

Al Carter

Al.Carter@milliken.com

(202) 258-8867

DIRECTOR OF CUSTOMER SERVICE **Caren Volkman** Caren.Volkman@milliken.com (800) 528-8453 PROJECT MANAGER **Amy Grantham**Amy.Grantham@milliken.com
706-880-5727

REGIONAL VICE-PRESIDENT

Marc Cormier

Marc.Cormier@milliken.com
(310) 270-6595

MILLIKEN MANAGEMENT TEAM INFORMATION

Name: Nicole Kuczak

Title: Account Manager - Orange County & Inland Empire

Role/Responsibility with Milliken: To manage Milliken's National Accounts and new business

development within the territory.

Number of Years of Service with Milliken: 2 years

Name: Jason Richardson

Title: Director of Operations Milliken Services, LLC

Role/Responsibility with Milliken: Management and Oversight of Turnkey Services Program

Number of Years of Service with Milliken: 2 years

Name: Amy Grantham Title: Project Manager

Role/Responsibility with Milliken: Managing projects for Milliken Services Turnkey program

Number of Years of Service with Milliken: 2 years

Name: Al Carter

Title: Director of Strategic accounts

Role/Responsibility with Milliken: Responsible for the research, development, maintenance, and

retention of the largest potential accounts in the floor covering industry. Responsible for

developing customers for life.

Number of Years of Service with Milliken: 4.5 years

Name: Tamlin Antoine

Title: Global Director of Government Sales

Role/Responsibility with Milliken: Responsible for sales, marketing, and administration of

federal, state, and local government segments and contracts.

Number of Years of Service with Milliken: 2 years

Name: Marc Cormier

Title: Regional Vice-President

Role/Responsibility with Milliken: Responsible for the leadership, development and success of

22 sales people in the Western US.

Number of Years of Service with Milliken: 3 years

Name: Caren Volkman

Title: Director of Customer Service

Role/Responsibility with Milliken: Managing US Customer Service teams

Number of Years of Service with Milliken: 17 years.

Name: Russell Cleveland

Title: Quality Director, North America

Role/Responsibility with Milliken: Served in various manufacturing, process improvement and quality management rolls in both the Automotive and Floor Covering Divisions. Degree in

Manufacturing Management and Quality Control from Auburn University.

Number of Years of Service with Milliken: 30 years.



LETTER FROM JIM McCALLUM

Milliken Floor Covering Division President

For more than a decade, Milliken has been named one of the World's Most Ethical Companies® by the Ethisphere® Institute. This recognition—which is more than a desired accolade—reaffirms Milliken's long-standing commitment to building a better future for our associates, customers and communities through ethical practices, innovation leadership and corporate citizenship. Ethics underpin every action at Milliken, including our commitment to examining our current actions to ensure they are the best possible course.

We have learned that listening to our customers and stakeholders is critical to our success. In this year's global sustainability report, our third annual, we have expanded our focus to reflect the advancements of priorities that stakeholders have deemed most important, including reviews of chemicals and ingredients that construct Milliken flooring solutions. In this edition, entitled "The Intersection of Ethics and Transparency," we illustrate how Milliken is embracing both environmental and material transparency around the world with revolutionary initiatives.

At Milliken, we take pride in our heritage as innovators fueled by deep science. Our purpose and passion for making the world a better place inspire us to solve some of the world's most difficult questions with the right course of action. Our stakeholders challenged us to redefine the meaning of the word safe by going beyond government regulation to include the best available science on materials and ingredients for our industry-leading flooring solutions.

This philosophy has also helped us understand our stakeholders' expectations—how full transparency requires a pivot in how we conduct business with our suppliers, in how we design our products, and in how we think differently about materials and ingredients.

We recognize the responsibility that comes with being one of the World's Most Ethical Companies, and we constantly challenge ourselves to lead the industry in solving issues of material transparency and traceability through ethical innovation and science.

We have embraced what it truly means to be sustainable, as well as the challenges it presents. Our willingness to listen and respond to our stakeholders, along with our unwavering core values, reinforce our ability to ethically approach and transparently report our actions.

Milliken's involvement in environmental stewardship dates back to 1901 with our first recycling policy. It was something we prioritized then not because our customers expected it, but because we knew it was simply the right thing to do. We implemented the policy because we expected it of ourselves.

Today, as the industry collectively demands sustainability from all manufacturers, we are sharing what we have learned from our century-long journey so others can draw from our success—and we can continue to progress towards what is most meaningful for our customers and the environment.

It is in this spirit of learning and sharing that I am humbled to discuss the intersection of ethics and transparency.



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Sincerely,

Jim McCallum

President of the global Milliken floor covering division

"WE CONSTANTLY challenge ourselves to LEAD THE INDUSTRY in solving issues of MATERIAL TRANSPARENCY and TRACEABILITY"

Lapidus, an award-winning collection, is Living Building Challenge Compliant.

LETTER FROM PHILIP IVEY

Milliken Floor Covering Division Strategic Sustainability Leader

We appreciate you taking time to dive into our third annual sustainability report for the Milliken floor covering division. As the Global Strategic Sustainability Leader, I am honored to work with a company where behaving ethically is not only an expectation but a point of pride, as we work to add true value to people's lives, improve health and safety, and help make this world more sustainable.

We are also excited to introduce a deeper level of insight into our work in material transparency. We implemented significant initiatives to improve how we share the environmental and material health performance of our flooring solutions. In this report, we share more about programs measuring and tracking biodiversity and environmental impacts through life cycle assessment and how we approach material transparency with third-party partnerships, piloting a new LEED v4 credit for MR Building Product Disclosure and Optimization - Material Ingredients (Option 3), and chemical transparency reporting in the form of Declare labels and Health Product Declarations (HPDs). We are also re-approaching how we report our resource consumption, and we will soon introduce science-based targets and goals, along with better key performance indicators (KPIs), to reflect our growing business.

We have long shared our commitment to meaningful innovation and acting ethically throughout every facet of our business. Now, we're being transparent in how these two intersect—defining how they impact the decisions we make daily. Our shareholders have prompted us to share publicly how we believe we are acting ethically, allowing you, in turn, to fully understand our multifaceted initiative. We strive for transparency in the way we approach large-scale sustainability, so we can share our successes, but also open ourselves up to critique, feedback and even collaboration.

We hope this report inspires you to think differently about sustainable architecture and design, as this annual process has challenged us to do so.



Sincerely,

Strategic Sustainability Leader for the global Milliken floor covering division



"We strive for **TRANSPARENCY** in the way we approach LARGE-SCALE SUSTAINABILITY"

ABOUT MILLIKEN FLOOR COVERING

The Milliken floor covering division is part of Milliken & Company, an innovation company that has been exploring, discovering and creating ways to enhance people's lives since 1865. One of the largest privately held companies in the world, the Milliken & Company community of innovators developed one of the larger collections of United States patents held by a private U.S. company. Designers, facility managers and homeowners are inspired by Milliken's innovative broadloom and modular carpet, luxury vinyl tile, and entry flooring solutions, which are carried under the Milliken brand and designed with superior aesthetics and functionality to enhance work environments, hotels, airports, homes and other global commercial interiors.

Milliken* is a privately held for-profit corporation divided into three regions: Americas, EMEAI and Asia Pacific. The company is headquartered in Spartanburg, South Carolina, and operates design and manufacturing facilities in the United States, United Kingdom, Australia and China. The floor covering division is a business unit of Milliken & Company, which is governed by an independent board of directors. The chairman of the board is also the company president and CEO.

*All references to Milliken here forward refer to the global floor covering division of parent company Milliken & Company.





ABOUT THIS REPORT

As the third annual sustainability report for Milliken, this report encompasses key performance indicators from fiscal year 2016 across the company's global commercial, residential, hospitality, entryway and mats markets. All facilities and operations associated with this business are included.

This report is limited to the global operations of Milliken with organizational data from floor covering operations in the United States, China, United Kingdom and Australia. Data from Milliken & Company, the parent company, is not included.

This report meets the requirements of LEED v4 MRc3 credit by providing: Option 1: Raw Material Source and Extraction Reporting.

Milliken is providing this report as a third-party reviewed corporate sustainability report, which includes environmental impacts of extraction operations and activities associated with Milliken's products and product supply chain. This report was created using the Global Reporting Initiative (GRI) Sustainability Reporting framework. Our GRI Index is located on page 47.

For any questions about this report, please contact millikencarpet@milliken.com.



HOW WE ENGAGE STAKEHOLDERS

At Milliken, we rely on our network of stakeholders to help shape our conversation on sustainability. In preparation for this report, we engaged a panel of stakeholders to share feedback on our sustainability performance to date and help craft our sustainability activities for years to come. Over the course of more than 50 conversations, our stakeholders provided insights into the strengths, weaknesses and opportunities for our sustainability program.

Our stakeholders represent groups and organizations that are directly or indirectly affected by our operations, have a direct interest in our activities, and/or have the ability to influence outcomes and decision-making processes. For this report, our stakeholders comprise customers, architecture and design firm sustainability leaders, competitors, academics with flooring knowledge, flooring installers, environmental nonprofits, industry associations, and local community members.

We approached our conversations with these five key stakeholder groups using the following principles:

CUSTOMERS

Ensure customer satisfaction with our products and our long-term sustainability strategy by inviting open feedback.

SUPPLIERS

Maintain close interaction to deliver highperformance, sustainable products.

ASSOCIATES

Establish regular engagement on performance, policies and issues relating to meeting personal and business needs.

NEIGHBORS

Invite open discussions regarding safety with those who live around Milliken manufacturing sites

EXTERNAL ORGANIZATIONS

Collaborate within and outside of our industry to further our understanding of issues affecting the sustainability of our business.

Indirect stakeholder feedback was supported through Milliken's involvement in various organizations and associations, which are listed on page 46. These annual industry-wide involvements help us identify, map, prioritize and engage with a variety of local, national and international stakeholders on integral topics related to our operations.



STAKEHOLDER EXPECTATIONS

In years past, our stakeholders defined five sustainability focus areas for Milliken to report on, prioritizing what Milliken should address. These priorities included:

- Resource Consumption
- Chemical and Human Health Impacts
- Recycled Content and Recyclability
- Supply Chain Impacts of Products
- Being an Employer of Choice

While engaging stakeholders for our third annual sustainability report, it was recommended that these five topics merge into two key areas: ethics and transparency. One stakeholder shared, "If you are acting ethically—and being transparent about what your ethical behavior looks like—what more can we ask?" For this report, we are centering on how Milliken believes ethics and transparency intersect and influence each other, as well as the results when they work together.

ACTING ETHICALLY

- Using resources responsibly
- Taking action to reduce our environmental
- Conducting global business reputably
- Being an employer of choice
- · Creating products with the environment in mind
- Designing flooring solutions with human health in mind
- Working to resolve conflicts between environmentally preferable products with questionable human health impacts and vice versa
- Partnering with suppliers who adhere to and behave with similar ethical behavior

BEING TRANSPARENT

- Publicly reporting resource consumption
- Communicating Milliken's role in protecting the environment
- Sharing our employment practices and metrics related to being an employer of choice
- Verifying the environmental performance of our products
- Providing the human health performance of our products
- Demanding transparency in our supply chain through traceability, transparency and accountability
- Maintaining open lines of communication for feedback

Acting ethically and being transparent begins with a corporate culture rewarding behavior that goes beyond business as usual. Milliken's values and policies, centered on environmental stewardship, quality, safety, chemical use, and employee and supplier codes of conduct, demonstrate how ethics and transparency are deeply integrated into our corporate culture and imperative to our success as a values-based business.

"We do not simply follow the letter of the law;

WE FOLLOW AND EXCEED the spirit of the law."

OUR VALUES

How Milliken achieves success is as important as the success we achieve. We believe ethical behavior is the right thing to do as an organization and as a community. As a long-held, core value of our company and of our shareholders, it is the foundation of our lasting business success.

Honesty, integrity and ethical behavior are the personal responsibility of every Milliken associate. We must conduct ourselves in accordance with the highest business standards, provide safe environments for our associates and manufacture with sustainable practices.

The Milliken & Company Code of Conduct is our guide to ethical business behavior. It cannot address every situation or circumstance, but it can be summarized in one simple idea: "Do what is right."

Milliken & Company

ENVIRONMENTAL STATEMENT

Designing innovative products and solutions for our customers is of the utmost importance. Through meaningful design, deep science and unique insights, we advance product development to the next level while supporting Milliken's efforts to increase sustainable results and minimize environmental impact of all products.

Milliken's holistic approach to innovation encompasses all stages of the life cycle - from material sourcing and manufacturing practices to end-of-life management. Our commitment to transparency, health, safety, quality and sustainability allows us to put our customers, associates and communities first.

Milliken & Company

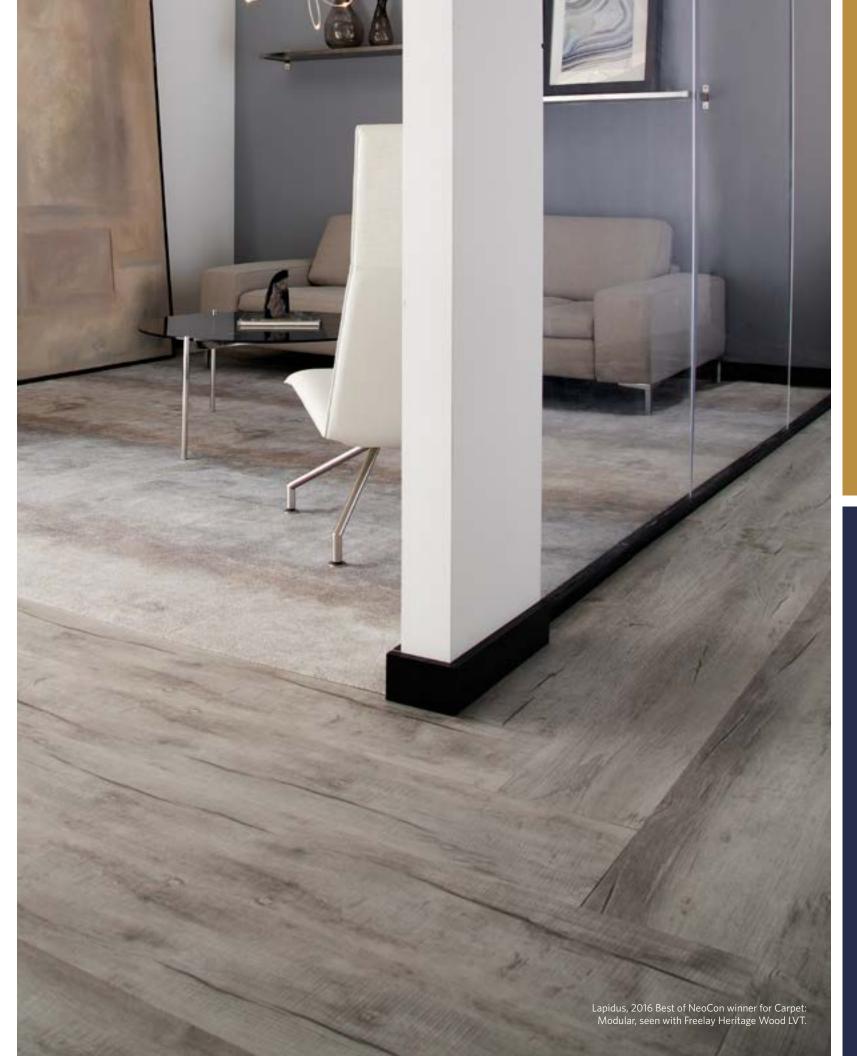
ENVIRONMENTAL POLICY

Milliken & Company is committed to operating our plants and facilities in complete compliance with all applicable environmental regulations and to operate in a manner that protects the quality of our environment and the health and safety of our associates and the public.

We are committed to strive for a goal of zero waste generation to all media—land, air, water—to be achieved by continual improvement in all of our operations. This goal will guide the conduct of our manufacturing operations, the development of new products and our interaction with our suppliers and customers. Recycling of materials is an integral part of this ongoing effort.

We are committed to encouraging our families, our associates and our communities, through education and leadership, to conserve our natural resources and protect the environment in our daily lives.

We reaffirm our commitment to work with local, state and federal authorities to develop effective environmental solutions that meet tests of practicality and feasibility.



Milliken & Company **QUALITY POLICY**

continuous improvement of all products and

All associates are committed to the development and strengthening of partnerships

We will continually strive to provide innovative and better quality products and services to enhance our customer's continued longterm profitable growth by understanding and exceeding their requirements and anticipating

Milliken & Company **SAFETY POLICY**

The safety and health of all its people is of primary importance to Milliken & Company.

Milliken will devote resources to train our people to perform their jobs safely, to ensure equipment can be operated in a safe manner, to eliminate workplace hazards, and to comply with applicable safety and health laws and regulations.

Milliken believes that all injuries are preventable, all health risks are controllable and management is accountable.

Milliken & Company **CHEMICAL POLICY**

Milliken & Company is committed to operating in a manner that protects the quality of our environment and the health and safety of our entire value chain, including suppliers, associates, customers and the public. We seek to offer customers and organizations of all sizes products that are inherently safer for human and environmental health throughout their life cycle.

We are committed to a goal of zero human health impacts to anyone who comes into contact with any aspect of Milliken & Company's operations and products. This is to be achieved through a continual improvement process that includes the evaluation of all existing, new and proposed products and processes.

Furthermore, we are committed to being a leader in safer chemistries and in the development of products that do more good than harm. We are committed to considering our families, our associates and our communities as we design and develop new products, and we must consider the environment and human health in those decisions. Specifically, we adhere to the following principles:

- 1. Fully Understand Product Chemistry Risks and Hazards, and Embrace the Appropriate Disclose of Product Chemistry. We will identify the substances associated with and used in our products across their life cycle, and we will increase the transparency of the chemical constituents of our products, including public disclosure of chemicals of high concern and third-party certification(s).
- 2. Intentionally Assess and Avoid Hazards. We will do this through the following actions:
- 1) We will determine the hazard characteristics of chemical constituents and formulations in our products using publicly available third-party methodologies.
- 2) We will strive to use chemicals identified as having inherently low hazard potential.
- 3) We will prioritize chemicals of high concern for elimination and minimize exposure and risk when hazards cannot be prevented.
- 4) We will allocate resources towards the redesign of products and processes in an effort to eliminate the use and generation of hazardous chemicals.
- 3. Commit to Continuous Improvement. We will establish operational governance structures, policies and practices to create a framework for the regular evaluation of product and process chemistry and work to redesign products with inherently lower hazard potential.
- 4. Support Public Policies and Industry Standards. We will support the advancement of policies and standards that are aligned with the principles above, that support the development of comprehensive, accurate and public hazard data and that take action to eliminate or reduce known hazards and promote a green chemistry research and education.

The above four principles shall be managed and acted upon within our ISO 14001 structure and audited accordingly for ongoing compliance.

This policy shall include all floor covering products, all manufacturing operations that produce floor covering products, all suppliers that produce and/or sell goods used in the manufacturing of floor covering products and all packaging used in the internal and external distribution of floor covering products.

Milliken & Company

ASSOCIATE CODE OF CONDUCT

The Milliken Code of Conduct is reviewed by 100% of our associates. It has been translated into the languages of every country in which we do business and is evaluated annually by Milliken's internal Committee on Compliance and Ethics and the Milliken & Company Board of Directors.

In addition to top-down oversight, associates within the floor covering division serve as compliance and ethics points of contact for the entire Milliken family of companies.

The Milliken Code of Conduct includes policies on how associates should approach:

Conflicts of interest

Information security

Policy management

Gifts and entertainment

Anti-corruption / bribery

Environmental protection

Antitrust / competition

Workplace harassment

Equal employment opportunity / diversity / discrimination

Fair employment / fair labor standards

Company asset protection

Social media

Financial integrity and fraud

Data privacy

Misconduct investigations

Procurement integrity / interacting with suppliers / supply

Chain oversight

Intellectual property

Workplace health and safety

Non-retaliation



Ideas, behaviors, intentions, logic, responsibility and innovation coexist at the intersection of ethics and transparency. It is a place of sharing, learning, refining and executing ideas. It is idyllic and provocative, challenging yet inspiring.





Milliken believes acting ethically is

USING RESOURCES RESPONSIBLY

Milliken believes behaving ethically encompasses responsibly using resources, such as energy, waste and water. In 1990, Roger Milliken authored our first environmental policy, which directs us "to strive for a goal of zero waste generation to all media—land, air, water—to be achieved by continual improvement in all of our operations." This goal still guides the conduct of Milliken manufacturing operations, the development of new Milliken products and our interaction with our suppliers and customers.

For six years, Milliken has been diligently working to reduce our operational footprint with four lofty goals: achieving a 20% reduction in carbon emissions, energy use, water consumption and waste generation by 2020, as compared to our 2010 baseline.

Since 2010, we have achieved reductions of 9% to 49% in respective categories; however, we recognize these reductions are not as telling as we like, especially in an exciting period of company growth.

For example, in 2016, we saw a more than 15% increase in our production, and therefore, our Scope 1 Emissions increased by 8.89% and Scope 2 emissions increased by 11.17%. Emissions grew less than production; however, our current emissions tracking method identified this as a negative rather than a positive.

For 2017, Milliken is committing to the following:

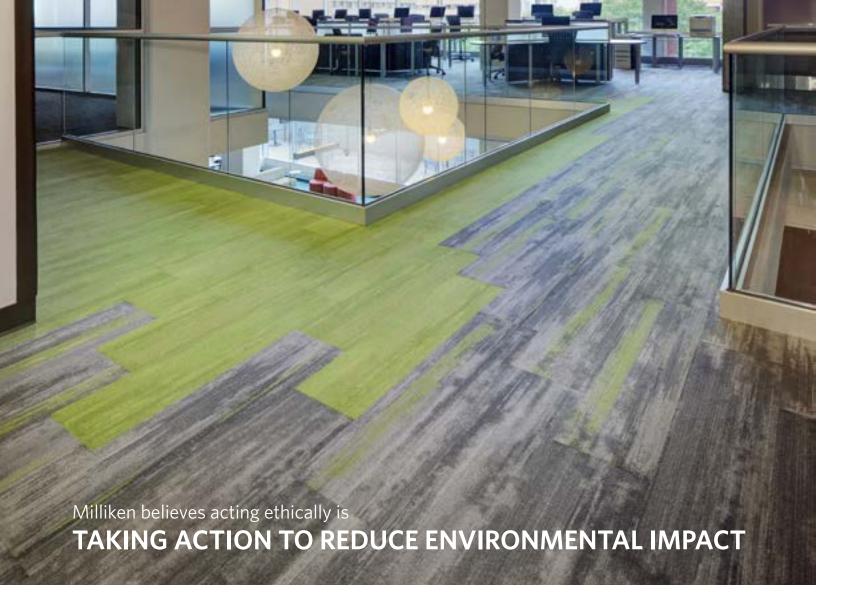
Encouraging continual discontinuing our carbon doing so, we are establishing a mindset that there is always more we can do to reduce our carbon footprint.

Shifting from absolute greenhouse gas (GHG) emissions targets to science-based targets. Through science-based targets, we will have a newly defined pathway for futureproof emissions reductions. We are currently defining these targets through 2017 and will announce updated goals upon completion.

Developing better KPIs production to connect positive business performance to positive sustainability performance.

As we strive to ethically manage our consumption of resources, we also want to improve the quality of the information available for Milliken to make informed decisions on how we impact the environment. Therefore, we will be refining our sustainability dashboard to offer normalized and absolute targets reflecting an appropriate science-based goals methodology. We are not abandoning our goal of 20% reduction by 2020; rather, we are expanding the parameters of that goal for more impact.





As a global flooring manufacturer, we are actively engaged in reducing our environmental impact. Milliken executives routinely interact with the states of Georgia and South Carolina regarding environmentally responsible manufacturing practices, because we firmly believe that Milliken can grow our business while decreasing our environmental footprint. In fact, Milliken emphasizes that many practices to help protect our environment are also good for business, such as making operations more efficient.

Milliken also played a role at the annual Global Green Pre-Oscar Party in Los Angeles in February 2016. The event raised funds for critical environmental initiatives and created global awareness for solutions to climate change. Leading by example, Global Green showcased green lifestyles by featuring everything from a sustainable green carpet and an all-organic menu, to making the event zero-waste and having celebrities arrive in eco-friendly vehicles. All of these efforts appropriately dubbed this party as the green event of Oscar week.

At the center of it all was the launch of the green carpet, manufactured by Milliken using Aquafil's sustainable ECONYL® nylon varn, which greeted celebrity guests as they arrived. Made completely from various nylon waste materials—such as abandoned fishing nets— ECONYL® yarns breathe new life into old products that would otherwise pollute the world's oceans and landfills. The PVC-free green carpet represented just one of the sustainable solutions at this event.

As the U.S. affiliate of Green Cross International, Global Green's signature programs include greening affordable housing, schools, neighborhoods and cities, as well as rebuilding communities that have suffered from the impacts of climate change, sea level rise and environmental degradation.

Milliken believes acting ethically is

CONDUCTING GLOBAL BUSINESS REPUTABLY

Every day our associates make millions of decisions, each one hinging on a shared set of values that has been ingrained into their decision-making framework. This collective system of decisions positively or negatively impacts our ability to act ethically and conduct a socially and environmentally responsible business in a global economy.

Many companies make claims about ethical behavior, but Milliken's approach to values-based business has been consistently recognized and honored. In 2016, Milliken celebrated its 10th consecutive year of being named to Ethisphere® Institute's list of the World's Most Ethical Companies[®]. This designation recognizes organizations around the world that have a material impact on the way business is conducted by fostering a culture of ethics and transparency at every level of the company. Designation is based on scores generated in five key categories: ethics and compliance program (35%), corporate citizenship and responsibility (20%), culture of ethics (20%), governance (15%), and leadership, innovation and reputation (10%).

Milliken makes a conscious effort to instill strong ethical values throughout its daily business practices. The World's Most Ethical Company designation has even prompted our associates to start using the question, "What would the World's Most Ethical Company do in this situation?" as a decision-making framework.

To reinforce this culture of ethical behavior, we maintain an Ethics Help Line for associates to call anonymously. If at any time an associate believes our company's values of honesty, integrity, ethical behavior or compliance with the law may be at risk, the associate can anonymously report their concerns through direct access.

The World's Most Ethical Companies® designation is based on scores within five key categories:

35% **ETHICS AND COMPLIANCE**

PROGRAM

20%

CORPORATE **CITIZENSHIP AND RESPONSIBILITY**

20%

CULTURE OF ETHICS

15%

GOVERNANCE

10%

LEADERSHIP, **INNOVATION AND** REPUTATION

ETHICS HELP LINE DIALING INSTRUCTIONS

CALLING FROM	PHONE NUMBER
United States	1-866-327-8419
Australia	1-800-316-385
China	400-600-2617
France (Telecom)	0-800-99-0011 + 866-327-8419
France (Telecom Development)	0-805-70-1288 + 866-327-8419
India	000-117 + 866-327-8419
Mexico	001-844-367-1592
United Kingdom	0-500-89-001 + 866-327-8419

Accessing the Ethics Help Line from any other country is a two-step process:

- 1. Dial the country-specific direct access code. A list of access codes for each country can be found at the following site: https://www.business.att.com/bt/access.jsp.
- 2. After dialing the direct access code, you should hear a prompt. You should then dial 866-327-8419.

Milliken believes acting ethically is

BEING AN EMPLOYER OF CHOICE

Ethical behavior begins with our associates, which is why we hire exceptional people and invest in their growth. Milliken has a culture of oneness, trust and continuous learning, enabling our associates to grow their personal capabilities and reach their full potential. One of our greatest strengths is the diversity of our associates' talents and ideas. We seek innovators to lead in our quest for discovery, scientists and engineers to lead in our quest for continuous improvement, and strategic thinkers to lead in our quest for future growth.

While no day is the same at Milliken, every day is spent with a purpose and passion for making the world a better place, in ways both big and small. It is a way of being that combines deep science, meaningful design and unique insights to open our minds to the possibilities all around us; to consider challenges with fresh approaches and vigor. It is the way we solve problems and what makes our company unique.

Milliken & Company is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, religion, color, national origin, sex, sexual orientation, gender identity, age, status as a protected veteran or status as a qualified individual with a disability.

Milliken believes acting ethically is

CREATING PRODUCTS WITH THE ENVIRONMENT IN MIND

At Milliken, we deeply understand we only have one planet Earth, which is why we aim to do everything possible to consider it when we manufacture products, when our customers use our products, and when our products reach the end of their useful life.

We are constantly seeking more information about the environmental impacts of the raw materials we select, looking to better understand the impacts of our products in their installation and use, and to design and redesign its recyclability.

For Milliken, acting ethically means employing a holistic perspective: assessing the entire life of our products when evaluating environmental responsibility, and using Life Cycle Assessments and Environmental Product Declarations to measure and communicate their performance.



Simply by recommending the appropriate flooring and installation requirements, we can

PREVENT 75% TO 95% OF FUTURE ENVIRONMENTAL IMPACT - reducing

waste and the need to replace floor covering with new products.

Life Cycle Assessments (LCA)

LCAs allow us to evaluate the environmental impacts of Milliken flooring from raw material sourcing through the end of their usable life. LCAs measure the carbon impact of our products, total embodied energy, and contribution to smog, acidification and eutrophication to help identify areas where we can fine tune green attributes. At the time this report was published, we have conducted LCAs for 100% of the commercial flooring solutions we produce globally and are in the process of completing LCAs for all new products, including those for residential interiors.

Our LCA strategy includes evaluating any new products or any major changes to existing products, and reviewing current collections every three to five years. Our goal is to maintain completed LCAs on 100% of our products by the end of 2017—and 90% of them are already complete.

Environmental Product Declarations (EPD®)

EPDs communicate the results of our LCAs in a 12-15 page summary. EPDs act as a nutrition label of sorts, to highlight the stages across our products' value chains that have the largest environmental impact. Milliken has 29 EPDs available, which cover all standard Milliken modular carpet collections in the Americas, EMEAI and Asia Pacific. We are committed to providing EPDs for 100% of Milliken flooring solutions by 2020.

To manage the life cycle impacts of constructing and producing Milliken floor covering, we utilize our Design for the Environment (DfE) framework, which ensures responsible material selection and production processes.

We use LCAs to determine both positive and negative outcomes of using new products and ingredients. Our LCA data shows us that between 75% and 95% of our products' environmental impacts result from the sourcing and manufacturing of raw materials. When

possible, we develop relationships with suppliers providing locally sourced raw materials or materials with positive environmental attributes, such as biobased ingredients or those containing high percentages of recycled content.

Milliken's DfE framework also guides product design and application evaluation. We have found the single most environmentally impactful action we can take is to correctly specify flooring solutions for their ideal application. Simply by recommending the appropriate flooring and installation requirements, we can prevent 75% to 95% of future environmental impact - reducing waste and the need to replace floor covering with new products. In addition, we can provide innovative solutions to mitigate or resolve past product issues from other manufacturers—flooring failure from subfloor moisture issues as a primary example.

One significant way we promote the proper product for the correct application is by keenly focusing on the carpet backing.

The type of carpet backing, rather than fiber type or face weight, is the chief factor in creating carpet that performs with longevity and durability.

Milliken cushion-backed carpet is designed for a longer usable life, meaning there will be fewer needs to replace it over the long term.

Further, our cushion-backed products are among the industry's best to manage subfloor moisture, which is a common challenge in installing modular carpet.

Moisture management issues in interior environments can become very messy, costly and extremely difficult to repair. In most cases, our modular carpet with cushion backing uniquely safeguards environments and reduces the potential for mold and mildew issues, which could otherwise require total replacement.



Milliken's concern for human health impacts extends beyond the end users of our products.

We place equal emphasis on the human health impacts of our associates and the communities in which we operate, our suppliers' associates, the truck drivers who transport our raw materials, the communities where our raw materials travel, and those who are exposed to our products at the end of their useful life. We evaluate the whole life of flooring when we assess our product's human health performance and use the following tools to communicate the results.

HEALTH PRODUCT DECLARATION®

Health Product Declaration® (HPD) denotes the potential human health risks and hazards of products produced by Milliken. HPDs disclose product components and include environmental and human toxicity components to signal health-related product implications.

DECLARESM

DeclareSM is a voluntary labeling program and database operated by the International Living Future InstituteSM. Declare transparency labels are offered for 14 commercial modular carpet collections in the Americas and EMEAI, and all cushion-backed collections in China. Milliken modular carpet collections comply with the Red List imperative of the Living Building Challenge. Notably, Milliken was the first carpet manufacturer to offer Declare labels in China.

DESIGN FOR HUMAN HEALTH (DFHH)

To manage the impacts of our materials on human health, we evaluate all new and existing supplier materials to understand their human health impacts before purchasing. We do so using our Design for Human Health strategy, developed through WAP Sustainability's Value Chain Chemical Management System (VCCM®).

Our partnership with WAP Sustainability helps us manage the information needed to consider regulatory and voluntary market restricted and cautionary substance lists. This defined business process is a core component of Milliken's new material approval process. Nothing goes into production without evaluation and approval. Further, this process has been third-party verified by GreenCircle Certified, signifying Milliken's operational control of its chemical and ingredient evaluation process.

Another example where we seek positive health and wellness attributes is to consider our products' correct applications and uses.

In heavy traffic areas or areas where standing occurs, we recommend modular carpet with PVC-free cushion backing, which absorbs shock from thousands of footsteps each day. In workplaces providing sit-to-stand desks, the cushion backing helps reduce muscle fatigue as much as 24%. The addition of cushion backing also allows Milliken modular carpet to retain surface appearance up to 40% longer than non-cushioned carpet tiles. This performance is equivalent to a rating of 'severe' against the most rigorous test (TARR) in the industry.

Milliken's cushion-backed modular carpet also absorbs up to 50% more noise than hard-backed carpets and up to 12 times more than hard surface and rubber flooring, creating quieter indoor acoustics deemed imperative for today's open-concept workplaces.

Finally, as mentioned in our DfE examples, our cushion backing enables subfloor moisture vapor to be wicked away rather than trapped. This can improve indoor air quality by reducing damp conditions that attract mold and mildew.



Like many manufacturers addressing sustainability, we struggle with what to do when a slightly healthier product has a much larger environmental burden, and vice versa.

A product's sustainability, as well as health and wellness attributes, are broad and complicated topics. Though the talking points may be simple, the reality is far from black and white. To have an honest conversation about how green or how healthy any given product or company is, we have to account for the fact that competing, and sometimes contradictory, factors are inherent to any holistic environmental or health and wellness strategy.

One example of this conflict can be seen in Milliken's commitment to eliminate Red List Chemicals within our flooring products where possible, such as polyvinyl chloride (PVC) in broadloom and modular carpet. Currently Red-Listed, PVC is used to manufacture select Milliken products, including entry matting and luxury vinyl tile. PVC has long been debated in the carpet industry, and while PVC does have a low carbon intensity compared to similar products, it is difficult to control 100% of the product at the end of its life. Therefore, we use virgin PVC in our performance-driven luxury vinyl tile to ensure stable construction and consistent materials, and to keep the most visible supply



At Milliken, we marry chemical evaluation with LCA, providing the information necessary to make the most ethical, responsible and informed environmental and health decisions.

Milliken believes acting ethically is

PARTNERING WITH SUPPLIERS WHO ADHERE TO & BEHAVE WITH SIMILAR **ETHICAL BEHAVIOR**

Henry Ford envisioned an integrated vertical supply chain where he had total control and maintained complete ownership. That vision would make managing ethical behavior of an entire supply chain much easier, because all suppliers would operate under the same parent organization.

Ford's strategy is more difficult for Milliken, as we maintain relationships with more than 50 global suppliers. Since we do not control 100% of our supply chain, Milliken's Supplier Code of Conduct defines our ethical business expectations for suppliers, which they must review and sign before entering into a business arrangement with us.

Milliken expects our suppliers will operate in an environmentally responsible manner. At a minimum, suppliers should comply with all applicable environmental laws, regulations and standards, including requirements governing chemical and waste management and disposal, recycling, industrial wastewater treatment and discharge, air emissions controls, environmental permits and environmental reporting. Each supplier is also required to implement an environmental management system, which may include: goals to reduce environmental impact, measures and controls (including audits), reporting and training.

Milliken's Supplier Sustainability Program requires all suppliers and vendors to:

- Execute Milliken's Supplier Code of Conduct
- Provide Milliken a material safety data sheet (SDS) for every material
- Provide chemical and ingredient information to 100 parts per million (ppm)
- Provide packaging information with each specific product shipment
- Sign a written agreement assuring no forced or child labor is used
- Create a general plan for community involvement
- Commit to comply with all environmental and safety regulations
- Complete a signed and legally binding procurement policy



We collaborate with our major suppliers to provide more accurate data for LCAs, so our environmental impact evaluations are, in turn, more accurate. By 2020, we aim to expand this throughout our supply chain to all Tier 1 suppliers, to achieve a value chain filled with high-quality LCAs. The result is streamlined data to enable informed decisions about our product ingredients, constructions, applications, installations and cleaning

As Milliken works to promote transparency for our customers, we are also partnering with our suppliers to promote healthier materials and ingredients.

We implemented a program to provide suppliers feedback on the chemical and ingredient performance of products they to facilitate dialogues on product substitutes and replacements.

Making demands to our suppliers is a two-way street. Milliken is committed to treating our suppliers with the highest level of integrity and respect, and this commitment is reflected in our strong supplier relationships. Milliken acknowledges and respects the differences in culture and legal requirements throughout our global supply chain. In addition to demanding more than producing supplies and performing services in strict compliance with all applicable laws, we require supplies and services be produced or performed in an ethically, socially and environmentally responsible manner.



For Milliken, being transparent means being held accountable for our performance. While we have made great strides in reducing our consumption of resources like energy, waste, water and carbon, we have yet to achieve our stated goals. By being transparent with our performance to date, we hope to hold ourselves to a higher level of accountability.

Stewarding the natural resources we consume is a core value for Milliken & Company. The floor covering division has performed favorably in reducing resource consumption during periods of flat growth, but with increased production outputs, we are seeing progress towards our absolute reduction targets decline. We are not on track to meet our 2020 goals of 20% reduction in carbon emissions, energy and waste.

Milliken intends to do our part to protect the environment by using resources responsibly. To improve our performance, we have separated ourselves from our third-party carbon negative certification from the Leonardo Academy Cleaner and Greener® program. Instead, we shifted the conversation internally to one acknowledging we still have work to do. Further, new KPIs and goals normalized to production numbers, hours of operation and number of employees, and the introduction of science-based goals will help us continue to improve our responsible use of resources.

2016 MILLIKEN RESOURCE CONSUMPTION AND CARBON EMISSIONS

	SCOPE 1 EMISSIONS (MT CO2e)	SCOPE 2 EMISSIONS (MT CO2e)	ENERGY (MMBtu)	WATER (m3)	WASTE (tonnes)
Base Year 2010	31,032	56,379	952,258	1,811,782	8,330
2015	27,900	50,506	822,654	923,598	7,241
2016	30,381	56,150	890,389	876,946	7,101
Percent Reduction 2015	-9.02%	-10.42%	-13.61%	-49.02%	-13.08%
Percent Reduction 2016	-2.09%	-0.4%	-6.50%	-51.60%	-14.75%
Target Number	24,825	45,103	761,806	1,449,426	6,665
2015 Percent Left to Achieve Goal	10.98%	9.58%	6.39%	0%	6.92%
2015 Percent Left to Achieve Goal	17.91%	19.6%	13.5%	0%	6.54%
Percent Reduction by Year from 2015	2.20%	1.92%	1.28%	0%	1.38%
Percent Reduction by Year from 2016	4.48%	4.90%	3.38%	0%	1.64%

Milliken believes being transparent is

COMMUNICATING OUR ROLE IN PROTECTING THE ENVIRONMENT

The Paris Agreement in 2015 saw 195 of the world's governments commit to addressing climate change by limiting global warming to well below 2 degrees Celsius. This signified the importance for businesses to play their part in the transition to a low-carbon economy. Milliken wants to demonstrate we have the innovation, expertise and intentions to play our part in the international efforts to limit global temperature rise.

We commit to transparently communicate our efforts to reduce our footprint while increasing our production—and we want to ensure our actions are aligned with current climate science by setting science-based targets.

Science-based targets play an integral part in our efforts to reduce resource consumption. Targets to reduce carbon emissions are considered science-based if they are in line with the level of decarbonization required to keep global temperature increase below 2 degrees Celsius, compared to pre-industrial temperatures, as described in the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC AR5). Science-based targets help reinforce our desire to approach global carbon emissions responsibly and ethically.

The Paris Agreement also highlighted transparency as an important aspect of an organization's commitment to protecting the environment. Milliken will revisit its science-based targets every five years to refine our goals within the parameters of science, to report publicly on how well we are achieving our targets, and to track progress towards achieving our long-term goal through sustainability reporting. By 2018, we will revise our 2020 goals to be science-based goals, and will communicate these goals as a sign of our commitment to the Science Based Targets initiative.

We commit to transparently communicate our efforts to reduce our footprint while increasing our production.

Unearthed, Bedrock 2, manufactured using up to 43% renewable energy through hydroelectric credits and capturing methane gas from the LaGrange, GA landfill.

30 MILLIKEN SUSTAINABILITY REPORT – The Intersection of Ethics and Transparency

Milliken believes being transparent is

SHARING EMPLOYMENT PRACTICES & METRICS RELATED TO BEING AN EMPLOYER OF CHOICE

At Milliken, we aspire to be a company for which people want to work. We recognize associates ultimately choose their employer, and we want to be every associate's first choice. We encourage our global community of innovators to redefine the status quo by pushing the limits of innovation, even if it means failing. It is that bold, unafraid spirit that moves innovation forward.

The floor covering division employs 1,645 associates around the world, and 16% of those associates (257) joined our team in 2016. Milliken celebrated the return of 84% of our work force in 2016, signifying we are an employer of choice for those 1,381 associates.

A key performance indicator for being an employer of choice is if our associates chose to return to work after taking parental leave. In 2016, we had 16 females and three males take parental leave. All 19 associates returned to work.

Gender equality is another important indicator regarding employer of choice, and Milliken creates equal opportunities for all regardless of gender, race or sex. Of our 1,645 total associates, 62% are male and 38% are

female. While the majority of Milliken associates are male, women occupy more than 39% of our management roles, with four out of every 10 management roles led by women. Of the 257 new hires in 2016, 61% were male and 39% were female.





MANAGEMENT **ROLES LED BY WOMEN**





Milliken is committed to being a fair and equitable employer.

We provide excellent benefits, including health, dental and vision coverage. We offer group life insurance, temporary disability insurance for injuries or sickness, long-term disability insurance and death benefits, which cover certain causes of death. To help provide a stable financial situation for associates later in their lives, we also offer employer-provided retirement plans, defined benefit pension plans and defined contribution pension plans.

Promoting fair business practices is important to Milliken, as our associates are free to organize and associate; however, only 22 associates are covered by collective bargaining agreements. Milliken obtained those 22 associates through its acquisition of Ontera Modular Carpets Pty Ltd in Australia.

Milliken also encompasses associate actions when defining elements of employer or choice, ensuring colleagues conduct themselves in accordance with Milliken's shared values. Every year, 100% of our associates review the Milliken Code of Conduct. It is translated into the languages of every country in which we do business, and it is reviewed annually by Milliken's Internal Committee on Compliance and Ethics and the Milliken & Company Board of Directors.



In 2016, 1,645 associates participated in the Personal Responsibility: Code of Conduct ACE compliance training, representing 1,645 training hours. This means 100% of our 2016 employees were trained on how Milliken associates should approach:

Conflicts of interest Information security Policy management Gifts and entertainment Anti-corruption / bribery

Environmental protection

Antitrust / competition

Diversity / equal employment opportunity / discrimination

Fair employment / fair labor standards

Company asset protection

Workplace harassment

Social media

Financial integrity and fraud

Data privacy

Misconduct investigations

Procurement integrity / dealing with suppliers / supply chain oversight

Intellectual property

Workplace health and safety

Non-retaliation

As a direct result of this annual training, Milliken is pleased to report that in 2016, we saw no incidences of discrimination and no grievances related to human rights.

Part of holding ourselves to the highest ethical employment standards is caring deeply about the health and well-being of those who manufacture Milliken products.

Our emphasis on safety has positioned Milliken as one of the nation's top three United States companies for the number of sites receiving the coveted OSHA Voluntary Protection Program (VPP) STAR Certification. Our truck fleet, owned by Milliken & Company, is repeatedly recognized for its safety record by organizations such as the National Safety Council and the National Private Truck Council. Moreover, we have one of the lowest total incidence and injury rates of North American manufacturers.

In 2016, Milliken experienced a year-to-date incidence rate of 0.88*. All incidents were recorded and investigated to understand the root cause and reduce future risk. Incidents range in severity, though there were no operational fatalities during 2016. In fact, Milliken has never had a fatality in our global floor covering division since it started in 1973.

Recordable incidennce rate per 200,000 work hours by manufacturing operation:

GLOBAL MANUFACTURING AND WAREHOUSE LOCATIONS

Live Oak	0.00
Alma	3.07
DMS/Kexll	0.00
Dalton	0.00
Middleton	1.44
Beech Hill	2.18
Zhangjiagang	0.45
Ontera	1.22
TOTAL	0.88



Milliken believes being transparent is

VERIFYING THE ENVIRONMENTAL PERFORMANCE OF OUR PRODUCTS

Milliken shares the environmental impacts of its products using Life Cycle Assessments (LCAs) and Environmental Product Declarations (EPDs). These standardized processes allow Milliken to calculate and communicate the environmental impacts for each product across seven life cycle impact categories.

Beyond LCAs and EPDs, we want to be transparent about the primary materials in our flooring solutions, and where those materials come from. The following table highlights the amount of materials by weight (between 90-95%) of our commercial carpet products made in the U.S. and China, and the raw material extraction location by country. EMEAI raw material extraction information is available by request.

MILLIKEN CARPET RAW MATERIALS BY WEIGHT & COUNTRY OF EXTRACTION

CARPET LAYER	RAW MATERIALS	WEIGHT	RAW MATERIAL EXTRACTION LOCATION*
Tufted Face Fiber	Nylon 6 or nylon 6,6	20-30%	United States (Gulf of Mexico, Texas), China, Thailand, India, Canada
Primary Backing	Polypropylene or polyethylene terephthalate (PED), nylon 6 and recycled PET	4-6%	United States (North Dakota), Canada
Primary Coating	Combination of calcium carbonate and polymer adhesives	10-14%	United States (Alabama)
Secondary Backing	Polypropylene-based thermoplastic layer with rheology modifiers that vary by region	35-45%	United States (Gulf of Mexico, Texas), Canada
Fiberglass Layer	Fiberglass	1-5%	United States (Gulf of Mexico, Texas)

^{*}Americas and Asia Pacific products only

MILLIKEN LVT RAW MATERIALS BY WEIGHT & COUNTRY OF EXTRACTION

CARPET LAYER	RAW MATERIALS	WEIGHT	RAW MATERIAL EXTRACTION LOCATION*
AdámasTM Polyurethane Coating	Polyurethane Acrylate	1%	China
Transparent Wear Layer	Soybean Oil, Calcium Stearate, Zinc Stearate	2%	China
Printed Layer	Carbon Black	< 1%	China
Core Layer	PVC	34%	China
Backing Layer	Calcium Carbonate	55%	China
Non-Skid Backing	DOTP	4%	China

^{*}Americas and Asia Pacific products only

MILLIKEN FLOORING SOLUTIONS CONTAIN A RANGE OF **POST- AND PRE-CONSUMER RECYCLED MATERIALS**

The table below details product lines containing recycled content, and the percentages of post-industrial and post-consumer materials used within the products.

RECYCLED CONTENT IN MILLIKEN MODULAR FLOORING

BACKING	BACKING TYPE	POST-INDUSTRIAL RECYCLED CONTENT	POST- CONSUMER RECYCLED CONTENT
ES/ESP Comfort Plus®	Polyurethane cushion backing	10-46.5%	0-13%
ES/ESP Underscore®	Polyurethane cushion backing	10-46.5%	0-13%
Comfort Plus® / Comfort Lite*	Polyurethane cushion backing	10-18%	0-13%
Function Plus™*	Polymer modified bitumen hard back	0-5%	0-1%
B2®*	Thermoplastic	0%	0%
Luxury Vinyl Tile	Vinyl core and backing layers	0%	0%

^{*}Not available in all regions

MILLIKEN CONSIDERS THE ENVIRONMENTAL IMPACTS OUR PRODUCTION PROCESSES AND RAW MATERIAL EXTRACTION LOCATIONS HAVE ON BIODIVERSITY

As a family of companies, we are committed to ecologically responsible land management and to reducing the long-term impacts of our activities.

Within our LCA process, we measure the ecological impacts of our products through eutrophication, acidification, and contribution to smog and ozone depletion. We recognize the ecological impacts of these categories, and we are working to reduce these categories as part of our LCA and product optimization strategy. We review these impact categories every five years, as well as when we evaluate new products, materials, ingredients or manufacturing processes.

BACKING	EUTROPHICATION POTENTIAL (kg (PO4)3-Eq.)	ACIDIFICATION POTENTIAL (kg (S02-Eq.)	SMOG FORMATION POTENTIAL (kg (Ethen Eq.)	OZONE DEPLETION POTENTIAL (kg (CFC11-Eq.)
ES/ESP Comfort Plus® SDN 6,6 (ES Version)	4.6E-03 to 8.10E-03	3.1E-02 to 4.89E-02	4.9E-03 to 7.72E-03	1.3E-08 to 1.41E-08
ES/ESP Underscore® SDN 6,6 (ES Version)	4.3E-03 to 7.78E-03	2.9E-02 to 4.63E-02	4.5E-03 to 7.33E-03	1.30E-08 to 1.39E-08
Comfort Plus2®* SDN 6,6, 900-1000 gsm version	5.7E-3	3.69E-2	6.23E-3	4.72E-8
Function Plus™*	No Data	No Data	No Data	No Data
B2®* Digital Dye 6,6 Version	5.94E-03	4.50E-02	4.04E-03	2.65E-08
TractionBack®*	No Data	No Data	No Data	No Data
Luxury Vinyl Tile	8.52E-03	1.25E-01	6.17E-03	1.63E-07

^{*} As described by A1-A3 in Milliken's Environmental Product Declarations ** Not available in all regions

As a family of companies, WE ARE COMMITTED
TO ECOLOGICALLY RESPONSIBLE LAND
MANAGEMENT AND TO REDUCING THE
LONG-TERM IMPACTS of our activities.

EUTROPHICATION

The Environmental Protection Agency defines eutrophication as the "enrichment of an aquatic ecosystem with nutrients (nitrates, phosphates) that accelerate biological productivity (growth of algae and weeds) and an undesirable accumulation of algal biomass."

In short, it is the scientific term for the environmentally detrimental effects of fertilizer runoff, phosphate-rich detergents and sewage. Although eutrophication happens naturally, human activity can rapidly speed up the process. For example, agricultural activity applies natural and synthetic substances with high nitrate and phosphate content to land. Only a portion of these substances remain on the land on which they are applied. The portion that does not remain is often carried by rain to neighboring water bodies, where it accumulates and serves as a dense source of nutrients for algae, weeds and other plant life. This plant life grows at such a rapid rate that the aquatic animals and fish cannot feed on the plant life fast enough to keep its growth in check. The result is a water body low in oxygen with limited biodiversity.





thed, Gypsum, manufactured using up to 43% able energy through hydroelectric credits and turing methane gas from the LaGrange, GA landfill.

ACIDIFICATION

Relevant Generic Material Sourcing Declaration Categories for LEED: Biodiversity, Local Water Quality, Habitat

Acidification occurs predominantly through the increase of hydrogen ions (H+) in the environment, due to the direct release of acids (such as nitric acid or sulfuric acid), or by the addition of substances that chemically react to transform other air pollutants into acids. These acids are then deposited onto the soil or into water bodies causing severe

imbalances in the environment that can limit the biodiversity of plant and animal life. A few examples of negative biodiversity impacts of acidification include coral bleaching, death of acid-sensitive plants, and negative changes in the reproduction potential of organisms such as frogs, fish and salamanders.

SMOG FORMATION POTENTIAL

Relevant Generic Material Sourcing Declaration Categories for LEED: Biodiversity, Habitat

Many people who live in industrial regions are familiar with smog. Smog is created in the layer of the atmosphere that is closest to the ground, and it is produced when VOCs and nitrogen oxides react with sunlight. Significant sources of these VOCs and nitrogen oxides are coal-burning power plants and combustion engines.

Smog is also referred to as groundlevel ozone. Although ozone high in the atmosphere serves to protect humans,

animal life and plant life from UV radiation, ozone near the ground has detrimental ecological effects on biodiversity. For instance, smog has been shown to reduce the photosynthetic rate of many important tree species. It has also been shown to increase plants' sensitivity to disease, severe weather and insect damage. By reducing the durability and growth rate of plants, smog serves to negatively change overall habitat quality and reduce the overall efficiency of ecological water and nutrient cycles.

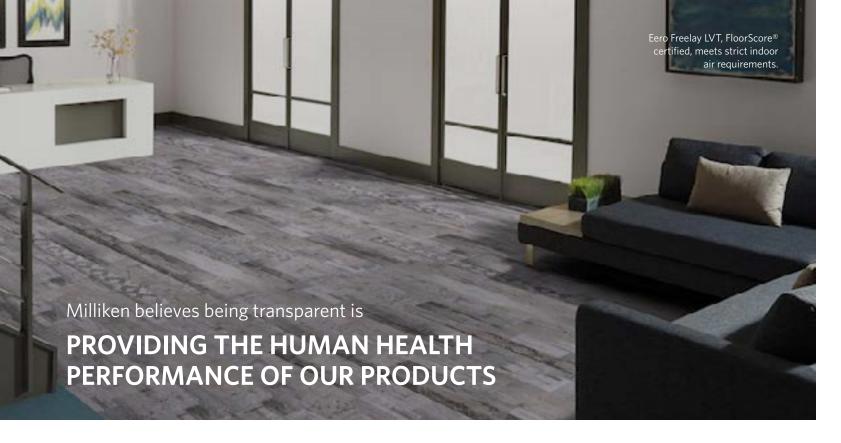
OZONE DEPLETION

Relevant Generic Material Sourcina Declaration Categories for LEED: Biodiversity, Habitat

As previously discussed above, ozone near the ground is harmful to the environment; however, ozone at higher levels of the atmosphere is a good thing. This good ozone, sometimes referred to as "stratospheric ozone," protects humans, animals and plants from extremely harmful solar radiation. Stratospheric ozone is depleted through the atmospheric release of many industrial chemicals.

Without a protective layer of ozone in the stratosphere, health issues such as skin cancer and cataracts in humans would increase significantly. From a biodiversity perspective, stratospheric ozone depletion shifts the solar UV balance plants and

animals have evolved with for millions of years. This causes the developmental and nutrient cycles of plants to change, ultimately slowing or impeding growth. Another major ecological change of ozone depletion occurs in the oceans. Changes in UV radiation from ozone depletion reduce the productivity of phytoplankton. Phytoplankton are small plant-like animals that serve as the food web foundation of ocean ecosystems. A strong phytoplankton base promotes biodiversity and thus, without a phytoplankton base, ocean ecosystems would begin to crash. A similar effect can happen in terrestrial aquatic systems and their adjacent land ecosystems.



REVOLUTIONIZING VALUE CHAIN TRANSPARENCY

Being transparent about 100% of the chemicals and ingredients in products requires a significant shift in managing supplier relationships.

Milliken began our journey to become more transparent with the chemicals and ingredients used in our floor covering solutions by establishing a formal process. This process started with knowing what we should be asking suppliers for, and it expanded to create procedures and work flows for supplier management going forward. This included:

Creating specific processes for how to from new suppliers.



Determining the stage in research and development when we evaluate chemicals and ingredients in a new product.

In addition to managing the exchange of data, we also developed concrete procedures for how to provide transparent feedback on how supplier materials scored in material health.



GreenCircle Certified third-party verified the entire process, to ensure Milliken met the requirements of the USGBC LEED v4 MRc4 Option 3 Credit.

This credit rewards manufacturers who engage in validated safety, health, hazard and risk programs to document at least 99% (by weight) of the ingredients used to make the product; it also ensures processes are in place to communicate and transparently prioritize chemical ingredients along the supply chain according to available hazard, exposure and use.

TRANSPARENCY TOOLS

In addition to being the first floor covering company to obtain this new LEED v4 MRc4 Option 3 certification, Milliken promotes transparency using Health Product Declarations (HPDs), Declare labels and Google Portico. What we learned from the HPD, Portico and Declare processes is that completing accurate and reliable chemical transparency documents can be extremely difficult. Suppliers are often reluctant to share proprietary or intellectual property, which is imperative to create adequate material transparency tools. For this reason, we learned the process of full chemical transparency requires creative solutions, education and negotiation.

As of 2016, Milliken is still working towards completing supply chain data collection for 100% of our materials. This project will be completed in 2017 globally.

Driving the intent for collecting and screening 100% of our chemicals and ingredients is Milliken's goal to phase out any hazardous Red List chemicals used currently in our flooring products by 2020, at the latest. Currently, we have one identified Red-Listed ingredient, polyvinyl chloride (PVC), used in manufacturing select Milliken products, including entry solutions and luxury vinyl tile.



We are fully engaged and working diligently with every one of our suppliers to collect, screen and evaluate all chemicals and ingredients used in our products.



Milliken showroom in London, U.K. Design by M Moser Associates. Photography by Gareth Gardener. Milliken believes being transparent is

DEMONSTRATING TRANSPARENCY IN OUR **SUPPLY CHAIN THROUGH** TRACEABILITY, TRANSPARENCY & ACCOUNTABILITY

As a part of Milliken's overarching efforts to prioritize reducing environmental impacts and promoting health and safety of our workers and customers, we approached our supply chain to better understand the chemistries of the products supplied to us. In these efforts, we reached out to all raw material suppliers within our U.S. flooring operation to understand the chemicals in their raw materials at 100 parts per million, unless otherwise specified.

Milliken believes being transparent is

MAINTAINING OPEN LINES OF COMMUNICATION FOR FEEDBACK

Milliken wants to foster an environment of openness and transparency, which is why we are asking for your feedback about this report, our goals and our intentions. We want to maintain open lines of communications at all times.

Please contact us via: Email - millikencarpet@milliken.com

Or you may directly contact: Philip Ivey, Milliken Strategic Sustainability Leader Phone - **706.302.3245**

Clerkenwell, using Aquafil ECONYL® 100% regenerated nylon yarn, featured at Amidar, Tel Aviv, Israel

As a part of our 2016 initiatives, we required our supply chain to provide us the following information regarding their own environmental, health and safety management systems:

ISO 14001/9001 Certification

- ISO 14001 certification confirms the supplier has a documented and verified EMS system in place.
- ISO 9001 certification confirms the supplier has a documented and verified quality system in place.

Material Health Impacts Policy

• Milliken now expects suppliers to have a material health impact policy. We also look for training, chemical knowledge and screening, and supplier data sheet (SDS) documentation.

Chemicals of High Concern Avoidance

• Milliken requests a policy or approval process for lists or tools our suppliers use to screen chemicals.

Chemical SDS Documentation

• As a part of the "right to know" legislation, Milliken asks suppliers if their company maintains a list of chemicals used in their facilities, along with the corresponding SDS documentation, and if this list is readily available to all associates.

Chemical Information Beyond Requirements

• Milliken is also asking our supply chain what chemical information they collect above legal requirements and what percentage of their supply chain complies with the collection requirement.



As our partnerships advance, we will continue to ask our supply chain to confirm they have the appropriate chemical, environmental, health and safety management processes in place, and we plan to further communicate with our suppliers currently using flagged hazard materials.

Our intent is to collaborate with the suppliers who report select products contain chemicals with associated hazards. We expect our suppliers to develop management systems and plans, which address chemical safety and health with specific targets and goals. These plans should include how the supplier intends to eliminate the use of hazardous ingredients, to minimize the use of hazardous ingredients when elimination is not possible, to transition to more effective control measures where hazardous ingredients remain, and to manage those remaining hazardous ingredients responsibly with a goal of zero exposure and discharge to humans and the environment.

2016 MILLIKEN AWARDS

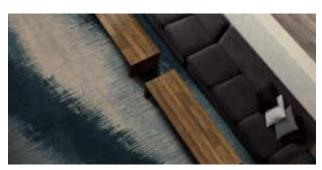
PRODUCTS



Contract's Best of NeoCon Gold winner for Carpet: Modular – Lapidus



Metropolis' #MetropolisLikes at NeoCon winner - Lapidus



Interior Design's Best of Year Awards finalist for Flooring: Carpet/Modular - Unearthed

PROJECTS



2016 ASID Wisconsin Design Awards, Gold – Milwaukee Bucks Corporate Office by Eppstein Uhen Architects, which features Walk The Line in open and private offices



IIDA/HD Product Design Competition winner for Resilient Flooring - Eero, Freelay



BUILDINGS' Product Innovations Awards Merit award for flooring - Freelay



Interior Design's HiP at NeoCon Awards finalist for Workplace: Hard Surface - Freelay

2016 Starnet Design Award, Gold Winner Education - The New Jersey City University School of Business, Jersey City, New Jersey for Flooring: Carpet/Modular - Unearthed

2016 Starnet Design Award, Grand Prize Winner & Gold Winner Corporate – IMM TI, Boulder, Colorado, by OZ Architecture Denver

MILLIKEN & COMPANY AWARDS



2016 World's Most Ethical Companies® by Ethisphere® Institute, 10th consecutive year



South Carolina Governor's School for Science and Mathematics 2016 Townes Award



R&D Magazine's R&D 100 Award, Westex ShieldCXP™



SC InnoVision Award for Technology Integration, $Milliguard^{TM} \ UVX200 \ HF$

AWARDS SPONSORED BY MILLIKEN



Fifth Annual International Interior Design Association (IIDA)

Educator of the Year Award



Second Annual Interior Designers of Canada (IDC)
Design Research Award

MILLIKEN MEMBERSHIPS AROUND THE WORLD



THE AMERICAS

Carpet and Rug Institute (CRI™) Carpet America Recovery Effort (CARE) Health Product Declaration® (HPD) Collaborative International Living Future InstituteSM (ILFI) International Interior Design Association (IIDA) International Facility Management Association (IFMA™) Interior Designers of Canada (IDC) Joint Committee on NSF-140 U.S. Green Building Council (USGBC)*

EMEAI

British Standards Institution (BSI) Carpet Recycling U.K. (CRUK) European Carpet & Rug Association (ECRA) Gemeinschaft umweltfreundlicher Teppichboden (GUT)* International Facility Management Association (IFMATM) Spain Green Building Council® (SpainGBC) U.K. Green Building Council (UKGBC) Union Français Tapis et Moquette (UFTM)

ASIA PACIFIC

China Carpet Standardization Technical Committee Green Building Council of Australia (GBCA) New Zealand Green Building Council (NZGBC)

BUILDING A BETTER FUTURE

Milliken Community Impact Campaign in the U.S.

Milliken's Corporate Impact Campaign took a new form in 2016, looking to broaden philanthropic endeavors in Spartanburg, South Carolina—our global headquarters. Milliken associates had the opportunity to designate their donation to the Strategic Community Impact Organizations of their choosing with missions that align with core Milliken & Company values: vibrant culture, health and safety, and quality education.

DesigningFutures@CDW in the U.K.

AROUND THE GLOBE

In 2016, Milliken hosted the launch of a new initiative called DesigningFutures@CDW, developed to address young people's issue of access to the design, interiors and construction sectors. DesigningFutures@ CDW, which featured work experience and skills training, was championed by Jade-Ilke Creative Solutions and supported by Clerkenwell Design Week, Sketch Studios and Milliken.



STANDARD DISCLOSURES

Page		Standard Disclosures	Page		Standard Disclosures
2	1.1	Statement from the most senior decision-maker of the organization	8	3.5	Process for defining report content
11	1.2	Description of key impacts, risks and opportunities	7	3.6	Boundary of the report
6	2.1	Name of the organization	7	3.7	State any specific limitations on the scope or boundary of the report
6	2.2	Primary brands, products and/or services	47	3.12	Table identifying the location of the Standard Disclosures in the report
6	2.3	Operational structure of the organization, main divisions, operating companies,	7	3.13	Policy and current practice with regard to seeking external assurance for the report
6	2.4	subsidiaries and joint ventures Location of organization's headquarters	8	4.4	Mechanisms for shareholders and employees to provide recommendations or directo the highest governance body
6	2.5	Number of countries where the organization operates, and names of countries with either major operations or that are specifically relevant to the sustainability issues	33	4.6	Processes in place for the highest governance body to ensure conflicts of interest a avoided
5	2.6	covered in the report Nature of ownership and legal form	12, 13, 14, 15	4.8	Internally developed statements of mission or values, codes of conduct, and princi relevant to economic, environmental and social performance, and the status of the implementation
5	2.7	Markets served, including geographic breakdown, sectors served and types of customers/beneficiaries	21	4.12	Externally developed economic, environmental, and social charters, principles, or cinitiatives to which the organization subscribes or endorses
7	2.8	Scale of the reporting organization		440	ŭ .
None	2.9	Significant changes during the reporting period regarding size, structure or ownership	46	4.13	Memberships in associations and/or national/international advocacy organization
45	2.10	Awards received in the reporting period	9	4.14	List of stakeholder groups engaged by the organization
7	3.1	Reporting period for information provided	9	4.15	Basis for identification and selection of stakeholders with whom to engage
2016	3.2	Date of most recent previous report	8	4.16	Approaches to stakeholder engagement, including frequency of engagement by tylend by stakeholder group
7	3.3	Reporting cycle	10, 11	4.17	Key topics and concerns that have been raised through stakeholder engagement, a
7	3.4	Contact point for questions	•		how the organization has responded to those key topics and concerns

ENVIRONMENTAL

Page		Performance Indicators	Page		Performance Indicators
34, 35	EN1	Materials used by weight or volume	36	EN12	Description of significant impacts of activities, products and services on biodiversity in
35	EN2	Percentage of materials used that are recycled input materials			protected areas and areas of high biodiversity value outside protected areas
30	EN3	Direct energy consumption by primary energy source	30	EN16	Total direct and indirect greenhouse gas emissions by weight
30	EN4	Indirect energy consumption by primary energy source	30	EN22	Total weight of waste by type and disposal method
30	EN8	Total water withdrawal by source	36	EN26	Initiatives to mitigate environmental impacts of products and services, and extent of impact mitigation

HUMAN RIGHTS

Page		Performance Indicators	Page		Performance Indicators
28	HR1	Percentage and total number of significant investment agreements and contacts that include clauses incorporating human rights concerns, or that have undergone human rights screening	32	HR5	Operations and significant suppliers identified in which the right to exercise freedom of association and collective bargaining may be violated or at significant risk, and actions taken to support these rights
28	HR2	Percentage of significant suppliers, contractors and other business partners that have undergone human rights screening, and actions taken	28	HR6	Operations and significant suppliers identified as having significant risk for incidents of child labor, and measures taken to contribute to the effective abolition of child labor
33	HR3	Total hours of employee training on policies and procedures concerning aspects of human rights that are relevant to operations, including the percentage of employees trained	28	HR7	Operations and significant suppliers identified as having significant risk for incidents of forced or compulsory labor, and measures to contribute to the elimination of all forms of forced or compulsory labor
33	HR4	Total number of incidents of discrimination and corrective actions taken	33	HR11	Number of grievances related to human rights filed, addressed and resolved through formal grievance mechanisms $ \frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}{2}$

LABOR PRACTICES & DECENT WORK

LA15 Return to work and retention rates after parental leave, by gender

Page		Performance Indicators	Page		Performance Indicators
32	LA1	Total workforce by employment type, employment contract, and region, broken down	32	LA4	Percentage of employees covered by collective bargaining agreements
32	LA2	by gender Total number and rate of new employee hires and employee hires and employee turn- over by age group, gender, and region	33	LA7	Rates of injury, occupational disease, lost days, and absenteeism, and number of work related fatalities by region and by gender

PRODUCT RESPONSIBILITY

· ugo		1 of official section 1
23, 36	PR1	Lifecycle stages in which health and safety impacts of products and services are assessed for improvement, and percentage of significant products and services subject to such procedures

SOCIETY

Page		Performance Indicators	Page		Performance Indicators
33	SO3	Percentage of employees trained in organization's anti-corruption policies and procedures	31	SO5	Public policy positions and participation in public policy development and lobbying
15	SO4	Actions taken in response in incidents of corruption			

THE INTERSECTION OF ETHICS AND TRANSPARENCY

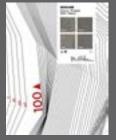
Have you seen our portfolio of floor covering products? Visit us online today.







District LVT







Moraine

MultiForm









Encryptio





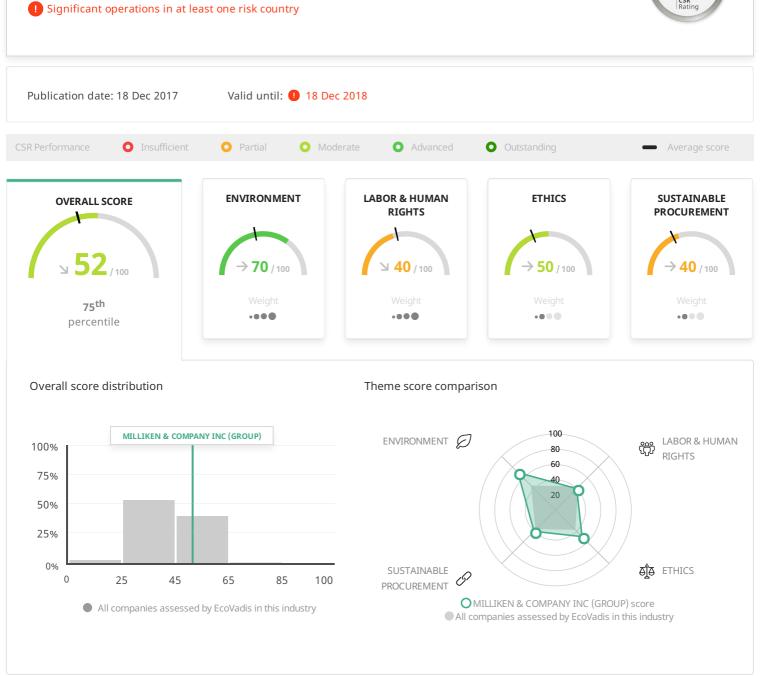




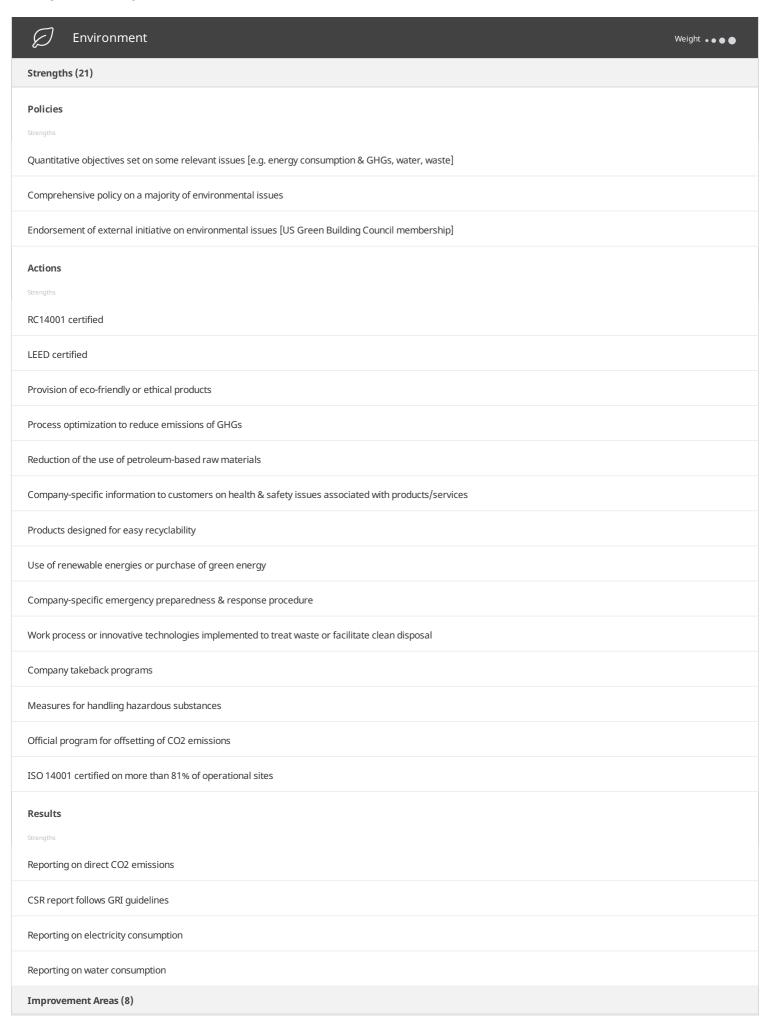
MILLIKEN & COMPANY INC (GROUP)

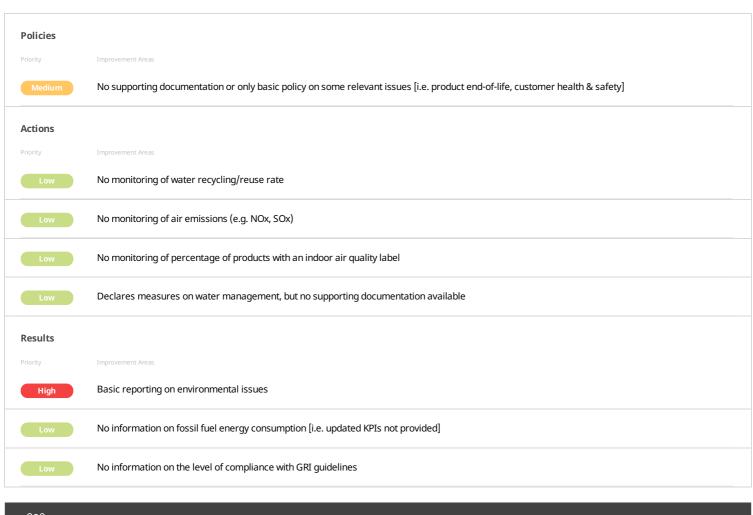
United States of America | Manufacture of other textiles

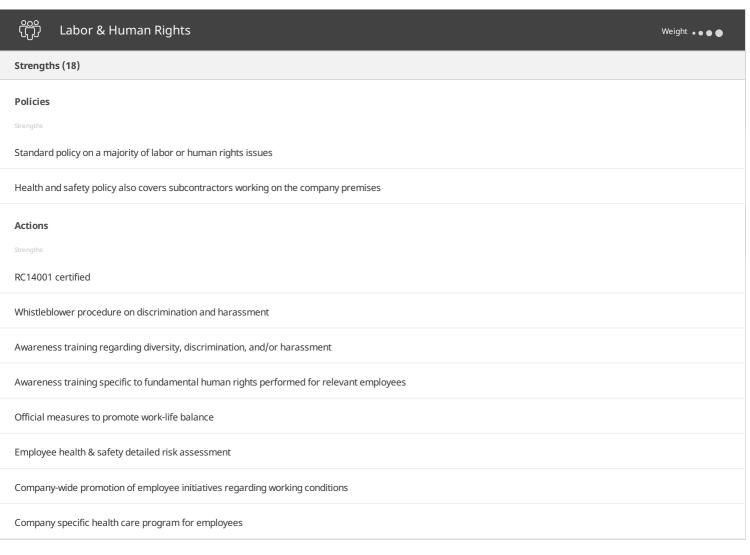




Strengths and Improvement Areas







Active preventive measures for noise exposure						
Official measures promoting career mobility						
Provision of skills development training						
Setting of indivi	Setting of individual career plan for all employees					
Training of rele	Training of relevant employees on health & safety risks and best working practices					
Results	Results					
Strengths	Strengths					
Reporting on the	Reporting on the percentage of women in top executive positions					
Reporting on ac	cident frequency rate					
CSR report follo	CSR report follows GRI guidelines					
Improvement	Areas (12)					
Policies						
Priority	Improvement Areas					
Low	No information on endorsement of external initiatives on labor and human rights issues					
Low	No quantitative target on labor and human rights issues					
Actions						
Priority	Improvement Areas					
High	No supporting documentation on the coverage of labor and human rights actions throughout the company operations/workforce					
Medium	Declares ISO 45001/OHSAS 18001 certification but certificate provided not valid anymore					
Low	No monitoring of average hours of training per employee					
Low	Declares measures on structured social dialogue (e.g. collective agreement), but no supporting documentation available					
Low	Declares that workers' rights to join labor unions, workers' councils, or other collective bargaining organizations are granted, but are restricted in compliance with applicable law					
Low	Does not declare special remuneration or time off for overtime work throughout the entire scope of operations					
Results						
Priority	Improvement Areas					
High	Basic reporting on labor and human rights issues					
Medium	Our 360° screening has identified at least one significant controversy, fine or penalty regarding labor and human rights issues in the last five years (see news flagged with red warning sign in the 360° section) [i.e. violations of U.S. OSHA health and safety standards]					
Low	No information on the level of compliance with GRI guidelines					

Ethics 8[8 Weight $\bullet \bullet \bullet \bullet$ Strengths (8) **Policies** Policy on information security Policies on corruption Actions RC14001 certified Whistleblower procedure to report ethics issues Awareness training on ethics issues Supporting documentation demonstrates a high level of coverage of ethics actions throughout the company operations Specific approval procedure for sensitive transactions (e.g. gifts, travel) Results CSR report follows GRI guidelines Improvement Areas (6) **Policies** No information on endorsement of external initiatives on ethics issues Actions No supporting documentation regarding audits of control procedures on ethics issues No supporting documentation regarding third-party corruption due diligence procedures No supporting documentation regarding corruption risk analysis performed Results No reporting on ethics issues No information on the level of compliance with GRI guidelines

Declares training of buyers on social and environmental issues within the supply chain, but no supporting documentation available

Declares conducting CSR risk analysis (i.e. prior to supplier assessments or audits), but no supporting documentation available

Results

High

ority Improvement Are

No reporting on sustainable procurement issues (e.g. percentage of suppliers evaluated)

360° Watch Findings

11 April 2017

Safety Awards Honor Top Fleets, Drivers and Technicians

http://www.sctrucking.org/news/safety-awards-honor-top-fleets-drivers-and-technicians

This year, companies that entered the Truck Safety Contest traveled over 191 million miles on South Carolina's highways during 2016, including Milliken & Company.

Labor & Human Rights

→ No score impact

23 November 2016

Six Brands of Dry Carpet Cleaning Powder Recalled by Milliken Due to Risk of Exposure to Bacteria

https://www.cpsc.gov/Recalls/2016/six-brands-of-dry-carpet-cleaning-powder-recalled-by-milliken

The dry carpet cleaning powder, manufactured by Milliken & Company, can contain harmful bacteria. Exposure to bacteria poses a risk of respiratory and other infections in immunocompromised individuals. Consumers with healthy immune systems are generally not affected by the bacteria.



→ No score impact

23 August 2016

Proposed OSHA Penalty for Serious H&S Standard Violations

http://www.osha.gov/pls/imis/establishment.inspection_detail id=1172893.015

On August 23, 2016, Milliken & Company's facility of Nicholls, GA, was proposed a \$24,942 fine for two serious violations of U.S. OSHA health and safety standard.

Chi Labor & Human Rights

☑ Impacts score

1 October 2015

St Julien (Ardèche) : les salariés de Milliken expriment leur inquiétude

http://france3-regions.francetvinfo.fr/rhone-alpes/st-julien-ardeche-les-salaries-de-milliken-expriment-leur-inquietude-819703.html

Un comité d'entreprise extraordinaire se tient aujourd'hui à St Julien en St Alban chez Milliken, une entreprise textile dont la pérennité semble menacèe.Le personnel exprime son inquiétude après la cession de la société "à une SARL n'employant à ce jour aucun salarié".



→ No score impact

12 February 2015

Milliken closing Greenville textile plant

http://www.washingtontimes.com/news/2015/feb/12/milliken-closing-greenville-textile-plant/

A Spartanburg textile company says it will close a mill in Greenville that employees about 200 people. Multiple media outlets reported that Milliken & Co. said Wednesday it's closing the Judson Plant to consolidate operations in other plants.



→ No score impact

8 August 2013

HSE Improvement Notice Served against Milliken Industrials Ltd

http://www.hse.gov.uk/notices/notices/Notice_details.asp? SE=CN&SV=304945907

In August 2013, an Improvement Notice was served against Milliken Industrials Ltd by the Health and Safety Executive. A inspection audi revealed the company reportedly failed to take effective measures to prevent access to dangerous parts of the calendar take off line.

<u>000</u>		
လုံ (႐ှာ Labor	& Human	Rights

 \rightarrow No score impact

9 January 2013

Milliken's Keys to Employee Engagement, Increased Workplace Safety and Productivity

http://ehstoday.com/safety/millikens-keys-employeeengagement-increased-workplace-safety-andproductivity

A 2011 Gallup Poll of American workers found 71 percent "not engaged" or "actively disengaged" in their work. In stark contrast to these findings, Milliken & Co., including its Johnston plant, is experiencing engagement levels at an all-time high.



ights → No score impact

30 October 2017

No records found for this company on Compliance Database

null

→ No score impact

Specific comments

The company is not included in any compliance-related watch lists or sanction lists.
No new document/information has been sent nor made available since the last assessment.
The company demonstrates an advanced management system on environmental issues.
Since the last assessment, the overall score has decreased due to new controversies or condemnations (see 360° watch findings).
Some supporting documents were considered too outdated to be included in this assessment.

You are receiving this score/medal based on the disclosed information and news resources available to EcoVadis at the time of assessment. Should any information or circumstances change materially during the period of the scorecard/medal validity, EcoVadis reserves the right to place the business' scorecard/medal on hold and, if considered appropriate, to re-assess and possibly issue a revised scorecard/medal.

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Maintenance

Recommended maintenance procedures for Milliken carpet.

BARRIER MATS

This is *not* a shameless plug. Yes, we're doing a little bit of cross-promotion here, but the fact is — some type of entry system is an important component of good carpet maintenance.



Barrier mats should be placed at all entrance ways into the facility. It's also a good idea to place mats in locations with a transition from hard-surface flooring to carpet. This will help to prevent soil from being tracked onto the carpet — it will look better and last longer. Mats should be vacuumed daily and cleaned (or replaced) frequently — depending on weather and use.



Basic Carpet Maintenance

VACUUMING

Proper vacuuming is an important part of a total preventive maintenance program.

Ineffective equipment or procedures will accelerate the appearance of wear by allowing dirt and grit to penetrate the pile surface. Accumulation can lead to indoor air quality problems — especially the smaller respirable particulates.

Suggested vacuuming frequencies:

HIGH TRAFFIC: Every full work day. Entrances, exits, lobbies, food service areas, main corridors, and elevators.

MEDIUM TRAFFIC: Every other work day. All secondary corridors, conference rooms, and private offices.

LOW TRAFFIC: Once a week. Minimal use corridors, rarely used conference rooms, etc.

SPOT CLEANING

Spots and stains are one of the first things people notice. In addition to regular maintenance, it's critical that spots and stains be removed on a daily basis. In most cases, daily spotting is the responsibility

of the janitorial or housekeeping staff.

Milliken recommends the use of a Capture®

Spot Kit for treating most spots. We do not recommend using spotting agents containing solvents — they can leave residue and possibly damage the carpet.

REGULAR CLEANING

Regular cleaning of the carpet is required

to remove ground-in soil and soil that has bonded to the fiber. We recommend hiring a milliCare® Textile and Carpet Care specialist for this purpose. Customers choosing not to use milliCare should use hot water extraction as an acceptable alternative.

The procedure should remove as much detergent residue, soil and debris as possible. After cleaning, the carpet should be allowed to dry fully using blowers and fans.

Milliken recommends using only cleaning products and hot water extraction units which have received the Carpet and Rug Institute Seal of Approval. It makes a difference. You can find a list of approved products and extractors at: www.carpet-rug.org.



Maintenance

CARPET CLEANING

Regular cleaning of the carpet is required to remove ground in soil and soil that is bonded to the fiber. To ensure the optimum performance and appearance retention, Milliken recommends using the MilliCare Dry Carpet Cleaning system to maintain your carpet.

MilliCare is both CRI Seal of Approval and Green Seal Certified and MilliCare is an IICRC Certified training provider. Service is available through a MilliCare Textile and Carpet Care® specialist; the nearest service provider can be located at: www.millicare.com.

PREVENTATIVE PROCEDURES

- 1. Barrier Mats—Barrier mats should be placed at all entrance ways into the facility and at locations were there is a transition from hard surface flooring onto the carpet if possible. This will help prevent soil from being tracked onto the carpet, improving its appearance and extending its life. Barrier mats should be vacuumed daily and cleaned or replaced frequently depending on the weather and use.
- 2. Vacuuming—Proper vacuuming is one of the most important parts of a total preventive maintenance program. Ineffective equipment or procedures will accelerate the appearance loss of the carpet by allowing dirt and grit to penetrate the pile surface. The accumulation of this soil, especially the smaller respirable particulates, can lead to Indoor Air Quality problems.

The janitorial / housekeeping staff is typically assigned the task of scheduled vacuuming. Vacuuming frequencies should be determined by four factors:

- Type of carpet installed and appearance expectations.
- Type and quality of vacuum used.
- Expected traffic for each area of the facility.
- Soiling environment of each area of the facility.

A commercial upright vacuum with a beater brush is recommended for vacuuming of all carpet. Regular maintenance of vacuums is also essential. Vacuums should be emptied and inspected after every use. Particular attention should be paid to the condition of the brushes. Also, make sure that there is no material obstructing the air-flow channel.

Typical vacuuming frequencies are as follows:

- High traffic: Every full work day. All entrances, exits, lobbies, food service areas, main corridors, elevators, funnel and pivot points. The
 vacuum should make a minimum of three passes in all high traffic areas.
- Medium traffic: Every other work day. All secondary corridors, conference rooms, private offices.
- Low traffic: Once a week. Minimal use corridors, rarely used conference rooms and training rooms.
- 3. Spot Cleaning—Spots and stains are one of the biggest detriments to high appearance levels. In order to maintain a consistent appearance level between periodic maintenance, it's critical that spots and stains be removed on a daily basis. In most cases, daily spotting is the responsibility of the janitorial or housekeeping staff. Milliken recommends the use of a MilliCare® Spot Kit or Capture® Spot Kit for treating most spots, following these procedures:
 - Remove as much excess material as possible prior to spot removal. Blot up liquids with a clean white terry cloth, vacuum up soil and gently scrap up encrusted material.
 - Spray Capture Pre-mist onto a clean, white terry towel and work in gently. Do not scrub. Blot, absorbing as much of the spot into the
 towel as possible. Work from the outside edge of the spot into the center to prevent spreading.
 - Apply Capture dry carpet cleaner to the spot. Gently agitate with a brush. Wait 30 minutes, and vacuum.

NOTE: Milliken does not recommend using any spotting agents containing solvents as they can leave residue that contributes to resoiling and can possibly damage the carpet.



Continuing a Legacy

As early as 1900, Milliken documented its first recycling policy. We were reusing packaging and textile materials shortly thereafter, and our first investment in renewable energy came in 1912.

NO CARPET TO LANDFILL PLEDGE

Since 2002

Milliken has reduced its eco-footprint

50% OVER 15 YEARS



Milliken is a

FOUNDING MFMBFR

of the U.S. Green Building Council

Stewards

For over a century, Milliken has focused on innovations to eliminate waste, increase product performance, preserve resources and shorten the journey to sustainability.

A Few Environmental Highlights (so far)

1900	Milliken's first recycling policy is documented			
1912	Milliken's first hydroelectric plant opens using renewable energy			
1947	Milliken Research Corporation is established			
1962	Milliken builds waste water treatment plants before regulatory agencies are established			
1976	Milliken establishes a formal worldwide environmental management system			
1985	Milliken is verified as a carbon-negative manufacturer			
1986	Milliken introduces PVC-Free Carpet in North America — removing 850 million tons from the production cycle			
1993	Milliken becomes a founding member of USGBC			
1995	Milliken becomes a founding member of the European Association of Environmentally Friendly Carpets			
1997	Milliken achieves ISO 14001 certification at our European Carpet plant			
1999	Milliken achieves ISO 14001 certification for all US manufacturing plants			
2001	Milliken achieves the first BRE LCA profile for soft floor covering			
2002	Milliken becomes a founding member of CARE, and adopts a "No Carpet to Landfill" policy			
2005	Milliken becomes the first carpet manufacture to use methane from landfill			
2008	Milliken becomes a founding member of Carpet Recycling, UK			
2011	Milliken uses the industry's first 100% Recycled Nylon			
2013	Milliken publishes its first Environmental Product Declarations			
2014	Milliken publishes its first product Transparency Labels through Living Building Challenge			
2015	Milliken publishes its first Global Sustainability Report			
2017	Milliken becomes a founding member of the Well Living Lab			
2018	All Milliken modular carpet manufactured in North America is certified Red List Free, with third-party verification, by ILFI			



A Holistic Approach

Our approach to sustainability puts the focus on a product's whole life, not just its end of life. Our products deliver a multitude of benefits that begin at installation and continue to accumulate throughout a lifetime of use.

2011, industry first:

100% RECYCLED NYLON



Milliken is a

FOUNDING MEMBER of the Well Living Lab.



2018, All Milliken modular carpet products manufactured in North America are Red List Free, with third-party verification.

Past the First Glance

So often, conversations about sustainability begin (and sometimes end) with "what happens to my carpet when I'm done with it?" But that's only the final chapter in a much larger story.

Any thoughtful approach to sustainability

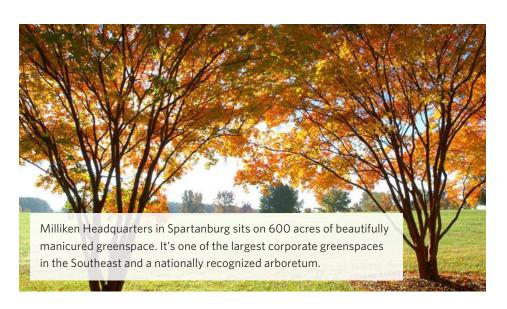
involves a complex relationship between many different factors: environmental, energy usage, health & wellness, ethics — the list goes on. Milliken has a long history of environmentally responsible behavior. We adhere to a holistic, balanced methodology when making sustainability decisions about our manufacturing processes and products.

AN ENVIRONMENTAL LEGACY

As early as 1900, Milliken documented its first recycling policy. We were reusing packaging and textile materials shortly

thereafter, and our first investment in renewable energy came in 1912.

The Milliken family of companies maintains 130,000 acres of sustainably managed forests, capturing carbon dioxide and helping to offset emissions from our global operations. We have a 'no carpet to landfill' pledge — our US carpet manufacturing facilities have sent zero waste to landfills since 1992. Every Milliken facility rigorously follows a Reduce, Reuse, Recycle methodology.





The Big Picture

The wide-ranging benefits of our carpet products fit into **Milliken's comprehensive approach** to sustainability.



IT BEGINS WITH CUSHION

Unlike many manufacturers,
Milliken uses WellBAC™ cushion
backing for the majority of our carpet products. Cushion provides
myriad health & wellness,
durability, performance, and
sustainability advantages
over hardback throughout the
carpet's entire lifespan.

USE LESS, AND LESS OFTEN

It's always best to use less, and less often. Cushion, not fiber type, is the most important factor affecting carpet durability. Milliken cushion-backed carpet will last 40 to 50% longer than virtually any hardback product.

KEEPING MOLD AWAY

Milliken cushion backing is the most effective in the industry at managing moisture, which is actively wicked away from sub-floors, reducing conditions attractive to mold and mildew.

HEALTH & WELLNESS

An independent study by the University of Pittsburgh* revealed that cushion backing decreases muscle strain by 24% for the people who stand and walk on it, hour after hour. Again: Life vs. end of life. People may notice improvements in both comfort and fatigue — and the cumulative benefit over weeks and months can have an impact on overall health.

Acoustically, Milliken cushioned carpet is significantly quieter than hard floors or hardback carpet. It helps to contain sound, making spaces feel less frenetic, and more intimate.

A Glimpse into the Future

RE-VISION

We are innovators. When it comes to sustainability, here's what that means: we built our own proprietary, closed-loop, carpet tile reprocessing system, on-site, at our manufacturing facility in Wigan, England. Once operations are at full capacity in the UK, Milliken will expand the system to our plants worldwide. It's called Re-Vision.

Re-Vision uses a cutting-edge technology called Pyrolysis that converts Milliken and non-Milliken carpet tile into:

- Post-consumer content suitable for reuse in new carpet tile backing, and
- Production energy used directly on-site for the manufacture of new carpet tile.

Pyrolysis-generated steam completely offsets the natural gas usage that would have been required to operate it. Based on data from the pilot plant we are currently running, all the usable material Milliken is recovering from discarded carpet is produced with no net CO2 emissions.

We are manufacturing new carpet tile — powered partially by energy we recover on-site — using recycled raw material we reprocess ourselves, also on-site.

Re-Vision: Milliken's next step toward a sustainable future.



Transparency

Milliken proactively seeks alternative sources of sustainable raw materials. We document suppliers' use of recycled materials, their consumption of renewable energy and any chemicals of concern, as part of our strict supplier approval process.

CONTENT: NO HIDING

Here's what we think:

People should easily be able to find out if there's any bad stuff in the products they're buying. That's why we strongly support transparency. It's literally as simple as that.

Based on the WELL Building Standard, 90% of a company's total budget is tied up in people-related expenses. An office filled with healthy, happy people is a more pleasant workplace, and a more productive one.

Our commitment to transparency is one way Milliken can help lead the way toward building healthier workplaces. That's why we've been such active participants in the International Living Future Institute's

Declare® program — voluntary labeling designed to fully disclose the ingredients in a manufacturer's products. ILFI is also the umbrella organization responsible for the Red List — the worst-in-class materials prevalent in the building industry.

A REAL MILESTONE

Milliken is proud to announce that as of January 1, 2018:

All Milliken modular carpet products manufactured in North America are Red List Free, with third-party verification.

If that seems ho-hum in any way, ask another carpet manufacturer how many of their products are. We are the **single** company who manufacture *only* Red List Free modular carpet throughout North America.

Milliken Transparency Commitments

ILFI's Declare®, a voluntary labeling program disclosing the ingredients of our floor coverings

Living Building Challenge™ Red List Free. Third-Party Verified

Environmental Product Declarations, UL® sustainability reporting on the environmental impact of goods and services and IBU

Multi-Attribute Sustainable Certifications, NSF-140 Gold and Platinum, BREEAM Life Cycle Analysis Greenguide rating, Singapore Green Labeling Scheme (SGLS), Australia Carpet Certification Scheme (ACCS-ECS level 4)

CRI Green Label Plus, a distinction awarded to products emitting very low levels of VOCs, meeting **CA Department of Public Health Section 01350** specifications

ISO14001 and ISO9001 Certifications

Health Product Declaration® (HPDs) published to Google's Portico





3rd Party Verified, Red List Free

Red List Free Cushion Backing

- Milliken's PVC free Carpet Tiles meet the stringent criteria for <u>Red List Free</u> as designated by the Living Building Challenge.
- Milliken Red List Free Declare Labels have been 3rd Party Verified for accuracy, the first product to receive this designation in the industry; going beyond LEED v4 requirements.
- All Milliken Suppliers have disclosed the ingredients for our raw materials to 100 Parts Per Million (PPM)
- All ingredients screened against the Living Building Challenge "Red List", Cradle to Cradle Banned List, and Greenscreen List Translator.

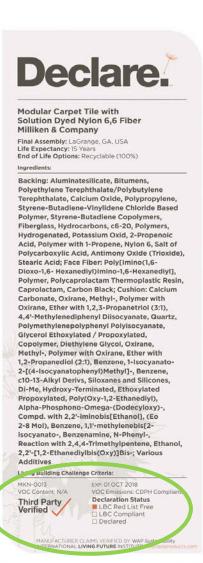
Modular Carpet Tiwell with Solution Dyed Nylon 6,6 Fiber

Milliken



PRODUCT DESCRIPTION:

Modular Carpet with Solution Dyed Nylon 6,6 Face Fiber with Underscore or Comfort Plus Backing.





Milliken Joins Well Living Lab

The WELL Building Standard stresses the following points:

90% amount of time we spend indoors, on average

90% average percentage of a company's total operating cost spent on people

portion of our overall health we can attribute to our physical and social environments

The spaces we create are important. Because we spend so much time in them. Because they have a real effect on our well-being. And because it makes economic sense for us to create spaces that are great.

At Milliken, we try to make products that perform well for people, by designing all kinds of intrinsic benefits directly into them. We join 18 other building science and medical research leaders in coming together to creating healthier spaces in which we live and work. We will contribute to the work by:

- Applying material transparency and selection knowledge gleaned from the floor covering industry.
 Diving into the material make-up of Milliken flooring products allowed for the company to better understand and ultimately, make more informed decisions about sourcing materials for responsible product development.
- Advocating for safety and wellness principles, which Milliken has a legacy of developing and implementing.
- Serving as a resource in health, wellness and environmental matters extending beyond the built environment.





The WELL Building Standard

WELL Living Lab

Milliken is proud to be an Alliance Founding Member of the WELL living Lab. Our goal is to partner with the Lab to generate new knowledge and interact with Lab experts from a wide range of scientific, medical and technical backgrounds to help inform future iterations of the WELL Building Standard and to help us optimize our products to maximize their impact on health and wellbeing in the built environment.

WELL Building Standard

Milliken is actively pursuing WELL Certification on our showrooms and offices. Our Chicago Showroom was certified with WELL Platinum in 2018:

- 1. First WELL Certified™ space in the Chicago Merchandise Mart
- 2. First WELL Certified™ Platinum space in Chicago
- 3. 100th WELL Certified™ Project Globally
- 4. Currently certifying San Francisco Showroom with WELL Version 2
- 5. WELL Portfolio Signature 16+ Properties registered for WELL v2

Milliken Solutions for Features in the **WELL Building Standard**[™](v1)



FEATURE 4 VOC REDUCTION

Milliken carpet tile, broadloom, LVT, and adhesives meet the criteria for VOC emissions for Feature 4, Part 3 (Flooring).

FEATURE 8 | HEALTHY ENTRANCE

Milliken's Entry Systems — like Obex and walk-off mats — help to contribute to Part 1 of this feature, which addresses the need to capture particulates from occupant shoes.

FEATURE 11 | FUNDAMENTAL MATERIAL SAFETY

Milliken meets the requirements for Part 1 (Asbestos and Lead Restriction) — our products do not contain asbestos or lead.

FEATURE 12 MOISTURE MANAGEMENT

Part 4 deals with the advantages of moisture-tolerant materials. Milliken cushion-backed carpet tile products offer a moisture wicking mechanism, and superior moisture management.

FEATURE 25 TOXIC MATERIAL REDUCTION

Milliken carpet tile satisfies the requirements of Parts 1-4 — it does not contain PFCs, Halogenated Flame Retardants, Plasticizers, or Isocyanate-based polyurethane.

FEATURE 26 | ENHANCED MATERIAL SAFETY

Milliken modular tile and broadloom products qualify for this requirement with our Third-Party Verified Declare labels.

FEATURE 28 CLEANABLE ENVIRONMENT

Milliken carpet tile and LVT can meet this requirement, which deals with the ability to easily and thoroughly clean flooring.

FEATURE 87 BEAUTY AND DESIGN I

Milliken designs can contribute to this feature.

FEATURE 97 | MATERIAL TRANSPARENCY

Milliken satisfies Parts 1 & 2 of this feature with our Third-Party Verified Declare labels, published on the Milliken website.



Milliken Capabilities

Site-Related Solutions

- Milliken modular carpet is non-reactive and contains to PVC or plasticizers. This greatly simplifies floor prep and eliminates the need of old adhesive removal.
- No chemical incompatibility exists between Milliken modular carpet and any existing floorcovering adhesive, including "cutback", asphalt emulsion, general purpose adhesive, and epoxy.
- Milliken does not require moisture testing prior to installation in almost every situation. There are no RH or pH limits.
- Milliken's cushion backing allows moisture and water vapor to evaporate through its open-cell polyurethane so the formation of liquid water is almost impossible.
- Installation of Milliken modular carpet can begin in as quickly as 90 days after the concrete pour is complete and only 30 days with Milliken Moisture Extreme Spray adhesive.

Product Benefits

- Cushion-backed carpet provides 40-50% more noise absorption versus hard-back products.
- Milliken attached cushion backing will add 40% to the life of the carpet tile compared to hard-back carpet tiles. This is due to the absorption of foot traffic which reduces pile crush significantly.
- A research study conducted at the University of Pittsburgh shows that Milliken attached cushion decreases muscle strain while standing by up to 24% versus competitor products.
- Milliken carpet tile comes standard with StainSmart (proprietary stain resist) and AlphaSan (proprietary anti-microbial). As the world's largest privately held textile and chemical company, we have the advantage of inventing our own chemical solutions to create "smart fabrics" which perform at a higher level.
- Milliken carpet tiles have the option of a system which does not require traditional carpet tile adhesive (TractionBack).
- Most of Milliken carpet tiles have 6,6 nylon vs. 6 nylon.
- Milliken has a unique Digital Dye Infusion technology and offers customization on products.

Sustainability

- All Milliken Carpet tile is fully recyclable and most has significant recycled content in the finished product.
- Milliken is a founding member of the WELL Living Lab along with CBRE, IBM, Panasonic, StructureOne, HKS, Arup, IFF, KETRA, Hines, Lendlease, Sino-Ocean, View, Essentia, and HOK.



Milliken Capabilities

- The WELL Living Lab evaluates relative impacts on people in office environments as it relates to acoustics, temperature, humidity, filtration, ventilation, physical activity at work, fatigue, sit-stand, nutrition at work, connection to nature, human proximity, and light.
- Milliken is actively pursuing WELL certification on our showrooms and offices.

Government Expertise

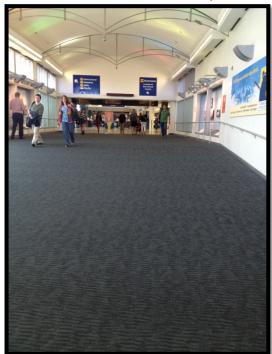
- Milliken has experience working with state, local, and federal agencies, as well as the military and GSA – including preferred price schedules and procurement.
- We have state, local, and federal contracts currently in place. Each one is specifically tailored to meet the needs of government at the federal, state or local level, non-profits, municipalities, plus K-12 as well as higher education systems.

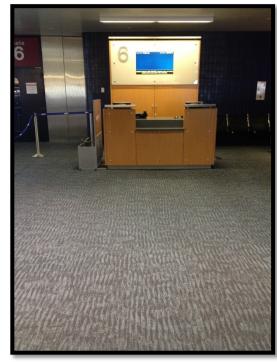
Warranties

- Milliken has 15 Lifetime product warranties.
- Milliken attached cushion comes with a Lifetime warranty against mold and mildew forming under the carpet tile leading to inferior indoor air quality. This is due to the "breathability" of the attached cushion.



Oakland International Airport - Oakland, California





Yardage: 12,000 Installed: 2010 Product: Ghost Artist Contact Information: Eddie Vallsenor, Facilities evillasenor@portoakland.com

(510) 563-3925

Calgary International Airport - Calgary, Alberta





Yardage: 10,000 Installed: 1997

Product: Custom Midnight Sparkle

Contact Information: Lori Borgo, Facilities Manager

lorib@yyc.com (403) 735-1365



Baltimore-Washington International Airport - Baltimore, Maryland





Yardage: 16,000 Installed: 2006-2013 Product: Custom Colorweave Contact Information: Madhuri Subramaniam msubramaniam@bwiairport.com

(410) 859-7120

Dubai International Airport - Dubai, United Arab Emirates





Yardage: 51,800 Installed: 2011 Product: Custom Colorweave

Contact Information: Sebastian Anthony

Sebastian.Anthony@dubaiairports.ae

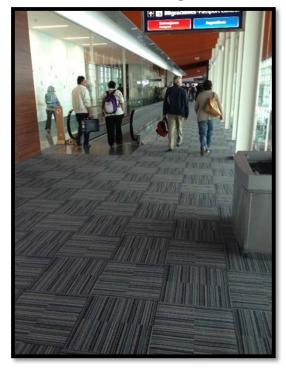
115.46

(971) 4 216 1258



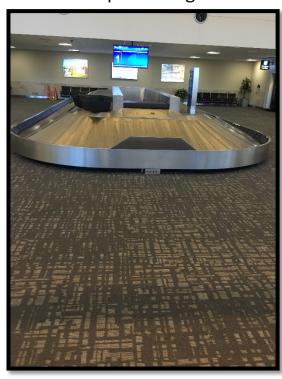
International Airport Ministro Pistarini - Buenos Aires, Argentina





Yardage: 2,000 Installed: 2013 Product: Talkative Rain Contact Information: Mr. Gerardo Pucciarello gpucciarello@aa2000.com.ar

Greenville-Spartanburg International Airport - Greenville, South Carolina





Yardage: 2,000 Product: Monuments & Shrines Installed: 2015 Contact Information: Kevin Howell, VP/COO

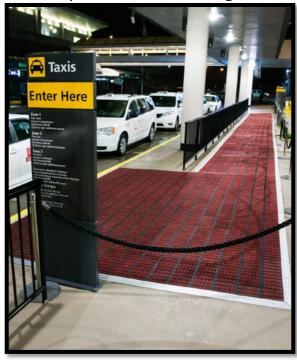
Khowell@gspairport.com

(864) 848-6269



Hartsfield-Jackson Atlanta International Airport - Atlanta, Georgia





Product: OBEX Installed: Various Installations Contact Information: Rod Ozust, Executive Director r.ozust@aatc.org 404-530-2107

Minneapolis Convention Center - Minneapolis, Minnesota

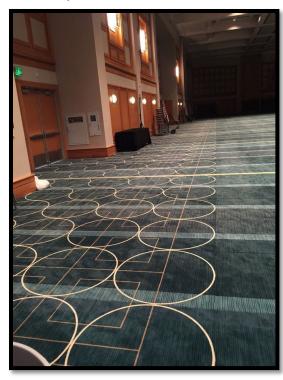




Yardage: 26,000 Product: Custom Contact Information: Randy Rasmussen, Facilities randy.Rasmussen@minneapol ismn.gov (612) 335-6247



Minneapolis Convention Center - Minneapolis, Minnesota



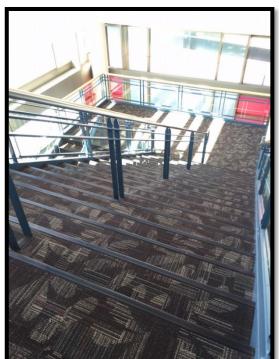


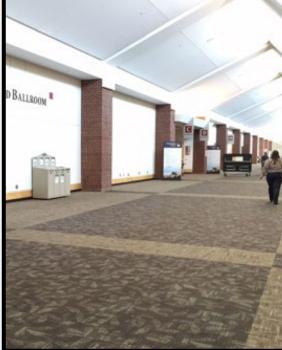




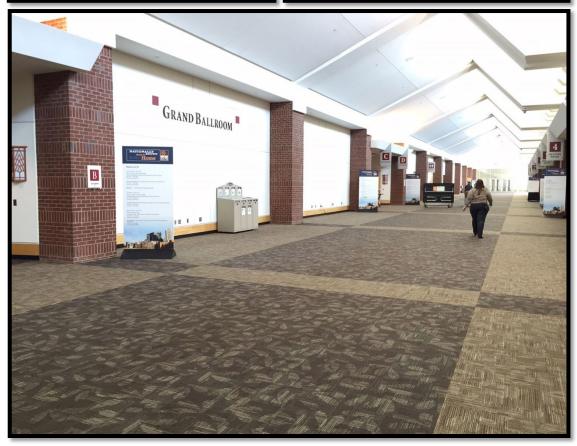


Minneapolis Convention Center - Minneapolis, Minnesota





Yardage: 10,000 Product: Remix Bebop Installed: 2006 Contact Information: Jim Ibister, General Manager Jibister@WILD.com (651) 265-4801





New Orleans Convention Center - New Orleans, Louisiana





Yardage: 70,000 SF Installed: 2007

Product: Grand Plaza Custom

Tile

Contact Information: David Mason, Dir. of Construction

dmason@mccno.com (504) 582-3041

Tulsa Convention Center - Tulsa, Oklahoma





Product: Monuments & Shrines Installed: 2011 Contact Information: John Dodd, Director of Operations jdodd@smgtulsa.com (918) 810-2447



Design Intent

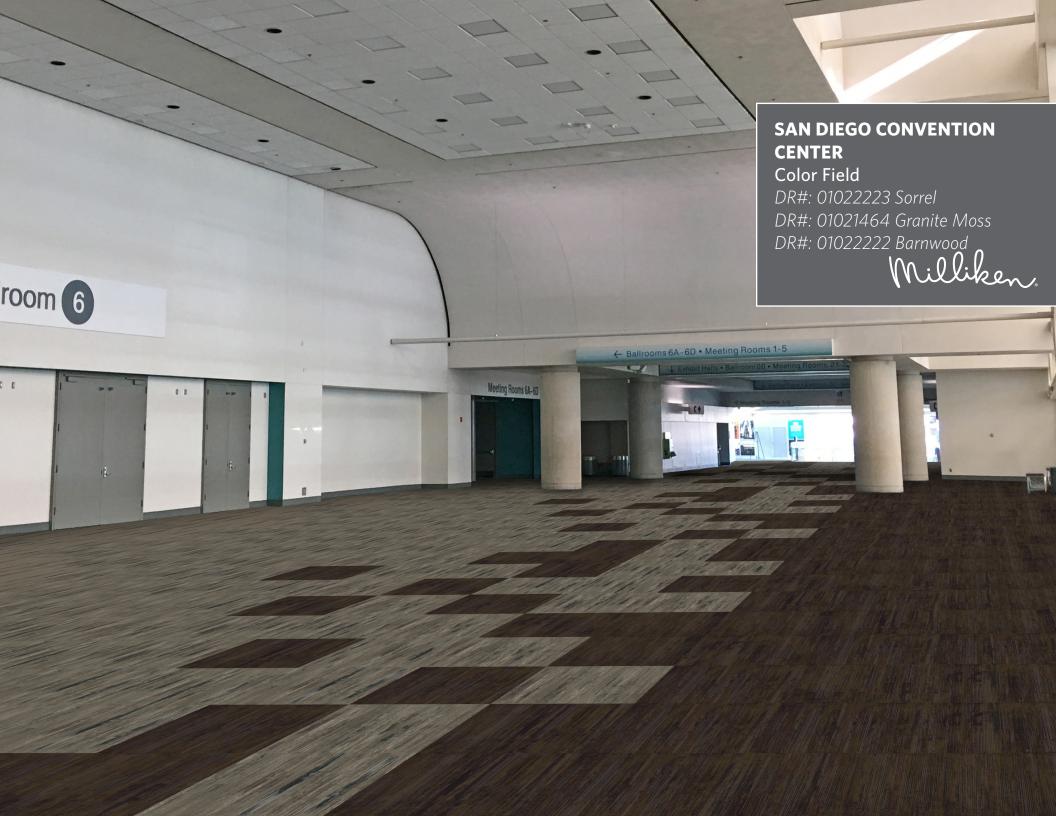
Thank you for the opportunity to participate in this evaluation process. Along with color samples and renderings, we wanted to give you a brief summary of how we might complete the aesthetic requirements for this great project.

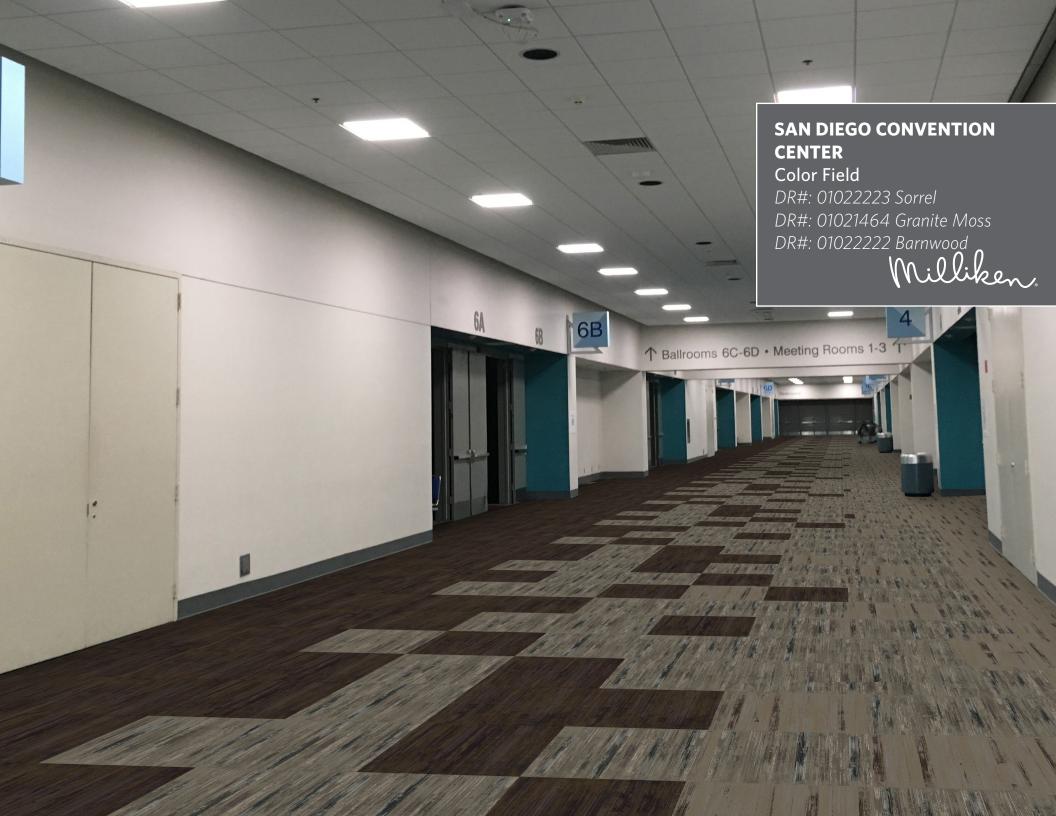
The floor planes themselves are quite long and there are also light shifts and shadows created by the natural light coming from the large glass windows as well as the existing light sources. In addition, there are some tricky transitional areas at the end of long corridors. LMN's creative concept solves these challenges by moving pattern from one value to another (or possibly shifting scale) to maintain the dynamic of the space.

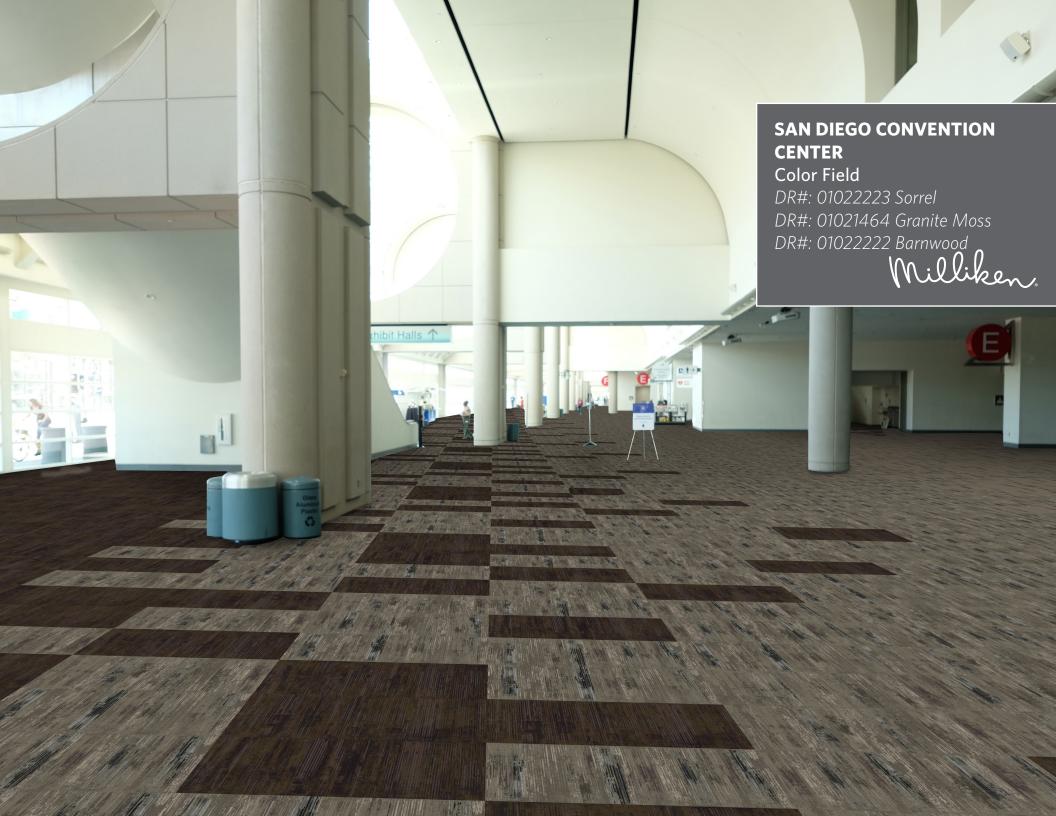
We are presenting our product Textured Sky in pattern Cloud Canopy to demonstrate the ability to move pattern from a dark value to a light one. The color Thermal gives a more dramatic shift but that can be softened. We also chose Cloud Canopy to represent a more organic, less linear pattern. The standard samples come as a skinny plank however, the larger plank would be available as that scale seems more appropriate for the space. Our renderings show the larger plank in Ashlar installations.

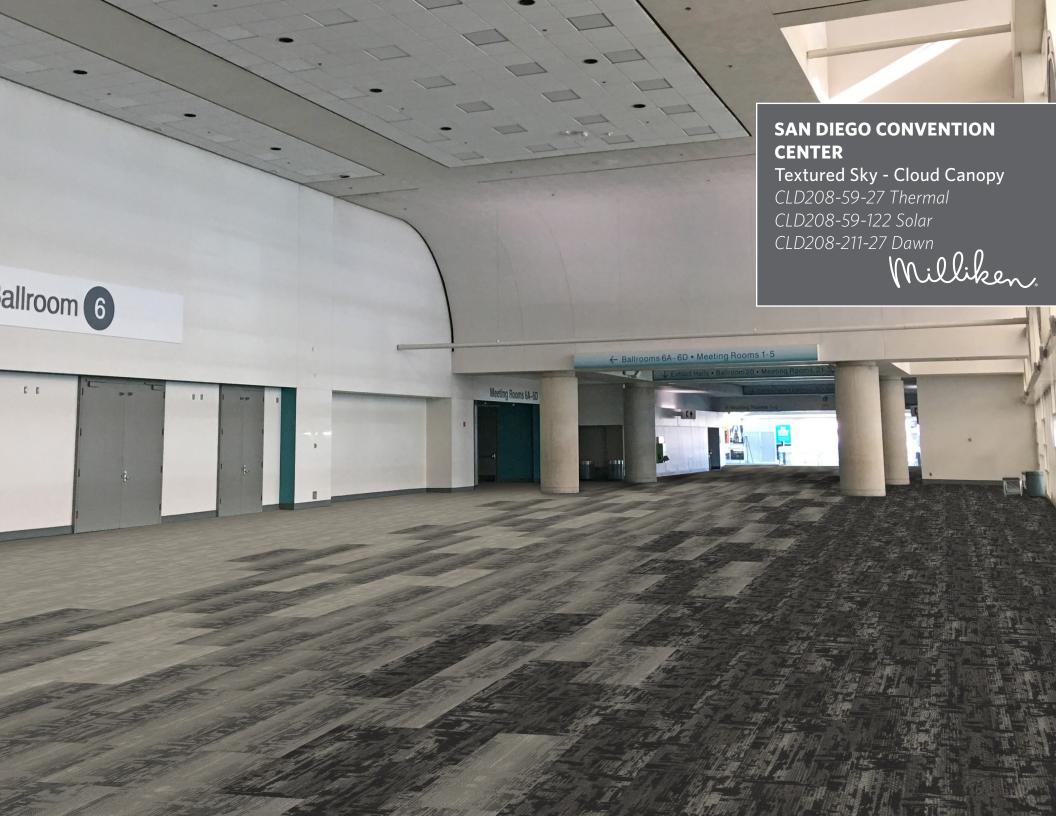
In addition, these products are available in a more economical version with minimum color shift should we need to meet a lower price point.

We look forward to the opportunity to develop a final design and color direction, which not only captures the aesthetic intent but meets all the performance requirements needed for such an important space.

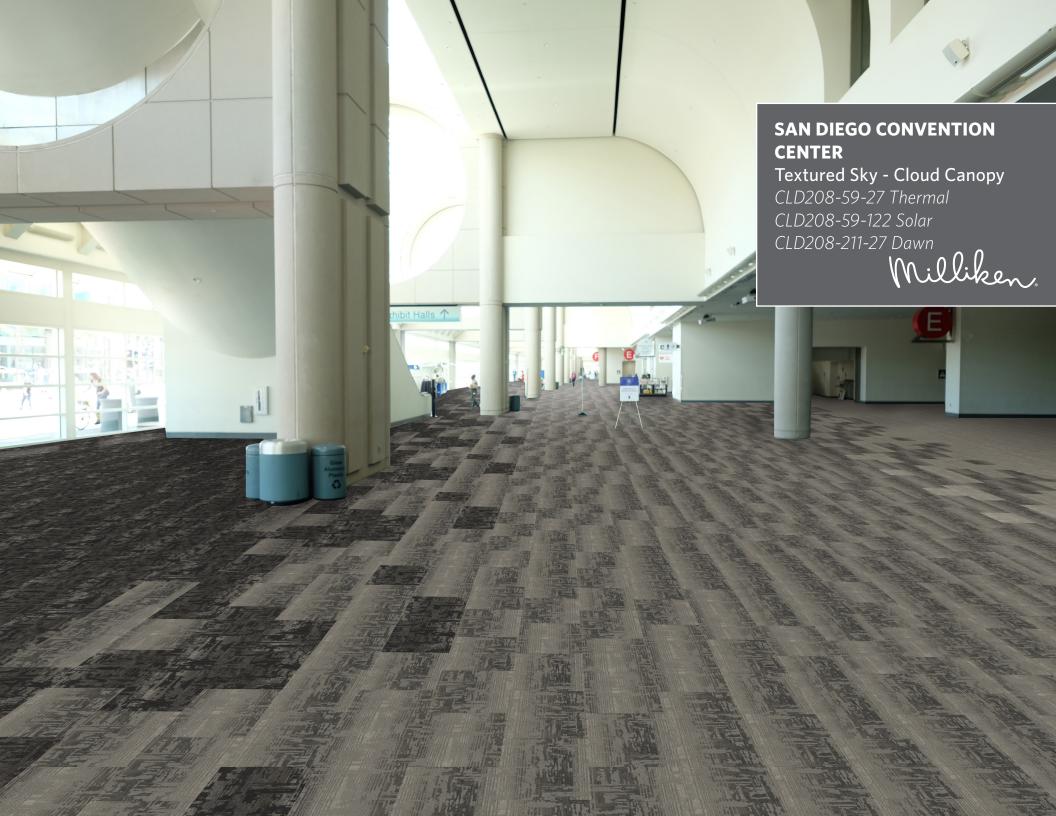












ENVIRONMENTAL POLICY

Milliken & Company is committed to operating our plants and facilities in complete compliance with all applicable environmental regulations and other requirements and to operate in a manner that protects the quality of our environment and the health and safety of our associates and the public.

We are committed to strive for a goal of zero waste generation to all media - land, air, water - to be achieved by continual improvement in all of our operations. This goal will guide the conduct of our manufacturing operations, the development of new products, and our interaction with our suppliers and customers. Recycling of materials is an integral part of this on-going effort.

We are committed to encouraging our families, our associates and our communities, through education and leadership, to conserve our natural resources and protect the environment in our daily lives.

We reaffirm our commitment to work with local, state and federal authorities to develop effective environmental solutions that meet tests of practicality and feasibility.





Special Conditions:

Milliken Services, LLC Customer Proposal OMNIA PARTNERS Contract - 2020002150

OMNIA Member #:	2244006	DIR Number:	PW-LR-1000561459
Proposal Date:	3/1/2022	MQ Number:	1021000921
Project Name:	Santa Fe Springs Police Service Ctr	Milliken Sales R	ep: Stephany Boyd
City, State, Zip:	Santa Fe Springs, CA 90670-3110	Primary Phone:	562-972-8702
Project Number:	P-0000177249	Email:	Stephany.Boyd@Milliken.com
Seller (company):	Milliken Services, LLC	Project Manager	: Megan Rader
Address:	201 W. Lukken Industrial Drive	Primary Phone:	706-880-3067
City, State, Zip:	LaGrange, GA 30240	Email:	Megan.Rader@Milliken.com
Customer (company):	Santa Fe Springs Police Service Ctr	Contact Person:	Lindsay Inman
Address:	11576 Telegraph Road	Primary Phone:	562-409-1850 x3334
City, State, Zip:	Santa Fe Springs, CA 90670-3110	Email:	lindsayinman@santafesprings.org
Bill To (company):	City of Santa Fe Springs	Contact Person:	
Address:	12636 Emmens Way	Primary Phone:	
City, State, Zip:	Santa Fe Springs, CA 90670	Email:	

		Unit of			
Item	Qty	Measure	1	Unit Price	Total
Nordic Stories - Tectonic - TTC79-133 Dark Dansk 50cm	827.632	SY	\$	28.99	\$ 23,993.05
Standard Carpet Tile Adhesive (order by pail)	6.000	4-gal. pail	\$	129.94	\$ 779.64
Labor: Remove Existing Carpet	780.000	SY	\$	3.50	\$ 2,730.00
Floor Prep	7,000.000	SF	\$	1.00	\$ 7,000.00
Labor: Move Furniture (Medium)	780.000	SY	\$	9.00	\$ 7,020.00
Labor: Install Carpet (renovation)	780.000	SY	\$	9.00	\$ 7,020.00
Cove Base: Furnish & Install 4"	1,600.000	LF	\$	2.75	\$ 4,400.00
Labor Stairs	81.000	LF	\$	3.00	\$ 243.00
Labor: Nights & Weekend Upcharge	780.000	SY	\$	5.00	\$ 3,900.00
CA Carpet Stewardship Assessment	827.632	SY	\$	0.35	\$ 289.67
Project Management Fee	1.000	Each	\$	3,968.52	\$ 3,968.52
Sales Tax	-	-			

TOTAL \$ 61,343.88

If there is a change in materials or scope of work, a new proposal must be issued by Milliken Services, LLC.

Any revisions made to this proposal will invalidate the proposal.

This proposal is valid for <u>30 days</u> from the "Proposal Date" posted at the top of this form. Prices are subject to change based on price increases or modifications if they fall during this timeframe.

Cove base is packaged by the carton with 100 LF per carton therefore must purchase full carton quantity.				

Notes:

- 1) This quotation is based on preliminary drawings. If actual yardage requirements are different, the price may change.
- 2) Pricing for installation is subject to change based upon flooring conditions and preparation requirements. Refer to Special Conditions above (if applicable) for more information.
- 3) Unless stated otherwise in proposal, the following exclusions apply: Major floor prep and leveling; Hoisting; Handling electronic equipment (including but not limited to computers, telephones, and personal belongings); Permits, Payment and performance bonds; Floor and equipment protection; Long-term storage of materials; and asbestos identification, testing, and abatement. If materials are suspected to contain asbestos during work, all work will immediately stop and it is the sole responsibility of the customer to conduct testing and abatement.
- 4) Site Conditions: Area must be enclosed, a minimum of 65 degrees, and HVAC running for 72 hours prior to install. Area must be clear of equipment and materials from other trades. Subfloor must be structurally sound and suitable for specified flooring. Scheduling delays and site unprepared may result in additional costs.
- 5) Installation schedule to be agreed upon by the customer and Milliken. Disruptions or unplanned changes in owner's schedule may result in additional costs.
- 6) Taxes will be applied unless appropriate tax exempt documentation is received by the customer prior to invoicing.
- 7) Materials are billed separate from installation, subject to POD at ship-to.
- 8) Material prices include freight. Rates do not include special freight services unless specified in quote above.

	A	•	Milliken's OM ed terms and co		· ·	

Sign and return one copy of this agreement before any work begins. Keep one copy for your records.

Seller's Representative			
Signature:	Megan Rader	Date:	3/1/2022
Printed Name:	Megan Rader	Title:	Project Manager
Customer's Representati	ve		
Ciamatuma		Date:	
Signature:			

ALL PURCHASE ORDERS MUST BE MADE OUT TO: Milliken Services, LLC

Signed proposal, a copy of your purchase order, and a tax exempt certificate should be emailed to:

Megan.Rader@Milliken.com

If mailing, please send to:

Milliken Services, LLC Megan Rader 201 Lukken Industrial Drive, West LaGrange, Georgia 30240

706-880-3067

City Council Meeting

April 5, 2022

NEW BUSINESS

Authorize the Purchase of One (1) Cut-Away Bus by Piggybacking off the California Association for Coordinated Transportation (CALACT) Morongo Basin Transit Authority (MBTA) Vehicle Purchasing Cooperative Contract No. 20-01 AZ

RECOMMENDATION

- Authorize the purchase of (1) New Ford E-450 Cut-Away Bus from A-Z Bus Sales by piggybacking off of CALACT/MBTA cooperative contract No. 20-01 AZ
- Authorize the Director of Purchasing to issue a purchase order in the amount of \$97,749.26.

BACKGROUND

CALACT <u>www.calact.org</u> is a statewide, non-profit organization that has represented the interests of small, rural, and specialized transportation service providers since 1984. Membership which Santa Fe Springs is a part of is comprised of agencies from diverse facets of transportation, including operators of small and large transportation systems. CALACT initiated the CALACT/MBTA purchasing cooperative in 2009 and provides a Federal and State of California compliant purchasing solution. Since its inception, the cooperative has procured nearly 10,000 vehicles using the aggregate purchasing power of its member agencies to reduce the cost of transit vehicles. MBTA solicited Request for Proposals under CALACT for the vehicle we propose to purchase and awarded the contract to A-Z Bus Sales, Inc.

Replacement vehicles are budgeted annually to replace those that have reached the end of their mileage and/or service-use life cycle. In the Fiscal Year 2021-22 Budget City Council approved the replacement of unit #672, a 2008 Chevrolet El Dorado 22 passenger bus with 143,257 miles.

This unit will be replaced with one (1) New Ford E-450 Glaval Type B Cut-Away Bus. The new bus will include a 12/2 seating configuration, which is twelve (12) standard seats and two (2) rear loading wheelchair tie downs. The specifications for the replacement bus include up-fit items that are purchased and installed aftermarket including exterior City graphics, tinted windows, and the installation of tablet mounts used for Driver Mate software. This vehicle is used by the Public Works Department in the Transportation Services Division.

FISCAL IMPACT

The City Council approved in the Fiscal Year 2021/22 Budget, \$120,000 for the purchase of the above vehicle. The total for this purchase is \$97,749.26. The city will realize a savings of \$22,250.74 from the budgeted amount. Moreover, this bus is fully funded by the Proposition C fund. The additional up-fit costs are covered by separate budgeted funds for this purpose. The quoted amounts include all taxes, fees, and delivery.

Report Submitted By: Paul Martinez Date of Report: March 30, 2022

Finance Department



April 5, 2022

Raymond R. Cruz City Manager

Attachment

- 1. A-Z Bus Sales/CalAct Quote
- 2. Seating Specification
- 3. MBTA Contract

Report Submitted By: Paul Martinez Finance Department

Date of Report: March 30, 2022

(A) BUICCALES	MB	TA CalACT Cooperative RFP 2	20-01	
AN EMPLOYEE CWNED COMPANY		12 Passengers Plus 2 Wheelch	airs	
Customer: City (of Santa Fe	e Springs	Quote Date	3/8/2021
Address: 11710 Telegraph Road	County:		Expires	4/28/2022
City Santa Fe Springs	Zip Code:	90670		
Contact: Edward Andrade	Office Phone:		DSI Account:	
Email Address:	Cell Phone:	562-204-7846	Fax Number	
Sales Representative Cole Crockett	Туре	B Ford E-450		
QTY Option Description			Contract Price	
GLAVAL BUS, TYPE B, FORD GASOLINE		GLAVAL UNIVERSAL		
1 Gas - Cut-Away Chassis	Glaval	Chassis, 2021, E-450, 158", 7.3L V-8		81,634.00
		Sub-Total Base Unit		
PUBLISHED OPTIONS				
1 Spare tire (loose, full size, identical to supplied tires)	Inc			
1 Locking rear door w/alarm			476.00	476.00
1 Addl Batt	2 Battery			
¹ Braun NCL 1000 (1k lbs capacity lift)			950.00	950.00
1 Liquid Springs Rear Suspension Upgrade			9,833.00	9,833.00
Back up Camera in Rear View Mirror - Now Standard			-	-
1 Ad Rails			250.00	250.00
1 Vinyl Lift Pad Cover	Inc		300.00	300.00
		Sub-Total Published Options		11,809.00
NON PUBLISHED OPTIONS			4.750.00	1.750.00
Alcoa Rims, Valves, and Balancing (May Need Lug Nuts and Company)	Center Caps TB	D)	1,750.00	1,750.00
8 Bonded Windows			285.00	2,280.00
1 PPE Wabasto Air Filtration System			1,880.50	1,880.50
PPE Top-of-the-Line Driver's Barrier			2,725.00	
¹ Decals by Design Simple Graphics Package (\$2,500 Value) Si	imple Lettering o	on Sides, Back, and Front Cap	2,500.00	2,500.00
Driver's Overhead Storage Covered in Magnetic Sheet			495.00	495.00
		Sub-Total Non-Published Options		8,905.50
SUMMARY				
SPECIFICATION SUMMARY				
Model Year 2021/2022		Ford	Wheelchair Lift Model: E	
Туре: В		E-450	Wheelchair Lift Location F	Rear
Passenger Capacity: 12+2	Wheelbase:		Number of Tie Downs: 2	
Seat Fabric: Docket 90	_	7.3L V-8 Gas		225 Amp OEM
Air Conditioning System: Trans Air GVWR: 14,500 Tie Down Type Q'Strain				
Exterior Color/Graphics: White only	Body Length:	22'	Estimated Delivery: 2	240 Days ARO

MBTA CalACT Cooperative RFP 20-01 12 Passengers Plus 2 Wheelchairs City of Santa Fe Springs Customer 3/8/2021 **Quote Date** Address: 11710 Telegraph Road Expires 4/28/2022 County: City Santa Fe Springs Zip Code: 90670 Contact: Edward Andrade Office Phone: DSI Account: Email Address: Fax Number Cell Phone: 562-204-7846 Sales Representative Cole Crockett Type B Ford E-450 QTY Option Description Contract Price SUMMARY STANDARD BID FEATURES & EQUIPMENT Aluminized Steel Cage Costruction Fully Insulated Body Assembly Process Aluminized Exterior Skins - Pressure Laminated Body Construction ALL LED Exterior Lighting One Piece FRP Roof Assembly Vinyl Clad Interior 36" Electric Entry Door Number, function, and color coded wiring Ergonomic Driver Control Panel with Quick Disconnect Braun Century W/C Lift located in the rear Side Mounted Battery on Slide Out Tray w/High Amp Circuit Breakers Driver Side Running Board Remote control & heated Exterior Mirrors Standard 2-Step Entry with 12" First Step Height Seating: Doc 90 upholstery, Grab Handles, USR's, aisle arm rests ISO 9001:2008 Quality Manufacturing Process Dual Entry Grab Rails 5/8" Marine Plywood Subfloor, with Galvanized Steel Sub-structure Ford QVM Certified Manufacturer Integrated Track Seating System Back Up Alarm, Anti-ride Rear Bumper Daytime Running Lights Front Mud Flaps 5 YEAR / 100,000 Mile Limited Body Warranty Altoona 7 Year/200,000 Mile Tested Stanchion and Modesty Panel Behind Driver, with Plexiglass Meets All Applicable FMVSS Requirements in Effect at time of Manufacture Note: Optional Equipment below may supercede or replace standard equipment. CONTRACT PRICING SUMMARY Base Unit as Specified 70,199.00 **Published Options** 11.809.00 Non-Published Options 8.905.50 Sub-total per Unit 90,913.50 ADA Portion that is non taxable 39,513.00 51,400.50 Taxable 10.50% Santa Fe Springs Sales Tax 5,397.05 Tire Recycle Fee (12.5 per tire) 75.00 CalACT MBTA fee of 1.5% of subtotal 1,363.70

Delivery (first 100 miles free) Grand Total, Each

Signature

Print Name

Qty

Signature

Print Name

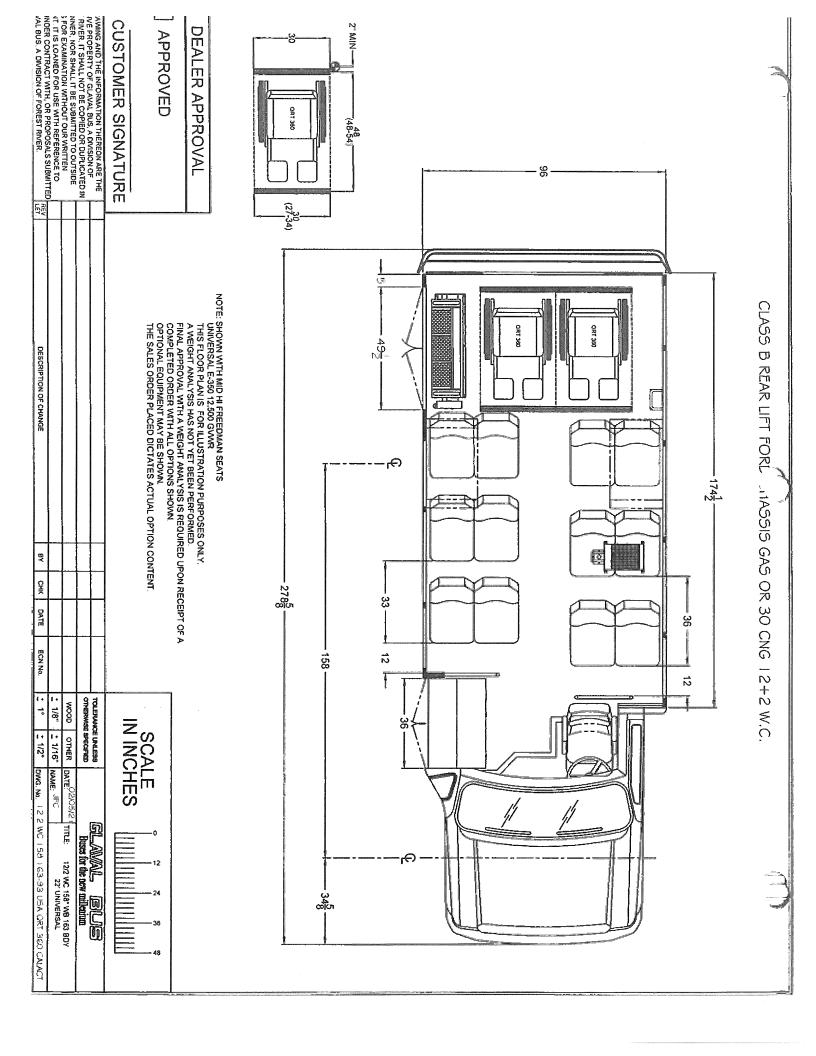
COMPANY/AGENCY

Grand Total

97,749.26

97,749.26

Date



MBTA CONTRACT # 20-01 AZ (ICE-1)

AGREEMENT REGARDING PURCHASE OF PARATRANSIT VEHICLES. For Glaval and NorCal Vans

THIS AGREEMENT is made and entered into on <u>September 9, 2021</u> between and among A-Z BUS SALES, INC., a California corporation, with its principal place of business located at 1900 South Riverside Avenue, Colton, California ("SELLER"), and **MORONGO BASIN TRANSIT AUTHORITY** ("MBTA"). SELLER and MBTA may be referred to herein individually as "Party" or collectively as "Parties."

RECITALS

WHEREAS, MBTA, by its Request for Proposals (RFP) #20-01, duly advertised for written proposals to be submitted for the purchase of Paratransit and Transit Vehicles ("BUSES") on behalf itself and Consortium members ("Consortium") identified in the Participating Agencies List in the RFP collected by the California Association of Coordinated Transportation ("CalACT") for the MBTA; and

WHEREAS, the MBTA's RFP is attached hereto as Exhibit "A", and is incorporated herein by reference as if set forth in full; and

WHEREAS, SELLER submitted a sealed proposal in response to MBTA's Notice Inviting Proposals; and

WHEREAS, after it was determined that SELLER was a successful responsive and responsible proposer; and

WHEREAS, SELLER's proposal in response to MBTA's Notice Inviting Proposals is attached hereto as Exhibit "B", and is incorporated herein by reference as if set forth in full; and

WHEREAS, the MBTA Board of Directors has authorized staff via Resolution and board action to award contracts and accept SELLER'S proposal through agreement by and between SELLER and MBTA upon the terms and conditions set forth herein; and

WHEREAS, MBTA has fully complied with all federal, state, and local laws governing the public solicitation process for the purchase of the BUSES;

NOW, THEREFORE, incorporating the foregoing recitals herein, for and in consideration of the promises and of the mutual covenants and agreements herein contained, SELLER and MBTA hereby agree as follows:

1. CONTRACT DOCUMENTS. This Agreement, along with all Exhibits

referenced herein, and including without limitation, all documents referenced in said Exhibits shall hereinafter be referred to as the "Contract Documents." In the event of any conflict, the Contract Documents, including specifically RFP #20-01 and any addendums thereto, shall take priority in interpreting the respective rights and obligations of the Parties created by this Agreement. Any contract, agreement, or other document subsequently created by any Party in connection with a purchase order issued pursuant to this Agreement and which changes or otherwise modifies the terms and conditions set forth in the Contract Documents shall not be valid without the prior written approval of both of the Parties to this Agreement.

- 2. <u>DESCRIPTION OF BUSES PURCHASED</u>. SELLER hereby agrees that it shall sell the BUSES manufactured by Glaval and NorCal Vans as more particularly described in RFP #20-01 (attached hereto as Exhibit "B") to any and all Consortium participants who desire to purchase such BUSES from SELLER. BUSES are to be vehicles with less than 4000 miles and that have never been previously registered.
- 3. <u>CONTRACT PRICING</u>. SELLER hereby agrees to sell such BUSES as more particularly described in RFP #20-01 (attached hereto as Exhibit "B") under the terms and conditions set forth in RFP #20-01.
- 4. <u>DELIVERY</u>. SELLER shall deliver F.O.B. per terms and conditions of MBTA RFP #20-01 Section SP 7.4, 11 and 12 and as proposed.
- 5. <u>PAYMENT BY CONSORTIUM PARTICIPANTS</u>. SELLER shall collect payment from Consortium participants within thirty (30) days after the delivery and acceptance of the BUSES by the participant, and a receipt of an invoice thereof, per RFP #20-01, Section SP 10.
- 6. <u>NO ASSIGNMENT</u>. Neither this Agreement, nor any interest in it, may be assigned or transferred by any Party without the prior written consent of all of the Parties to this Agreement.
- 7. <u>NO ATTORNEYS' FEES</u>. If litigation is required to enforce or interpret the provisions of this Agreement, neither SELLER nor the Purchasing Agencies shall be entitled to an award of attorneys' fees or costs, but shall be entitled to any other relief to which it may be entitled by law.
- 8. <u>MODIFICATION</u>. This Agreement may be modified only in writing approved by the MBTA and signed by all Parties.
- 9. GOVERNING LAW. The laws of the State of California will govern the validity of this Agreement, its interpretation and performance. Any litigation arising in any way from this Agreement shall be brought in San Bernardino County, California.

- **10. NO WAIVER OF DEFAULT**. The failure of any Party to enforce against another party any provision of this Agreement shall not constitute a waiver of that party's right to enforce such a provision at a later time, and shall not serve to vary the terms of this Agreement.
- 11. <u>FURTHER ASSURANCES</u>. Each Party shall execute and deliver such papers, documents, and instruments, and perform such acts as are necessary or appropriate, to implement the terms of this Agreement and the intent of the parties to this Agreement.
- Paragraph 6, the rights and obligations of this Agreement shall inure to the benefit of, and be binding upon, the parties to the contract and their heirs, administrators, executors, personal representatives, successors and assigns. Whenever the context so requires, the masculine gender and includes the feminine and neuter, and the singular number includes the plural. This Agreement may be executed in any number of counterparts, each of which shall be considered as an original and be effective as such.
- **13. NON-INTEREST.** No officer or employee of the MBTA shall hold any interest in this Agreement (California Government Code section 1090).
- 14. <u>CORPORATE AUTHORITY</u>. Each individual signing this Agreement on behalf of an entity represents and warrants that he or she is respectively, duly authorized to sign on behalf of the entity and to bind the entity fully to each and all of the obligations set forth in this Agreement.
- 15. <u>INDEMNIFICATION</u>. SELLER shall indemnify, defend, and hold harmless MBTA, its officers, agents and employees against any and all liability, claims, actions, causes of action or demands whatsoever against them, or any of them, before administrative or judicial tribunals of an kind whatsoever, arising out of, connected with, or caused by SELLER'S employees, agents, independent contractors, companies, or subcontractors in the performance of, or in any way arising from, the terms and provisions of this Agreement whether or not caused in part by a party indemnified hereunder, except for MBTA's sole active negligence or willful misconduct.
- 16. <u>WARRANTY</u>. The BUSES are warranted by SELLER to be new and to be free from defects in material and workmanship pursuant to and in accordance with those certain manufacturer's warranties collectively attached hereto as Exhibit "B", and as submitted in response to RFP 20-01 by SELLER and incorporated herein by reference as if set forth in full. During said warranty periods, the BUSES shall maintain structural and functional integrity. The warranty is based on regular operation under operating conditions prevailing in the purchaser's operating area.

- 17. WARRANTY OF FITNESS. SELLER hereby warrants that the BUSES and all materials furnished shall meet the requirements and conditions of the Contract Documents and shall be fit for the purposes intended. Acceptance of this warranty and acceptance the BUSES and materials to be manufactured or assembled pursuant to the specifications in these Contract Documents shall not waive any warranty, either express or implied.
- 18. <u>NOTICE</u>. All notices relative to this Agreement shall be given in writing and shall be personally served or sent by certified or registered mail and be effective upon depositing in the United States mail. The Parties shall be addressed as follows, or at any other address designated by proper notice:

MBTA: Joe Meer

Director of Purchasing

Morongo Basin Transit Authority

62405 Verbena Road Joshua Tree, CA 92252

SELLER: John Landherr

President

A-Z BUS SALES, INC.

1900 South Riverside Avenue

Colton, CA 92324

19. <u>EXECUTION</u>. This Agreement is effective upon execution by both Parties. It is the product of negotiation and all parties are equally responsible for authorship of this Agreement. Section 1654 of the California Civil Code shall not apply to the interpretation of this Agreement.

IN WITNESS WHEREOF, the Parties have executed this Agreement as of the date first above written.

A-Z BUS SALES, INC., a corporation	Morongo Basin Transit Authority
By John Vandherr, President	By

City Council Meeting

April 5, 2022

NEW BUSINESS

Adoption of Resolution No. 9773 Dissolving the Sister City Advisory Committee

RECOMMENDATION

• Adopt Resolution No. 9773 dissolving the Sister City Advisory Committee.

BACKGROUND

At its February 13, 2020 regular meeting, the City Council adopted Resolution No. 9661, affirming certain existing advisory committees, including the Sister City Advisory Committee, establishing a new beautification and historical advisory committee (now called the Historical & Community Preservation Committee), and setting rules for advisory committees. The Sister City Advisory Committee also exists as a separate Sister City non-profit organization, recognized by the IRS (EIN # 91-2053356). The organization has its own articles of incorporation and bylaws. The purpose of the Sister City Advisory Committee, as set forth in Resolution No. 9661, is to plan and conduct projects which will foster mutual understanding and goodwill between the citizenry of the City and the citizenry of any foreign city duly designated by the City Council as a "Sister City" of the City. This advisory body meets monthly, except in December, on the first Monday of the month. The current Sister cities recognized are Navojoa, Sonora, Mexico, and Tirschenreuth, Bavaria, Germany.

Staff regularly evaluates programs, services and operations to maximize effectiveness and efficiency. In staff's evaluation of the Sister City Advisory Committee, staff is recommending to provide the Sister City organization complete autonomy by dissolving the advisory committee designation and allowing the organization to operate exclusively as a 501(c)(3) non-profit organization. As such, the Sister City organization will be its own entity, and free to establish its own meeting dates, times, events, agendas, and organizational priorities. By operating exclusively as a 501(c)(3), the Sister City organization will be aligned similar to other non-profit organizations in Santa Fe Springs that the City supports. Such organizations include, but are not limited to, Metropolitan Little League, Santa Fe Springs Women's Club, Norwalk/Santa Fe Springs Saints, Boy Scouts and Girl Scouts.

If the resolution is approved, staff will continue to support the Sister City organization by continuing to partner with the organization for events, such as Fiestas Patrias and the Easter Egg-stravaganza (pancake breakfast), if desired by the City Council and the Sister City organization. Staff is recommending to continue to allow the organization to use City facilities to conduct its board meetings, at no cost, provided that all City Facility Fee Waiver policies are followed. Additionally, staff is

Report Submitted By: Maricela Balderas/Gus Hernandez
Community Services Department

Date of Report: March 30, 2022

City of Santa Fe Springs

City Council Meeting April 5, 2022

recommending that the City continue its relationship with Sister Cities International, and pay the associated membership dues.

Staff conducted an informal survey of surrounding cities, and their relationship with their Sister City organization. The results of that survey are as follows:

City	Relationship
City of Cerritos	No formal organization
City of Downey	Non-profit organization; operate independently from City
City of Garden Grove	Non-profit organization; operate independently from City
City of La Habra	No longer active; committee disbanded 10+ years ago
City of La Mirada	Independent organization; operate independently from City
City of Lakewood	No formal organization; all Sister City operations are handled out of the City Manager's Office
City of Montebello	Non-profit organization; operate independently from City
City of Pico Rivera	Non-profit organization; operate independently from City
City of South Gate	Independent organization; inactive for many years
City of West Covina	Independent organization; operate independently from City
City of Whittier	Advisory Committee; meets two times per year; currently undergoing restructuring and will be combined with another advisory committee

Allowing the Sister City organization to operate exclusively as an independent and autonomous non-profit organization aligns with the best practices of surrounding cities.

Fiscal Impact

There is no fiscal impact associated with this resolution. The City will continue to cover the cost of membership for Sister Cities International at a rate determined by Sister Cities International. In fiscal year 2020-21, the fee was \$450.

Raymond R. Cruz City Manager

Date of Report: March 30, 2022

Attachment:

1. Resolution No. 9773

Report Submitted By: Maricela Balderas/Gus Hernandez

Community Services Department

RESOLUTION NO. 9773

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DISSOLVING THE SISTER CITIES ADVISORY COMMITTEE AND EXPRESSING APPRECIATION TO ITS MEMBERS

WHEREAS, on February 13, 2020 regular meeting, the City Council adopted Resolution No. 9661, affirming certain existing advisory committees, including the Sister City Advisory Committee; and

WHEREAS, the Sister City Advisory Committee also exists as a separate legal entity, and the City desires to dissolve the Sister City Advisory Committee and allow the organization to operate exclusively as a 501(c)(3) non-profit organization; and

WHEREAS, the City shall continue its membership with Sister Cities International and shall pay associated membership dues; and

WHEREAS, the City will continue to support and partner with the Sister City non-profit organization, including allowing the organization to use City facilities to hold its board meetings provided that all City Facility Fee Waiver and Facility policies are followed; and

WHEREAS, the City Council desires to express its appreciation for the service of the members of the Sister City Advisory Committee.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF SANTA FE SPRINGS DOES HEREBY RESOLVE AS FOLLOWS:

- 1. The Sister City Advisory Committee is hereby dissolved.
- 2. The City shall continue its membership with Sister Cities International and shall pay associated membership dues.
- 3. The Sister City non-profit organization may continue to use City facilities to hold its board meetings provided that all City Facility Fee Waiver and Facility policies are followed
- 4. The City Council hereby expresses its appreciation to the members of the Sister City Advisory Committee for their generous donation of time and their service to the City.

APPROVED and ADOPTED this 5th day of April, 2022 by the following roll call vote:

AYES:	
NOES:	
ABSENT:	
ABSTAIN:	
ATTEST:	Annette Rodriguez, Mayor
lanet Martinez, CMC, City Clerk	



City Council Meeting

PRESENTATION

Proclaiming the Month of April 2022, as DMV/Donate Life Month in Santa Fe Springs

RECOMMENDATION

 Call upon the City Clerk to read the proclamation. The Mayor will present the proclamation to Ruth Covington, OneLegacy Ambassador.

BACKGROUND

In recognition of National Donate Life Month, the California Organ and Tissue Donor Registry encourages others to become organ and tissue donors, by registering online, or when they apply for, or renew, their driver's license or I.D. card. More than 106,000 individuals nationwide and more than 20,000 Californians are currently on the national organ transplant waiting list. In addition to there being a need for organs and tissue donors, the nation is also in urgent need of blood and marrow donors.

The Mayor may call on the City Clerk to read the proclamation declaring April 2022 as "DMV/Donate Life Month" in Santa Fe Springs.

Raymond R. Cruz City Manager

Attachment:

1. Letter & Proclamation – DMV/Donate Life California Month



saving lives through organ, eye & tissue donation

DMV/Donate Life Month Proclamation

City of Santa Fe Springs

April 2022



WHEREAS, organ, eye, tissue, marrow and blood donation are life-giving acts recognized worldwide as expressions of compassion to those in need;

WHEREAS, more than 106,000 individuals nationwide and more than 20,000 in California are currently on the national organ transplant waiting list, and on average, 17 people die each day while waiting;

WHEREAS, the need for donated organs is especially urgent in Hispanic, Latino, and African American communities;

WHEREAS, a single individual's donation of the heart, lungs, liver, kidneys, pancreas and small intestine can save up to eight lives;

WHEREAS, donation of tissue can save and heal the lives of more than 75 others;

WHEREAS, organ donors saved more than 40,000 lives last year, the most ever;

WHEREAS, <u>any</u> person can register to be an organ, eye and tissue donor regardless of age or medical conditions;

WHEREAS, being a registered donor does <u>not</u> impact the quality of life-saving medical care a person receives in an emergency;

WHEREAS, California residents can sign up with the Donate Life California Donor Registry online at any time by visiting www.donateLifecalifornia.org or, for Spanish-speakers, www.donateLifecalifornia.org or www

WHEREAS, California residents can sign up to be an organ, eye and tissue donor when applying for or renewing their driver's licenses or ID cards at the California Department of Motor Vehicles;

WHEREAS, California residents interested in saving a life through living kidney donation may visit www.LivingDonationCalifornia.org;

NOW, THEREFORE, BE IT RESOLVED that in recognition of National Donate Life Month, the month of April 2022 is hereby proclaimed "DMV/Donate Life Month" in the City of <u>Santa Fe Springs</u>, and in doing so we encourage all Californians to check "YES!" online, or when applying for or renewing their driver's license or I.D. card at the DMV.

City Council Meeting

PRESENTATION

Recognition of the 2022 Santa Fe Springs Shamrock Fun Run/Walk Event Sponsors

RECOMMENDATION

City Council to recognize the 2022 Santa Fe Springs Shamrock Fun Run/Walk event sponsors.

BACKGROUND

The City of Santa Fe Springs takes a proactive approach to creating health and wellness programs within the City. Through our Health & Wellness initiative, we continuously strive to educate and empower the community to improve and maintain overall health and well-being and to advocate for a healthy community culture.

The objective of the 5K Fun Run/Walk is to address the goals of the initiative, which includes focusing on addressing the high obesity and chronic disease rates in our community. The Fun Run/Walk has become one of our more popular health & wellness-related events and encourages the community to kick off their weekend with a fitness activity. Our low fees allow families to participate and engage in an event that fosters an active lifestyle.

The event took place on Saturday, March 12, 2022 from 7 a.m. – 9 a.m. at Town Center Plaza. A total of 515 people registered for the event and 461 participants ran or walked a 3.1 mile route that took them along various City streets. Upon completion of the run/walk, all participants received a finisher's medal and top three winners in age categories received winner's medals.

Once the run/walk was complete, participants and their families were able to take advantage of the resources and information provided by PIH Health and the City's trash haulers, as well as enjoy a cup of coffee provided by Starbucks. We were also able to provide water & fruit, thanks to generous contributions received from local businesses and organizations.

This event was made possible thanks to the generosity of local businesses and organizations, and community participation. Our sponsors' monetary and in-kind donations made the 2022 SFS Fun Run/Walk a huge success.

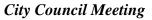
The Mayor may wish to call on Ruby Picon, Management Analyst II, to assist with the presentation.

FISCAL IMPACT

The monetary event sponsorships totaling \$3,750 was budgeted in the Health & Wellness budget activity.

Report Submitted By: Ruby Picon/Maricela Balderas Date of Report: March 30, 2022

Department of Community Services



April 5, 2022

Monetary Sponsors

PIH Health	\$1,000.00
Republic Services	\$1,000.00
Serv-Wel Disposal	\$1,000.00
CR&R Environmental Services	\$500.00
Gabriel Container	\$250.00

TOTAL MONETARY DONATIONS: \$ 3,750.00

In-kind Donations

Starbucks Coffee Company

Norwalk/La Mirada Plumbing

Santa Fe Springs Firefighters Association

Santa Fe Springs Calvary Chapel

Raymond R. Cruz City Manager

Parl K. Co

City of Santa Fe Springs

City Council Meeting

April 5, 2022

APPOINTMENTS TO COMMITTEES AND COMMISSIONS Committee Vacancies Councilmember		
Historical & Preservation	1	Mora
Historical & Preservation	1	Rodriguez
Historical & Preservation	1	Trujillo
riistoricai & rifeservation	·	Trajillo
Family & Human Svcs	1	Mora
Parks & Recreation	3	Zamora
Parks & Recreation	2	Sarno
Parks & Recreation	2	Samo
Senior	3	Mora
Senior	3	Zamora
Senior	1	Rodriguez
Senior	4	Trujillo
		,
Sister City	5	Zamora
Sister City	5	Sarno
Sister City	1	Rodriguez
Sister City	2	Trujillo
•		•
Youth Leadership Committee	2	Mora
Youth Leadership Committee	3	Zamora
Youth Leadership Committee	1	Rodriguez
Youth Leadership Committee	1	Trujillo
Traffic Commission	1	Mora
Planning Commission	1	Mora

Applications Received: Dani Cook for Parks and Recreation **Recent Actions:** Jacqueline Martinez was removed from the Sister City Committee. Bryan Collins was removed from the Traffic Commission. Kenneth Arnold was removed from the Parks and Recreation Committee and Planning Commission.

Raymond R. Cruz City Manager

Attachment(s):

- 1. Prospective Members
- 2. Committee Lists

Prospective Members for Various Committees/Commissions

Historical & Community Preservation
Family & Human Services
-
Haritana Anta
Heritage Arts
Personnel Advisory Board
Parks & Recreation
Dani Cook
Planning Commission
Senior Advisory
Sister City
Traffic Commission
Youth Leadership

HISTORICAL & COMMUNITY PRESERVATION COMMITTEE

Meets the fourth Wednesday of each month

9:30 a.m., Library Community Room

Qualifications: 18 Years of age, reside or active in the City Membership: 20 Residents appointed by City Council

Council Liaison: Vacant

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Doris Yarwood Guadalupe Placensia Irma Huitron Vacant	
Zamora	Annette Ramirez AJ Hayes Hilda Zamora* Stella Valenzuela	
Sarno	Jeannette Lizarraga Mary Arias Linda Vallejo Sally Gaitan	
Rodriguez	Elena Lopez (Boca)* Vacant Mark Scoggins Gloria Maghame	
Trujillo	Jacqueline Martinez Kay Gomez Vacant Merrie Hathaway	

FAMILY & HUMAN SERVICES ADVISORY COMMITTEE

Meets the third Wednesday of the month, except Jun., Sept., and Dec., at 5:45 p.m., Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City Membership: 15 Residents Appointed by City Council

5 Social Service Agency Representatives Appointed by the

Committee

Council Liaison: Rodriguez

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Martha Villanueva*	
	Vacant	
	Miriam Herrera	
Zamora	Gaby Garcia	
	Christina J. Colon	
	Gilbert Aguirre	
Sarno	Dolores Duran	
	Janie Aguirre	
	Peggy Radoumis	
Rodriguez	Shamsher Bhandari	
	Elena Lopez (Boca)*	
	Hilda Zamora*	
Trujillo	Dolores Romero	
	Laurie Rios*	
	Bonnie Fox	

^{*}Indicates person currently serves on three committees

HERITAGE ARTS ADVISORY COMMITTEE

Meets the Last Tuesday of the month, except Dec., at 9:00 a.m., at the Gus Velasco Neighborhood Center Room 1

Qualifications: 18 Years of age, reside or active in the City

Membership: 9 Voting Members

6 Non-Voting Members

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Maria Salazar-Jaramillo	
Zamora	AJ Hayes	
Sarno	William K. Rounds*	
Rodriguez	Francis Carbajal*	
Trujillo	Laurie Rios*	

Committee Representatives

Family and Human Services Committee Miriam Herrera
Beautification and Historical Committee Sally Gaitan
Planning Commission Gabriel Jimenez
Chamber of Commerce Debbie Baker

Council/Staff Representatives

Council Liaison Annette Rodriguez

Council Alternate Vacant
City Manager Ray Cruz

Director of Community Services Maricela Balderas
Director of Planning Wayne Morrell

^{*}Indicates person currently serves on three committees

PARKS & RECREATION ADVISORY COMMITTEE

Meets the First Wednesday of the month, except Jul., Aug., and Dec., 7:00 p.m.,

Town Center Hall, Meeting Room #1

Subcommittee Meets at 6:00 p.m.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25 Council Liaison: Mora

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Joe Avila Eddie Barrios William Logan Ralph Aranda Kurt Hamra	
Zamora	Gina Hernandez Blake Carter Vacant Vacant Vacant	
Sarno	Vacant Mary Anderson Jeannette Lizarraga Vacant Mark Scoggins	
Rodriguez	Kayla Perez Priscilla Rodriguez Lisa Garcia Sylvia Perez David Diaz-Infante	
Trujillo	Dolores Romero Andrea Lopez Elizabeth Ford Nancy Krueger William K. Rounds*	

^{*}Indicates person currently serves on three committees

PERSONNEL ADVISORY BOARD

Meets Quarterly on an As-Needed Basis

Membership: 5 (2 Appointed by City Council, 1 by Personnel

Board, 1 by Firemen's Association, 1 by

Employees' Association)

Terms: Four Years

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Council	Angel Munoz Ron Biggs	
Personnel Advisory Board	Neal Welland	
Firemen's Association	Jim De Silva	
Employees' Association	Johnny Hernandez	

PLANNING COMMISSION

Meets the second Monday of every Month at 4:30 p.m., Council Chambers

Qualifications: 18 Years of age, reside or active in the City

Membership: 5

APPOINTED BY	NAME
Mora	Vacant
Sarno	Johnny Hernandez
Rodriguez	Francis Carbajal*
Trujillo	William K. Rounds*
Zamora	Gabriel Jimenez

SENIOR ADVISORY COMMITTEE

Meets the Second Tuesday of the month, except Jun., Sep., and Dec., at 9:30 a.m., Gus Velasco Neighborhood Center

Qualifications: 18 Years of age, reside or active in the City

Membership: 25 Council Liaison: Vacant

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Paul Nakamura Astrid Shesterkin Vacant Vacant Vacant	
Zamora	Vacant Elena Lopez (Boca)* Josefina Lara Vacant Vacant	
Sarno	Sally Gaitan Bonnie Fox Gilbert Aguirre Lorena Huitron Janie Aguirre	
Rodriguez	Yoko Nakamura Linda Vallejo Hilda Zamora* Martha Villanueva* Nancy Krueger	
Trujillo	Dolores Duran Vacant Vacant Vacant Vacant Vacant	

^{*}Indicates person currently serves on three committees

SISTER CITY COMMITTEE

Meets the First Monday of every month, except Dec., at 6:45 p.m., Town Center Hall, Mtg. Room #1. If the regular meeting date falls on a holiday, the meeting is held on the second Monday of the month.

Qualifications: 18 Years of age, reside or active in the City

Membership: 25 Council Liaison: Trujillo

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Martha Villanueva* Doris Yarwood Laurie Rios* Peggy Radoumis Francis Carbajal*	
Zamora	Vacant Vacant Vacant Vacant Vacant Vacant	
Sarno	Vacant Vacant Vacant Vacant Vacant Vacant	
Rodriguez	Jeannette Wolfe Shamsher Bhandari Jimmy Mendoza Frank Martinez Vacant	
Trujillo	Charlotte Zevallos Andrea Lopez Vacant Marcella Obregon Vacant	

^{*}Indicates person currently serves on three committees

TRAFFIC COMMISSION

Meets the Third Thursday of every month, at 6:00 p.m., Council Chambers

Membership: 5

Zamora

Qualifications: 18 Years of age, reside or active in the City

APPOINTED BY	NAME
Mora	Vacant
Sarno	Johana Coca
Rodriguez	Felix Miranda
Trujillo	Linda Vallejo
Trajino	Linda vallejo

Christina J. Colon

YOUTH LEADERSHIP COMMITTEE

Meets the First Monday of every month, at 6:30 p.m., Gus Velasco Neighborhood Center

Qualifications: Ages 13-18, reside in Santa Fe Springs

Membership: 20

Council Liaison: Zamora

APPOINTED BY	NAME	TERM EXPIRES DEC 31, 2022
Mora	Kharisma Ruiz Jilliana Casillas Vacant Vacant	
Zamora	Joseph Casillas Vacant Vacant Vacant	
Sarno	Abraham Walters Aaron D. Doss Valerie Bojorquez Maya Mercado-Garcia	
Rodriguez	Jasmine Rodriguez Angelique Duque Felix Miranda Jr. Vacant	
Trujillo	Vacant Isaac Aguilar Andrew Bojorquez Alan Avalos	