CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

> Tuesday, July 28, 2020 7:00 PM



CALL TO ORDER AT \_\_\_\_\_ P.M.

A. ROLL CALL: Kurt Heise\_\_\_\_, Mark Clinton\_\_\_\_, Chuck Curmi\_\_\_\_, Bob Doroshewitz\_\_\_\_, Jerry Vorva\_\_\_\_, Jack Dempsey\_\_\_\_, Gary Heitman\_\_\_\_

# **B. PLEDGE OF ALLEGIANCE**

# C. APPROVAL OF AGENDA

Tuesday, July 28, 2020

# D. APPROVAL OF CONSENT AGENDA

D.1	Approval of Minutes:
	Regular Meeting - Tuesday, July 14, 2020

# D.2 Acceptance of Communications, Resolutions, Reports

Building Department Monthly Report - June 2020 Fire Department Monthly Report - June 2020 Police Department Monthly Report - June 2020 Planning Department Monthly Report - June 2020 FOIA Monthly Report - Clerk's Office - June 2020 FOIA Monthly Report - Police Department - June 2020

FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	483,056.84	102,547.44	585,604.28
Solid Waste Fund	226	4,137.94	113,938.12	118,076.06
Improvement Revolving				
(Capital)	246	.00	.00	.00

# D.3 Approval of Township Bills:

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, July 28, 2020 7:00 PM



Drug Forfeiture Fund	265	.00	.00	.00
Drug Forfeiture State	266	.00	.00	.00
Drug Forfeiture IRS	267	.00	.00	.00
Golf Course Fund	510	.00	.00	.00
Senior Transportation	588	4411.99	267.35	4679.34
Water/Sewer Fund	592	274,978.96	32,810.38	307,789.34
Trust and Agency	701	.00	.00	.00
Police Bond Fund	702	.00	.00	.00
Tax Pool	703	.00	.00	.00
Special Assessment Capital	805	.00	469,590.55	469,590.55
TOTALS:		766,585.73	719,153.84	1,485,739.57

# E. PUBLIC COMMENT (Limited to 3 Minutes)

### F. NEW BUSINESS

- 1. Western Townships Utilities Authority (WTUA) Annual Budget Approval, **Resolution #2020-07-28-71**, *Aaron Sprague, WTUA*
- Great Lakes Water Authority/Western Townships Utilities Authority (GLWA/WTUA) Industrial Pretreatment Program Resolution, **Resolution** #2020-07-28-72, Patrick Fellrath, Director, Public Services, and Aaron Sprague, WTUA

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, July 28, 2020 7:00 PM



- 3. DPW Land Purchase Agreement Extension, **Resolution #2020-07-28-73**, Supervisor Kurt Heise
- 4. Approval to Advertise for Lease of Excess Office Space at the DPW Building, Supervisor Kurt Heise
- 5. Reinstatement pf COVID-Related Budget Cuts to Police Department, **Resolution** #202-07-14-74, Supervisor Kurt Heise
- G. PUBLIC COMMENT (Limited to 3 Minutes)

# H. BOARD COMMENTS

# I. ADJOURNMENT

<u>PLEASE TAKE NOTE</u>: The Charter Township of Plymouth will provide necessary reasonable auxiliary aids and services, such as signers for the hearing Impaired and audio tapes of printed materials being considered at all Township Meetings, to individuals with disabilities at the Meetings/Hearings upon two weeks' notice to the Charter Township of Plymouth by writing or calling the following: Human Resource Office, 9955 N Haggerty Road, Plymouth, MI 48170. Phone number (734) 354-3202 TDD units: 1-800649-3777 (Michigan Relay Services)

### The public is invited and encouraged to attend all meetings of the Board of Trustees of the Charter Township of Plymouth

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

> Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



Supervisor Heise called the meeting to order at 7:00 p.m.

Kurt Heise, Supervisor
Mark Clinton, Treasurer
Jerry Vorva, Clerk
Chuck Curmi, Trustee
Jack Dempsey, Trustee
Bob Doroshewitz, Trustee
Gary Heitman, Trustee

- ALSO PRESENT:Dan Phillips, Fire ChiefThomas Tiderington, Police ChiefLaura Haw, AICP, NCI, McKenna, Planning ConsultantKevin Bennett, Township AttorneyJeremy Schrot, PE, Spalding DeDecker, Township EngineerAlice Geletzke, Recording Secretary13 Members of the Public
- B. PLEDGE OF ALLEGIANCE Led by Police Chief Thomas Tiderington

# C. APPROVAL OF AGENDA

Tuesday, July 14, 2020

Moved by Clerk Vorva and seconded by Trustee Heitman to approve the agenda for the Board of Trustees regular meeting of July 14, 2020. Ayes all.

# **D. APPROVAL OF CONSENT AGENDA**

- D.1 **Approval of Minutes:** Regular Meeting - Tuesday, June 23, 2020
- D.2 Acceptance of Communications, Resolutions, Reports: Communication from Trustee Jack Dempsey
- D.3 Approval of Township Bills:

CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

# Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



FUND	ACCT	ALREADY PAID	TO BE PAID	TOTAL:
General Fund	101	926,826.63	154,003.33	1,080,829.96
Solid Waste Fund	226	6,720.46	854.49	7574.95
Improvement Revolving (Capital)	246			.00
Drug Forfeiture Fund	265			.00
Drug Forfeiture State	266			.00
Drug Forfeiture IRS	267			.00
Golf Course Fund	510			.00
Senior Transportation	588	7799.57	38.99	7838.56
Water/Sewer Fund	592	801,350.67	376,541.25	1,177,891.92
Trust and Agency	701			.00
Police Bond Fund	702			.00
Tax Pool	703			.00
Special Assessment Capital	805	35,657.76	.00	35,657.76

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, July 14, 2020 7:00 PM



PROPOSED MINUTES	
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TOTALS:	1,778,355.09	531,438.06	2,309,793.15

Moved by Trustee Heitman and seconded by Clerk Vorva to approve the consent agenda for the Board of Trustees regular meeting of July 14, 2020. Ayes all.

E. PUBLIC COMMENT (Limited to 3 Minutes) - There was none.

# F. NEW BUSINESS

Copies of resolutions and attachments listed below are available in the Clerk's office for public perusal.

1. Public Hearing for Brownfield Plan for Hillside Residence Apartments, 41661 Plymouth Road (former Courthouse Grille site), *Clerk Jerry Vorva* 

Moved by Supervisor Heise and seconded by Clerk Vorva to open the public hearing for Brownfield Plan for Hillside Residence Apartments at 7:05 p.m. Ayes all on a roll call vote.

There being no public comment, it was moved by Clerk Vorva and seconded by Trustee Heitman to close the public hearing for Brownfield Plan for Hillside Residence Apartments at 7:06 p.m. Ayes all on a roll call vote.

2. Consideration of Brownfield Plan for Hillside Residence Apartments, 41611 Plymouth Road, **Resolution** #2020-07-14-63, Supervisor Kurt Heise, Planning Consultant Laura Haw, Township Engineer Jeremy Schrot

Laura Haw, Township Planner; Jeremy Schrot, Township Engineer, and a representative from Renovare Development spoke on the request for Township consideration of a Brownfield Plan for environmental remediation and site clean-up for the property located at 41661 Plymouth Road (formerly Courthouse Grille). The PUD proposal is to build two 5-story residential structures (88 units) with covered parking located on the first floor of each structure on the site.

A geotechnical report has identified the presence of fill materials—including wood, glass and other debris, noting the existing soils are not suitable for support of the proposed building foundations.

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

# Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



The Brownfield Redevelopment Authority considered the request on June 8, 2020, and their recommendation was contingent on further evaluation of the final figures. Both they, and the Township Engineer, had concerns over the cost estimates. Adjustments have now been made and presented in the plan, which has also been reviewed by the Township Attorney.

Moved by Clerk Vorva and seconded by Trustee Curmi to adopt **Resolution #2020-07-14-63**, authorizing Brownfield Plan approval for Application 2360-0520 for Hillside Residences. Ayes all on a roll call vote.

3. Consideration of Development Extension for Hillside Residence Apartments, 41661 Plymouth Road, **Resolution #2020-07-14-64**, *Planning Consultant Laura Haw* 

Ms. Haw reviewed the request for a second 6-month extension, which would allow the applicant to seek final development plan review from the Planning Commission on August 19, with Board finalization later. Their current extension ends on August 11, 2020.

A key component of the PUD option approval is the framing and transfer of the requested art pieces to the Township and the removal and transfer of the requested historic pieces to the Plymouth Preservation Network (PPN) by August 31, 2020.

Board members discussed with Mr. Jonna their hope for demolition of the building soon.

Moved by Clerk Vorva and seconded by Treasurer Clinton to adopt **Resolution #2020-07-14-64**, authorizing a second, and final, six-month extension to Application 2306-0918 for the Hillside Residences PUD project. Ayes all on a roll call vote.

4. General Technology Ventures Request for Vacation of Existing Public Utility Easement, **Resolution #2020-07-14-65**, *Township Engineer Jeremy Schrot* 

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2020-07-14-65**, authorizing the Township to approve and record the vacated water main easement located a 78-062-01-0019-305, vacant land. Ayes all.

5. Modern Method Sanitary Sewer Easement (Parcel 1), **Resolution #2020-07-14-66**, *Township Engineer Jeremy Schrot* 

Moved by Trustee Heitman and seconded by Trustee Doroshewitz to adopt **Resolution #2020-07-14-66**, authorizing the Township Clerk, Township Attorney, and Township

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 1, and to authorize recording of same. Ayes all.

6. Modern Method Sanitary Sewer Easement (Parcel 2), **Resolution #2020-07-14-67**, *Township Engineer Jeremy Schrot* 

Moved by Trustee Heitman and seconded by Clerk Vorva to adopt **Resolution #2020-07-14-67**, authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 2, and to authorize the recording of same. Ayes all.

7. Edward J. DeRose Sanitary Sewer Easement (Parcel 3), **Resolution #2020-07-14-68**, *Township Engineer Jeremy Schrot* 

Moved by Trustee Heitman and seconded by Trustee Curml to adopt **Resolution #2020-07-14-68**, authorizing the Township Clerk, Township Attorney and Township Engineer to sign the sanitary sewer easement for Edward J. DeRose Parcel 3, and to authorize recording of same. Ayes all.

8. Modern Method Sanitary Sewer Easement (Parcel 4), **Resolution #2020-07-14-69**, *Township Engineer Jeremy Schrot* 

Moved by Trustee Heitman and seconded by Trustee Doroshewitz to adopt **Resolution #2020-07-14-69**, authorizing the Township Clerk, Township Attorney, and Township Engineer to sign the sanitary sewer easement for Modern Method Construction Parcel 4, and to authorize recording of same. Ayes all.

9. Annual Economic Development Update, *Trustee Gary Heitman & Planning Consultant Laura Haw* 

Ms. Haw and Mr. Heitman gave a comprehensive presentation on economic development in the Township in the past year, covering new investment, significant reinvestment, quality of life measures, challenges and opportunities, and what the future holds.

10. 2020 Election Update and Resolution to the Secretary of State to Verify the Accuracy of the Voter Rolls, **Resolution #2020-07-14-70**, *Clerk Jerry Vorva* 

Clerk Vorva informed the Board of the need to clear voter rolls of ineligible voters to prevent possible voter fraud. This has been made apparent by the mailing by the Secretary of States office of millions of Absentee Voter applications to limit exposure to

# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

# Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



the COVID 19 virus. He cited some recent occurrences which are currently being investigated.

Moved by Trustee Curmi and seconded by Trustee Doroshewitz that the Charter Township of Plymouth Board of Trustees requests the Secretary of State:

- 1) To comply with its duties under both the Michigan Election Law and the NVRA to remove from the Qualified Voter Files all persons ineligible to vote; and
- 2) Take other such measures as necessary to eliminate all voter fraud in the election in November of 2020.

Ayes all on a roll call vote.

# E. PUBLIC COMMENT (Limited to 3 Minutes)

John Stewart had comments on how the creation of jobs spreads to other areas in the community, such as growth in residency and other businesses.

### F. BOARD COMMENTS

Supervisor Heise indicated there will be no Board meetings on August 4 and 11, only on August 25.

Clerk Vorva noted that 8,000 absentee ballot request forms have been sent. He asked that his office be contacted by anyone who requested a ballot before July 1 and has not yet received it.

Trustee Doroshewitz referred to a complaint he has received about the dirty conditions of Beck Road.

Trustee Heitman reiterated the importance of returning census information.

Trustee Curmi had questions about how residents were notified of the sidewalk program cancellation.

# G. ADJOURNMENT

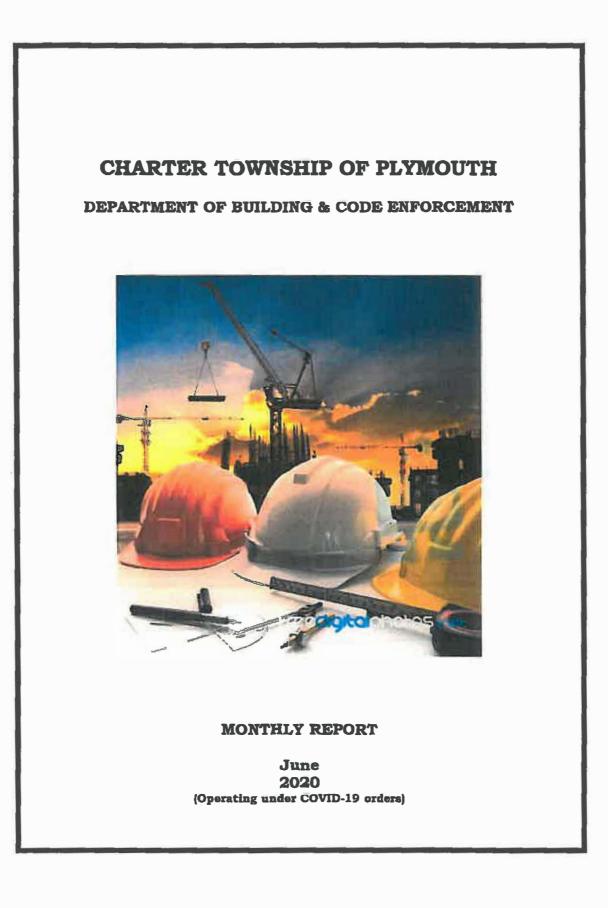
# CHARTER TOWNSHIP OF PLYMOUTH BOARD OF TRUSTEES MEETING

# Tuesday, July 14, 2020 7:00 PM PROPOSED MINUTES



Moved by Trustee Heitman and seconded by Clerk Vorva to adjourn the meeting at 9:48 p.m. Ayes all.

Jerry Vorva, Township Clerk



### Building Department 2020

Classification	Jan	Feb	Mar	April *	May*	June*	July	Aug	Sept	Oct	Nov	Dec	2020 Totais
Total Building Permits	88	52	84	23	87	138							472
Trade Permits													
Electrical	38	28	18	2	13	36							135
Mechanical	49	60	30	10	41	60							250
Plumbing	16	13	11	2	24	23							89
Sewer & Water	7	3	1	1	9	5							26
Total Trade Permits	198	156	144	38	174	262	0	0	0	0	0	0	972
Miscellaneous													
Special Inspections	1	0	0	0	D	1							2
Temp Certificate of Occupancy	4	4	1	0	0	2							11
Re-Occupancy	8	0	0	0	0	0							8
Plan Review	16	12	10	1	11	3							53
ZBA	1	0	4	0	1.	1							7
Re-inspection fees	6	6	2	0	0	2							16
Vacant Land Resignation	0	0	0	0	0	0							0
Total Miscellaneous	36	22	17	1	12	9	0	0	0	0	0	0	97
Application Fee's													
Building	66	47	76	22	75	131							417
Electrical	43	26	21	2	ୀ2	39							143
Mechanical	48	63	31	10	46	67							265
Plumbing	16	12	12	2	22	22							86
License & Registration													
Builders	7	7	6	4	10	25							59
Electrical	14	7	5	0	1	11							38
Mechanical	7	9	2	1	1	6							26
Plumbing	5	2	4	2	4	4							21
Total Misc/License/Application	242	195	174	44	183	314	0	0	0	0	0	٥	1152
Grand Total	440	351	318	82	357	576	0	,0	0	0	0	0	2124
Staffing Levels													
Chief Building Official	1	1	1	1	1	1	1	1	1.	1	1	1	
Full Time Building Inspector	1	1	1	1	1	1	1	1	1	1	1	1	
Full Time Building Coordinator	1	1	1	1	1	1	1	1	1	1	ť	1	
Full Time Building Administrator	1	1	1	1	1	1	1	1	1	1	1	1	
Part-time Time Ordinance Officer	1	1	1	1	1	1	1	1	1	1	1	1	
* = Operating under COVID-19 orders													

# New Commerical Building for 2020

Company Name	Property Address	Type of Work	Construction Value	Status	Month

.

Total Construction Value

# **New Commercial Additions/Alterations for 2020**

Company Name	Property Address	Type of Work	Construction Value	Status	Month
Ct John's managing	44045 5 Mile RD	Wall anchors	22,250	Issued	lanuary
St John's monastery	14492 Sheldon #310	Tenant Finish		Issued	January
Pella Windows			62,000		January
Adient COE	47700 Halyard	Phase 3J remodel	400,000	Issued	January
Adient COE	47700 Halyard	Phase 3G remodel	60,000	issued	January
Adient COE	47700 Halyard	Phase 3E remodel	1,200,000	Issued	January
Elmos	47023 5 Mile RD	Tenant Finish	135,000	Issued	January
Rivian	411000 Plymouth #310 & 370		80,000	Issued	January
General Plymouth	11333 General Dr #125	Tenant Finish	5,000	lssued	February
General Plymouth	11333 General Dr #120	Tenant Finish	5,000	issued	February
General Plymouth	11333 General Dr #110	Tenant Finish	5,000	Issued	February
General Plymouth	11333 General Dr #100	Tenant Finish	5,000	Issued	February
Rivian	13250 Haggerty	Remodel Phase IV	3,000,000	Issued	March
Atlas Tube	13113 Eckles #7-A	2 additions	1,900,000	Issued	April *
Temporary Concrete Batch Plant	939 Mill	SAD concrete	50,000	Issued	May*
Kroger	44525 Ann Arbor RD	Interior remodel	150,000	Issued	May*
Fire Station 2	41212 Wilcox	Concrete Floor	60,000	issued	May*
DVS Technology	44099 Plymouth Oaks	Tenant finish	50,000	Issued	May*
Finlan & Son Insurance	47784 Hayard	Tenant finish	100,000	Issued	May*
Rivian	13250 Haggerty	Spray Booth	38,000	issued	June*
Total Construction Value			7,327,250		
Grand Total Construction Value			7,327,250		

\* Operating on COVID-19 orders

# **Residential Housing 2020**

		Single Fa	mily Detached Total	Total	Sing	le Family	Attached (Tow Total	nhouses/ I Total	NOW HOUS
	Total #	Total #	Value	Square	Total #	Total #	Value	Square	
	<b>Buildings</b>	Dwelling	Construction	Feet	Buildings	Dwelling	Construction	Feet	
January	4	4	1,422,199	10,166	0				
February	1	1	384,568	2,805	0				
March	0				0				
April	0				0				
May	1	1	824,184	6,298	0				
June	0				0				
July					0				
August					0				
September					0				
October					0				
November					0				
December					0				
Totals	6	6	\$2,630,951	19,269	0	0	\$ -	-	e e
	<u>. I W</u>		Buildings (Dup Total	Total	<u>Inree-or-i</u>	<u>more Fam</u>	<u>ily Building (A</u> Total	<u>partments</u> Total	Stacked
	Total #	Total #		Total	<u>, i nree-or-i</u> Total #	Total #	Total Value		Stacked
			Total Value		.*.	Total #	Total	Total	Stacked
January	Total #	Total #	Total Value	Total Square	Total #	Total #	Total Value	Total Square	Stacked
February	Total # <u>Buildings</u>	Total #	Total Value	Total Square	Total # Buildings	Total #	Total Value	Total Square	Stacked
February March	Total # <u>Buildings</u> 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0	Total #	Total Value	Total Square	<u>Stacked (</u>
February March April	Total # <u>Buildings</u> 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0	Total #	Total Value	Total Square	Stacked
February March April May	Total # <u>Buildings</u> 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June	Total # <u>Buildings</u> 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0	Total #	Total Value	Total Square	<u>Stacked (</u>
February March April May June July August	Total # Buildings 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August Septembei	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August September October	Total # Buildings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August September October November	Total # Buildings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August September October	Total # Buildings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Totał # <u>Dweiling</u>	Total Value Construction	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August September October November	Total # Buildings 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total #	Total Value	Total Square	Stacked
February March April May June July August September October November December Totals	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0 0 0	Totał # <u>Dweiling</u> 0 Total #	Total Value Construction	Total Square	Total # <u>Buildings</u> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Total # Dwelling	Total Value Construction	Total Square <u>Feet</u>	



#### Revenue Breakdown Report

Page: 1 of 31

### 07/01/2020

Filter: All Records, Transaction.DateToPostOn in <Previous month> [06/01/20 - 06/30/20] AND Transaction.TransactionNumber Not = 67,079 AND Transaction.TransactionNumber Not = 67,078

Unit Totals	The Designation of the second states of the second	
Unit Mase	Records	Revenue
	262	66,657.70
TOTAL	262	66,657.70

Record Type Totals	and a set of the set of the set of the set of the	COLUMN TAXABLE IN 1990
Unit	Records	Revenue
Permit	262	66,657.70
UNIT TOTAL:	262	66,657.70

Record Type Breakdowns		
Unit		
Record Type Permit	Records	Revenue
Building	138	40,435.00
Electrical	36	6,851.00
Mechanical	60	8,497.00
Plumbing	23	3,266.00
Sewer & Water	5	7,608.70
TOTAL:	262	66,657.70



### **Response Information:**

The Plymouth Township Fire Department responded to **266** emergencies this month. There was an average of **8.86** runs per day this month. PTFD's average response time was **5 minutes**, **44 seconds** to the scene. This includes all responses including non-emergent.

### Mutual Aid:

Plymouth Township Fire Department is a member of the Western Wayne County Mutual Aid Association.

	Mutual Aid Received	Mutual Aid Given
Canton	4	6
Northville City	4	2
Northville Township	4	8
Livonia	.t.	1

### Fire Loss:

There were **12** fires this month that accounted for **\$410,000.00** worth of damage to possessions and property. We prevented the destruction of **\$3,659,000.00** In property.

### **EMS Information:**

HVA transported 74 patients to the hospital. Plymouth Township Fire transported 19 patients to the hospital. Plymouth transports billed out \$15,337.00 this month, received \$19,707.44 and have \$9,163.68 in outstanding bills over 180 days.

### Fire Prevention:

Plymouth Township Fire Department provided **18** comprehensive fire inspections to businesses within Plymouth Township. This month the Department conducted **1** drive by for children's birthdays in conjunction with the Police Department.

Revised 11/8/19 J:/Fire/Monthly Reports/Monthly Report Form

save as PDF

10/16

In January run a 12 month/yearend report of previous year.

**Reports Included:** 

**CLEMIS Reports** 

Incidents Section

- Incident Summary by Incident type •
  - o Incident Type
  - o Type count
  - o Property Loss
  - o Property Value
- Mutual Aid by Department .
  - o Mutual aid Received
  - o Mutual Aid Given

### Local Section

- Fire Department Response Times
- o Turnout Time
- o Response Time

### Health EMS

### Agency Productivity

- Agency Activity Summary
- o Patients Transported by HVA
- o Patients Transported by PTFD

Billing Summary

Inspection Report

Total count for Public Education - Review Fire Modules Calendar

Yearend - include total training hours

Revised 11/8/19 J:/Fire/Monthly Reports/Monthly Report Form

save as PDF

2 7/4

# Incident Type Count - Monthly For Dates 6/1/20 - 6/30/20



	Incident Type and Description	Count	% Type / % Total
June			
	111 - Building fire	3	25.00 %
	113 - Cooking fire, confined to container	2	16.67 %
	130 - Mobile property (vehicle) fire, other	2	16.67 %
	131 - Passenger vehicle fire	2	16.67 %
	132 - Road freight or transport vehicle fire	1	8.33 %
	140 - Natural vegetation fire, other	2	16.67 %
	Total - Fires	12	4.51 %
	321 - EMS call, excluding vehicle accident with injury	155	87.08 %
	321C - EMS call, possible COVID-19	1	0.56 %
	322 - Vehicle accident with injuries	19	10.67 %
	323 - Motor vehicle/pedestrian accident (MV Ped)	1	0.56 %
	324 - Motor vehicle accident with no injuries	2	1.12 %
	Total - Rescue & Emergency Medical Service Incidents	178	66.92 %
	412 - Gas leak (natural gas or LPG)	4	25.00 %
	422 - Chemical spill or leak	1	6.25 %
	440 - Electrical wiring/equipment problem, other	1	6.25 %
	442 - Overheated motor	3	18.75 %
	444 - Power line down	6	37.50 %
	445 - Arcing, shorted electrical equipment	1	6.25 %
	Total - Hazardous Conditions (No fire)	16	6.02 %
	500 - Service Call, other	1	7.69 %
	540 - Animal problem, other	1	7.69%
	550 - Public service assistance, other	1	7.69 %
	554 - Assist invalid	6	46.15 %
	561 - Unauthorized burning	4	30.77 %
	Total - Service Call	13	4.89 %
	600 - Good intent call, other	2	8.33 %
	611 - Dispatched & cancelled en route	19	79.17 %
	611E - EMS: Dispatched & cancelled en route	1	4.17 %
	622 - No incident found on arrival at dispatch address	1	4.17 %
	651 - Smoke scare, odor of smoke	1	4.17 %
	Total - Good Intent Call	24	9.02 %
	700 - False alarm or false call, other	8	42.11 %
	714 - Central station, malicious false alarm	1	5.26 %
	733 - Smoke detector activation due to malfunction	3	15.79 %
	735 - Alarm system sounded due to malfunction	3	15.79 %

# **Incident Type Count - Monthly**

Incident Type and Description	Count	% Type / % Total
740 - Unintentional transmission of alarm, other	3	5.26 %
743 - Smoke detector activation, no fire - unintentional	1	5.26 %
745 - Alarm system sounded, no fire - unintentional	1	5.26 %
746 - Carbon monoxide detector activation, no CO	1	5.26 %
Total - False Alarm & False Call	19	7.14 %
900 - Special type of incident, other	2	50.00 %
9001 - Dispatch Error	2	50.00 %
Total - Special Incident Type	4	1.50 %
	266	

Incidents for Time Frame:

266

4 87 16

# **Municipal Response Times Report**

For Dates Beginning 6/1/20 Ending 6/30/20 Incident Types selected for analysis: All For All Priority Types



Time	Alarm	Percent	Cumu	lative	Dispatch	Percent	Cumu	lative	Enroute	Percent	Cumul	lative	Alarm	Percent	Cumu	lative	Dispatch	Percent	Cumula	ative
in Minutes	to Dispatch	Total		s Percent	to Enroute	Tatal		s Percent	to Arrival		Response	s Percent	to Arrival	T 1	Response	s Percent	to Arrival	Total	Responses	Percent
	•				1								I						•	
0 - 1	130	52.85	130	52.85	80	34.19	80	34.19	12	5.31	12	5.31	2	0.86	2	0.86	6	2.58	6	2.58
1 - 2	80	32.52	210	85.37	101	43.16	181	77.35	22	9.73	34	15.04	4	1.72	6	2.58	6	2.58	12	5.15
2 - 3	31	12.60	241	97.97	31	13.25	212	90.60	38	16.81	72	31.86	13	5.58	19	8.15	18	7.73	30	12.88
3 - 4	4	1.63	245	99.59	15	6.41	227	97.01	35	15.49	107	47.35	8	3.43	27	11.59	29	12.45	59	25.32
4 - 5	1	0.41	246	100.00	2	0.85	229	97.86	42	18.58	149	65.93	36	15.45	63	27.04	30	12.88	89	38.20
5 - 6	0	0.00	246	100.00	1	0.43	230	98.29	33	14.60	182	80.53	29	12.45	92	39.48	48	20.60	137	58.80
6 - 7	0	0.00	246	100.00	1	0.43	231	98.72	21	9.29	203	89.82	42	18.03	134	57.51	36	15.45	173	74.25
7 - 8	0	0.00	246	100.00	1	0.43	232	99.15	9	3.98	212	93.81	33	14.16	167	71.67	23	9.87	196	84.12
8 - 9	0	0.00	246	100.00	0	0.00	232	99.15	5	2.21	217	96.02	25	10.73	192	82.40	17	7.30	213	91.42
9 - 10	0	0.00	246	100.00	0	0.00	232	99.15	5	2.21	222	98.23	17	7.30	209	89.70	3	1.29	216	92.70
10 +	0	0.00	246	100.00	2	0.85	234	100.00	4	1.77	226	100.00	24	10.30	233	100.00	17	7.30	233	100.00

Incident

#### Total:

246

#### Average Times per Incident

Average PSAP Processing Time: 0 minute(s) 59 second(s) (Alarm to Dispatch)

Percent less than or equal to 60 Seconds: 52.85 Percent less than or equal to 90 Seconds: 71.54

Average Fire Department Turn Out Time: 1 minute(s) 37 second(s) (Dispatch to Enroute)

Average Fire Department Turn Out and Travel Time: 5 minute(s) 44 second(s) (Dispatch to Arrive)

Percentile Response Times in Accordance with NFPA Standards

PSAP Processing Time less than 60 seconds: 52.85% (Alarm to Dispatch)

Fire Department Turn Out Time less than 60 seconds: 34.19% (Dispatch to Enroute)

Fire Department Travel Time less than 4 minutes: 47.35% (Enroute to Arrive)

Average Municipal Response Time: 6 minute(s) 45 second(s) (Alarm to Arrive)

# Listing of Mutual Aid Responses by Mutual Aid Department



Time Period: 6/1/20 - 6/30/20

Departmen	t: Canton Twp FD				
Mutual aid 1	received				
200001236	6/11/20 5:57:33PM	1	08204		40584 NEWPORTE DR
200001342	6/22/20 7:17:50PM	1	08204		11337 MORGAN
200001356	6/24/20 7:09:20PM	1	08204		N BECK
200001379	6/27/20 1:15:49AM	1	08204		9191 BAYWOOD DR
Subtotal 1	Mutual aid received			4	
Mutual aid g	given				
200001284	6/17/20 12:49:15AM	3	08204		45562 HANNFORD
200001308	6/19/20 4:33:17PM	3	08204		51350 FORD
200001331	6/21/20 5:07:00PM	3	08204		8334 HONEYTREE
200001339	6/22/20 3:59:41PM	3	08204		44177 FRANCISCAN
200001374	6/26/20 1:56:25PM	3	08204		2000 N CANTON CENTER
200001389	6/28/20 5:58:16PM	3	08204		51000 MOTT
	Mutual aid given Canton Twp <u>FD</u>			6 10	

#### **Department: City of Northville FD**

Mutual aid re	eceived				
200001236	6/11/20 5:57:33PM	1	08232		40584 NEWPORTE DR
200001341	6/22/20 7:12:49PM	1	08232		14707 NORTHVILLE RD
200001358	6/24/20 7:20:19PM	1	08232		47001 PORT
200001379	6/27/20 1:15:49AM	1	08232		9191 BAYWOOD DR
Subtotal Mutual aid received				4	
Mutual aid gi	iven				
200001301	6/18/20 10:02:06PM	3	08232		S MILL ST
200001311	6/19/20 6:05:47PM	3	08232		1142 BYRON
	lutual aid given			2	
Subtotal C	ity of Northville FD			6	

#### Department: Livonia Fire & Rescue

#### Mutual aid received

200001303 6/19/20 9:32:12AM

08229

1

E M14 HWY

Printed: 7/15/20 Page 1 of 2

22 of 185 Time Period: 6/1/20 - 6/30/20							
				1			
Mutual aid g		2	08220				
200001240	6/12/20 11:07:32PM	3	08229	1	ECKLES RD		
	Mutual aid given Livonia Fire & Rescue			1 2			
Denartmen	t: Northville FD						
-							
Mutual aid g	6/14/20 11:59:44AM	3	08232		42000 SEVEN MILE		
		3	08232	1	42000 SEVEN MILE		
	Mutual aid given Northville FD			1			
Departmen	t: Northville Twp FD						
Mutual aid	received						
200001153	6/2/20 4:47:56PM	1	08255		STATE HWY		
200001304	6/19/20 10:50:04AM	1	08255		40650 IVYWOOD LN		
200001341	6/22/20 7:12:49PM	1	08255		14707 NORTHVILLE RD		
200001358	6/24/20 7:20:19PM	1	08255		47001 PORT		
Subtotal I	Mutual aid received			4			
Mutual aid g	given						
200001143	6/1/20 5:57:27PM	3	08255		44300 FIVE MILE RD		
200001145	6/1/20 10:01:53PM	3	08255		46896 PICKFORD ST		
200001150	6/2/20 2:20:02PM	3	08255		18451 JAMESTOWN CIR		
200001263	6/15/20 12:35:27PM	3	08255		42206 FARRAGUT CT		
200001264	6/15/20 12:37:24PM	3	08255		17144 MAPLE HILL DR		
200001328	6/21/20 10:29:10AM	3	08255		WILDFLOWER DR		
200001385	6/27/20 9:38:23PM	3	08255		15477 NORTHVILLE FOREST DR		
200001400	6/30/20 6:39:41PM	3	08255		17998 RIDGEVIEW DR		
	Mutual aid given Northville Twp FD			8 12			

Total

27

# **Incident Summary by Incident Type**

Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Total for Station: ST2	10	00:07:33	\$ 0.00	\$ 0.00
Station: ST3				
Rescue & Emergency Medical Service Incidents	15	00:07:04	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:00:13	\$ 0.00	\$ 0.00
Service Calls	2	00:09:19	\$ 0.00	\$ 0.00
Good Intent Calls	4	00:01:44	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:08:39	\$ 0.00	\$ 0.00
Special Incident Types	1	00:09:08	\$ 0.00	\$ 0.00
Total for Station: ST3	25	00:06:20	\$ 0.00	\$ 0.00
Total for Shift: B	78.00	00:06:46	\$ 1,000.00	\$ 21,000.00
Shift: C Station: MA				
Hazardous Conditions (No fire)	1	00:03:51	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:00:00	\$ 0.00	\$ 0.00
Total for Station: MA	3	00:01:17	\$ 0.00	\$ 0.00
Station: ST1				
Fires	2	00:07:38	\$ 355,000.00	\$ 838,000.00
Rescue & Emergency Medical Service Incidents	39	00:06:27	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:04:30	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:01:44	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:11:32	\$ 0.00	\$ 0.00
Total for Station: ST1	47	00:06:26	\$ 355,000.00	\$ 838,000.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	5	00:07:58	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:09:00	\$ 0.00	\$ 0.00
Total for Station: ST2	6	00:08:08	\$ 0.00	\$ 0.00
Station: ST3			<b>A a a a a a a a a a a</b>	
Fires	2	00:10:11	\$ 28,000.00	\$ 25,000.00
Rescue & Emergency Medical Service Incidents	22	00:07:23	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	5	00:07:52	\$ 0.00	\$ 0.00
Service Calls	2	00:08:03	\$ 0.00	\$ 700,000.00
Good Intent Calls	6	00:00:49	\$ 0.00	\$ 0.00
False Alarm & False Calls Total for Station: ST3	<u> </u>	00:06:29 00:06:34	\$ 0.00	\$ 0.00 \$ 725,000.00
Total for Shift: C	99.00	00:06:26	\$ 383,000.00	\$ 1,563,000.00
			,	- ,,
Total	266.00	00:06:18	\$ 410,000.00	\$ 4,359,500.00

8 0/ 16

# **Incident Summary by Incident Type**

For Dates: 6/1/20 - 6/30/20



Incident Type	Incident Count	Average Response Time	Total Loss	Total Value
Shift: A				
Station: MA				
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
Total for Station: MA	1	00:00:00	\$ 0.00	\$ 0.00
Station: ST1				
Fires	3	00:05:09	\$ 10,500.00	\$ 605,500.00
Rescue & Emergency Medical Service Incidents	44	00:05:09	\$ 10,500.00	
Hazardous Conditions (No fire)	1	00:08:03	\$ 0.00	\$ 0.00 \$ 0.00
Service Calls	3	00:08:40	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:00:28	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:07:29	\$ 0.00	\$ 0.00
Special Incident Types	1	00:00:03	\$ 0.00	\$ 0.00
Total for Station: ST1	57	00:05:43	\$ 10,500.00	\$ 605,500.00
Station: ST2			,	• • • • • • • • • • • • • • • • • • • •
Rescue & Emergency Medical Service Incidents	4	00:06:04	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:04:02	\$ 0.00	\$ 0.00
Total for Station: ST2	5	00:05:40	\$ 0.00	\$ 0.00
Station: ST3				
Fires	2	00:06:55	\$ 15,500.00	\$ 2.170,000.00
Rescue & Emergency Medical Service Incidents	13	00:06:00	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:07:43	\$ 0.00	\$ 0.00
Service Calls	1	00:09:33	\$ 0.00	\$ 0.00
Good Intent Calls	3	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	4	00:09:25	\$ 0.00	\$ 0.00
Special Incident Types	2	00:05:37	\$ 0.00	\$ 0.00
Total for Station: ST3	26	00:06:04	\$ 15,500.00	\$ 2,170,000.00
Total for Shift: A	89.00	00:05:45	\$ 26,000.00	\$ 2,775,500.00
Shift: B			÷ =0,000.00	<b>42, 10, 0000</b>
Station: ST1				
Fires	3	00:05:36	\$ 1,000.00	\$ 21,000.00
Rescue & Emergency Medical Service Incidents	30	00:07:22	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	2	00:07:54	\$ 0.00	\$ 0.00
Service Calls	5	00:06:02	\$ 0.00	\$ 0.00
Good Intent Calls	1	00:00:00	\$ 0.00	\$ 0.00
False Alarm & False Calls	2	00:05:17	\$ 0.00	\$ 0.00
Total for Station: ST1	43	00:06:50	\$ 1,000.00	\$ 21,000.00
Station: ST2				
Rescue & Emergency Medical Service Incidents	6	00:09:38	\$ 0.00	\$ 0.00
Hazardous Conditions (No fire)	1	00:06:58	\$ 0.00	\$ 0.00
Good Intent Calls	2	00:02:01	\$ 0.00	\$ 0.00
False Alarm & False Calls	1	00:06:45	\$ 0.00	\$ 0.00

9916

# Agency Activity Summary

### Plymouth Township Fire Dept

Agency: Plymouth Township Fire Dept | Service Date: From 06/01/2020 Through 06/30/2020 | Run Disposition: All Transports, Treated and Transferred Care

### Total Number of ePCRs: 93

### Total Number of Incidents: 93

#### By Branch

02 St	ation 2 = <sup>·</sup>	10 0	03 Station 3 = 25		
<u>#</u>	<u>%</u>			<u>#</u>	%
19	20.4%	Dead Prior To Arrival		N/A	N/A
74	79.6%	Dead After Arrival			N/A
N/A	N/A	Treat/Transported by Private \	/eh.	N/A	N/A
N/A	N/A	Assist		N/A	N/A
N/A	N/A	Other			N/A
N/A	N/A	No Patient Found		N/A	N/A
N/A	N/A				
N/A	N/A				
<u>#</u>	%			<u>#</u>	<u>%</u>
93	100.0%	Non-Emergency Runs		N/A	N/A
N/A	N/A	Stand By			N/A
3	3.2%	Mutual Aid		N/A	N/A
N/A	N/A	Interfacility			N/A
N/A	N/A	Intercept			N/A
N/A	N/A	Non-Emergency Runs (Sched	uled)	N/A	N/A
N/A	N/A	• •			N/A
N/A	N/A	Mutual Aid			N/A
N/A	N/A	Interfacility			N/A
N/A	N/A	Intercept			N/A
	# 19 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	#         %           19         20.4%           74         79.6%           N/A         N/A           M/A         N/A           M/A         N/A           N/A         N/A	#       %         19       20.4%       Dead Prior To Arrival         74       79.6%       Dead After Arrival         N/A       N/A       Treat/Transported by Private \         N/A       N/A       Assist         N/A       N/A       Assist         N/A       N/A       Other         N/A       N/A       No Patient Found         N/A       N/A       N/A         #       %         93       100.0%       Non-Emergency Runs         N/A       N/A       Stand By         3       3.2%       Mutual Aid         N/A       N/A       Intercept         N/A       N/A       Intercept         N/A       N/A       Stand By         N/A       N/A       Intercept         N/A       N/A       Mutual Aid         N/A       N/A       Mutual Aid         N/A       N/A       Mutual Aid         N/A       N/A       Mutual Aid         N/A       N/A       Interfacility	<ul> <li># %</li> <li>19 20.4% Dead Prior To Arrival</li> <li>74 79.6% Dead After Arrival</li> <li>N/A N/A Treat/Transported by Private Veh.</li> <li>N/A N/A Assist</li> <li>N/A N/A Other</li> <li>N/A N/A Other</li> <li>N/A N/A No Patient Found</li> <li>N/A N/A</li> <li>MA N/A Stand By</li> <li>3 3.2% Mutual Aid</li> <li>N/A N/A Interfacility</li> <li>N/A N/A Intercept</li> </ul> N/A N/A Stand By N/A N/A Stand By N/A N/A Intercept N/A N/A Mutual Aid N/A N/A Mutual Aid N/A N/A Mutual Aid N/A N/A Interfacility N/A N/A Interfacility N/A N/A Interfacility N/A N/A Stand By N/A N/A Stand By N/A N/A Stand By N/A N/A Mutual Aid N/A N/A Mutual Aid N/A N/A Interfacility N/A N/A Mutual Aid N/A N/A Mutual Aid N/A N/A Interfacility N/A N/A Interfacility N/A N/A Interfacility N/A N/A Mutual Aid N/A N/A Mutual Aid N/A N/A Interfacility	#       %       #         19       20.4%       Dead Prior To Arrival       N/A         74       79.6%       Dead After Arrival       N/A         N/A       N/A       Treat/Transported by Private Veh.       N/A         N/A       N/A       Assist       N/A         N/A       N/A       Assist       N/A         N/A       N/A       Assist       N/A         N/A       N/A       Assist       N/A         N/A       N/A       Other       N/A         N/A       N/A       No Patient Found       N/A         N/A       N/A       N/A       N/A         N/A       N/A       Stand By       N/A         N/A       N/A       Interfacility       N/A         N/A       N/A       Interfacility       N/A         N/A       N/A       N/A       N/A         N/A       N/A       N/A       N/A         N/A       N/A<

#### Emergency Type Left Blank: 0

#### **Runs by Unit**

	Total	Treat/	Treat/	Treat/No	Treat/No	Transp/		Dead	Dead	T/T	No Trans/			No Pat.
<u>Unit</u>	Runs	<u>Transp</u>	Transfer	Transp(AMA)	Transp(PP)	Ref. Care	Cancelled	Prior Arr	After Arr	Priv Veh	Ref. Care	Assist	Other	Found
RES1	58	11	47	0	0	0	0	0	0	0	0	0	0	0
RES2	10	1	9	0	0	0	0	0	0	0	0	Ō	Ō	õ
RES3	25	7	18	0	0	0	0	0	0	0	0	0	Ő	0
Total	93	19	74	0	0	0	0	0	0	0	0	0	0	0

### **Runs by Service Level**

Dispatched			Recommended		
<u>Service Level</u>	<u>#</u>	<u>%</u>	Service Level	<u>#</u>	%
BLS	5	5.4%	BLS	67	72.0%
ALS	88	94.6%	ALS1	25	26.9%
SCT	N/A	N/A	ALS2	1	1.1%
			SCT	N/A	N/A
			Rotary Wing	N/A	N/A
			Fixed Wing	N/A	N/A

# Runs by Insurance Type with Service Level (Multiple insurance types may have

				001110		ton (manuf		unee type	so may m					
been marked o	n a run)													
Type	BLS	<u>%</u>	<u>ALS1</u>	<u>%</u>	<u>ALS2</u>		<u>SCT</u>	%Rotar	y Wing	<u>%Fixe</u>	d Wing	<u>%</u>	<u>Total</u>	%
Medicare	N/A	N/A	1	1.1%	N/A		N/A	N/A	N/A	N/A	N/A	N/A	1	1.1%
None	67	72.0%	24	25.8%	1	1.1%	N/A	N/A	N/A	N/A	N/A	N/A	92	98.9%
		-	_											
Runs by Pri	imary	PI (No	te - Pr	imary I			n the I	CD-10	priority	<u>/ setup</u>	in Hea	Ithen	<u>15)</u>	
_Description					<u>#</u>	<u>%</u>								
Abdominal Pa					7	7.5%								
Ait. Level Cor	nscious				6	6.5%								
Anxiety					1	1.1%								
Back Pain (N	o Traun	na)			1	1.1%								
Behavioral Di	sorder				2	2.2%								
CVA/Stroke					2	2.2%								
Cardiac Arres	st				1	1.1%								
Chest Pain					5	5.4%								
Dizziness					2	2.2%								
Dyspnea-SO	3				5	5.4%								
Headache (no	o trauma	a)			1	1.1%								
Monitoring Re	equired				2	2.2%								
Psychiatric El					2	2.2%								
Seizure	•				2	2.2%								
Syncope/Fain	nting				2	2.2%								
Trauma Injury	-				20	21.5%								
Unconscious					2	2.2%								
Unknown Me	dical				13	14.0%								
Weakness					15	16.1%								
Left Blank					2	2.2%								
Total					93	100.0%								
						-								

11 8 16

# Runs by Dispatch (EMD) Code

Description	<u>#</u>	<u>%</u>
1 Abdominal Pain	6	6.5%
10 Chest Pain [non-traumatic]	5	5.4%
12 Convulsions/Seizures	1	1.1%
17 Falls	16	17.2%
23 Overdose/poisoning	5	5.4%
25 Psychiatric/Abnormal behavior/Suicide Attempt	4	4.3%
26 Sick Person	17	18.3%
28 Stroke [CVA]	2	2.2%
29 Traffic/Accidents	4	4.3%
30 Traumatic Injuries	7	7.5%
31 Unconscious/Fainting	6	6.5%
32 Unknown Problem	5	5.4%
5 Back Pain	2	2.2%
6 Breathing Problems	9	9.7%
9 Cardiac or Respiratory Arrest/Death	1	1.1%
99 Unknown	3	3.2%
Left Blank	0	0.0%
Total	93	100.0%

12416

# Transport From (Category)

	<u>#</u>	<u>%</u>
Left Blank	93	100.0%
Total	93	100.0%
Transport From (Facility)		
	<u>#</u>	%
Left Blank	93	100.0%
Total	93	100.0%
Transport To (Destination Facility)		
	<u>#</u>	<u>%</u>
St Mony Livenia ED	70	70 50/
St Mary Livonia ER	73	78.5%
St Joe Ann Arbor ER	73 8	78.5% 8.6%
•		
St Joe Ann Arbor ER	8	8.6%
St Joe Ann Arbor ER Providence Park ER-Novi	8 4	8.6% 4.3%
St Joe Ann Arbor ER Providence Park ER-Novi UNIVERSITY OF MICHIGAN ER	8 4 4	8.6% 4.3% 4.3%
St Joe Ann Arbor ER Providence Park ER-Novi UNIVERSITY OF MICHIGAN ER Beaumont Farmington Hills (Botsford)	8 4 4	8.6% 4.3% 4.3% 2.2%

13 4 14

# CHARGE SUMMARY PLYMOUTH MONTHLY CHARGE REPORT **REPORT AS OF JUNE 30, 2020**

				<b>CHARGE</b>	<u>CHARGE</u>		TOTAL CHARGE
	Description	QTY	<u>QTY%</u>	Count	Count	<u>Charges</u>	<u>%</u>
<u>ID</u>	ALS EMERGENCY	15	6.73	15	35.71	9750.00	63.57
	ALS II EMERGENCY	1	0.045	1	2.38	800.00	5.22
42	7 BLS EMERGENCY	4	1.79	4	9.52	2000.00	13.04
43	33 CMS MILEAGE	15	6.73	15	4.76	180.00	1.17
42	29 MILEAGE	186	83.41	18	42.86	2232.00	14.55
0425MC	MOTOR VEHICLE ACCIDENT	2	0.90	2	4.76	375.00	2.45
42	25						
MVA		223		42		15337.00	

14816

# <u>CREDIT SUMMARY</u> PLYMOUTH MONTHLY CREDIT REPORT REPORT AS OF JUNE 30, 2020

	Description	Credit QT	Y %	Amount	Amount %
<u>ID</u>	Adjustment	32	29.09	5340.65	27.1
	Other Payment	61	55.45	9463.2	48.02
	2 Other Refund	1	0.91	-125	-0.63
	1 Patient Payment	5	4.55	466.59	2.37
	4 Write Off	11	10	4562	23.15
	6				
	5	110		19707.44	

TOTALS

15 8 16

# AGING SUMMARY PLYMOUTH MONTHLY AGING REPORT REPORT AS OF JUNE 30, 2010

ID	Description	<u>Calls</u>	Current	<u>31 to 60</u>	<u>61 to 90</u>	<u>91 to 120</u>	<u>121 to 150</u>	<u>151 to 1 (</u>	<u> Over 180</u>	<u>Total</u>
1MRP	PAPER ~ MEDICARE	1	743.6	0	0	0	0	0	0	743.6
APPL	APPEAL PATIENT 30	3	244.72	722	0	0	99.68	0	0	1066.4
BCBS	ELECT BCBS	3	1010	0	675.2	0	686	0	0	2371.2
CAIP	PAPER MEDICAID R	3	0	0	0	0	0	0	1870.8	1870.8
CARE	ELECT - MEDICARE	2	860	0	0	724.4	0	0	0	1584.4
CAREBL	ELECT MEDICARE P	3	0	0	0	0	0	548	1296.4	1844.4
COMP	PAPER WORK COM	2	0	782	0	0	0	0	722	1504
CRED	MHR REFUND CREDI	2	0	-516	0	0	0	0	-25	-541
FIREINS	FIRE RECOVERY 15	4	0	0	0	375	0	0	675	1050
INSU	PAPER INS PRIMAR	6	698	0	1097	0	0	1089.2	659.41	3543.61
PPAR	PAPER BCBS PARTI	1	0	95.26	0	0	0	0	0	95.26
PRIV	REQUEST PRIVATE	1	0	0	0	0	707.6	0	0	707.6
PRV2	PAPER ~ PRIVATE P	31	12739	0	425	729 23	0	1143	2078.57	17114.8
REVIEW	REVIEW	16	794	734	1576	2937.79	2186.43	711.2	897.5	9836.92
SINS	PAPER INS SECOND	2	97.09	0	87.54	0	0	0	0	184.63
TIME	TIME PAY ACCOUNT	3	0	0	0	0	0	0	989	989
ZIRCAID	ELECT MEDICAID ZI	1	0	0	0	0	0	572	0	572
Totals		84	17186.41	1817.26	3860.74	4766.42	3679.71	4063.4	9163.68	44537.62

16 8 16

#### 31 of 185



# Plymouth Twp. Police June 2020

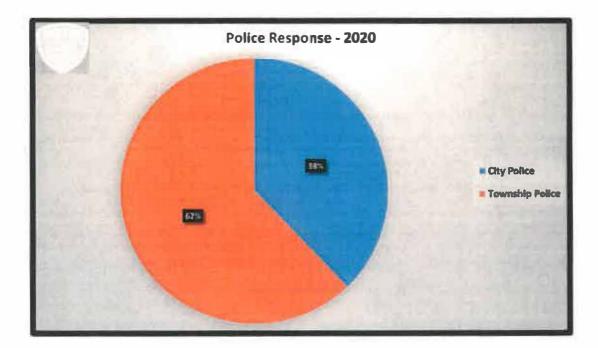


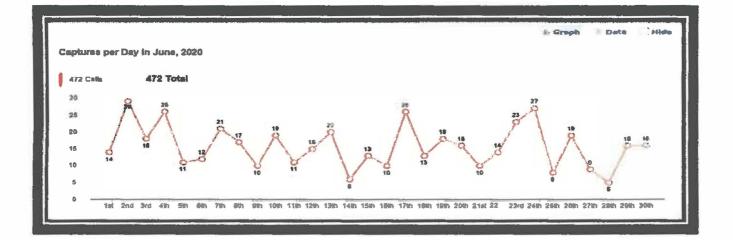
### PART-ONE CRIMES

	Contract.	ritta M2	and the second se	nuary 1, 2	T STORE STORE	and the second se	the second s	And I I Do No. of Concession, Name	100010	2000	111	-	1000
2029		and the second se		- Selfis Mills	JUNE	301	AUG 01	SED	OCT	NOV	DEC	the second s	TO TOTAL
Murder	0	0	2	0	0	2	0	0	0	0	0	0	
CSC	0	0	0		1	0		0		0	0		
Robbery	0	0		0	0	0	0	0	0			0	
Approveded Assoult	0		0	0		_	0	0	0	0	0	0	
Burglary	4	0	1	0		_1	0			0			
Larcany	6	4	7	2	4	9	0	0	0	0	0	0	3
Auto Theft	4	2	0	3	0	2	0	0	0	0	0	0	1
Araon	0	0	0	0	0	0	0	0	0	0	0	0	
Rois B Freud	3	2	3	0	1	0	0	Q	0	0	0	0	
Part A Other	17	8	13	5		14	0	0	0	0	0	0	6
Total Part A	40	82	31	21	26	28	0	0]	0	0	0	Û	20
			Ja	nuary 1, 2	2019 thro	ugh Dec	ember 3	1, 2019					
2018	JAN	FED MA	and the second se	and the second se	2019 thro	ugh Dec	cember 3	1, 2019	001	NOV	DEC	Y	TD TOTAL
	a second second		APP APP	and the second se	JUNE	JUL	PERSONAL PROPERTY AND INCOME.	and the second second second	OCT		DEC.	11 11	TD TOTAL
Murder	0	Û	5 <i>R API</i> 0	MAY		00L	AUG	667 0	Take Lot	Û			
Murder CSC	a second second		APP APP	MAY 0	JUNE 0	JUL	AUG Ú	SEP	C		Ů	1	
Munder CSC Robbery	0	0 0	6R AFF 0	0 1	DINE DI DI	0 0	AUC 0 1	0 0	0	0 2	Ů 0	1	1
Murder CSC Robbery Aggrevated Assault	0	0 0 0	5R AFF 0 0	0 0 1 0	0 0 0	0 0 0	AUC 0 1	0 P 0 0 0	0 1 0	0 2	0 0	1 0 1	1
Munder CSC Robbary Aggrevated Assault Burgtery	000000000000000000000000000000000000000	0 0 0 3	0 0 0 1	0 1 0 1	0 0 0 0 1	0 0 0 0	AUG Ŭ 1 0 1	0 0 0 0	C 1 0 1	0 2	0 0 0	1 0 1 0	1
Munder CSC Robbery Aggrevated Assault Burgery Larceny	0 0 0 0 2	0 0 0 3 1	0 0 0 1 0	0 1 0 1 2	0 0 0 1 0	0 0 0 1	AUG Ŭ 1 0 1 5	0 0 0 1 6	0 1 1 3	0 2 0 1 1	0 0 0 0	1 0 1 0 1	1 2 13 2
Murder CSC Robbery Aggrevated Assault Burglary Larceny Auto Theft	0 0 0 0 0 2 18	0 0 3 1 9 2 0	0 0 1 1 18	0 1 0 1 2 8	0 0 0 1 1 11	0 0 0 1 9	AUG Ŭ 1 0 1 5	0 0 0 1 6 8	C 1 0 1 3 12	0 2 0 1 1 3	0 0 0 0 0 13	1 0 1 0 1 21	1 2 13 2
Murder CSC Robbery Aggrevated Assault Burglary Larceny Auto Theft Arson	0 0 0 2 18	0 0 3 1 9 2	0 0 1 0 16 3	0 1 0 1 2 8 1	0 0 0 1 1 0 11 0	0 0 0 1 9 1	AUG Ŭ 1 0 1 5	0 0 0 1 6 8 1	C 1 0 1 3 12 2	ů 2 0 1 1 3 2	0 0 0 0 13 2	1 0 1 0 1 21 5 0 0	1 2 13 2
Murder CSC Robbery Aggrevated Assault Burgery Larceny Auto Theft Arson Retall Fraud	0 0 0 2 18 1 0	0 0 3 1 9 2 0	0 0 0 1 0 18 3 0	0 1 0 1 2 8 1 0	0 0 1 1 0 11 0 0 0	0 0 0 1 9 1 0	AUC Ů 1 0 1 5 9 1 1 1		C 1 0 1 3 12 2 0	0 2 1 1 3 2 0	0 0 0 0 13 2 0	1 0 1 21 5 0 0 0	1 2 13 2
Munder CSC Robbery Apprevated Assault Burgery Larceny Auto Theft Arson Retail Fraud Pert A Cities	0 0 0 2 18 1 0 1	0 0 3 1 9 2 0 2	0 0 0 1 0 1 6 3 0 0	MAY 0 1 2 8 1 0 1	0 0 0 1 0 1 1 0 0 0 0	0 0 0 1 9 1 0 0	AUC 0 1 0 1 5 9 1 1 0		0 1 0 1 3 12 2 0 2	0 2 0 1 1 3 2 0 1	0 0 0 13 2 0 0	1 0 1 0 1 21 5 0 0	1 2 13 2
Auder CSC Robbery Aggrevated Assaut Burglary Larceny Auto Theft Arson Retail Fraud Part A Others Total Part A All Other Crimes	0 0 0 2 18 1 1 0 1 1 2 22	0 0 3 1 9 2 0 2 17	0 0 0 1 0 16 3 0 0 0 20	MAY 0 1 0 1 2 8 1 0 1 1 0 1 1 4	0 0 0 1 1 0 11 0 0 0 0 12	0 0 0 1 9 1 0 0 1 1 0 0	AUC 0 1 0 1 5 9 1 1 0 18	0 0 0 0 1 8 8 8 1 0 7 17	0 1 0 1 3 12 2 0 2 21	0 2 0 1 1 3 2 0 1 1 10	Ú 0 0 0 13 2 0 0 15	1 0 1 21 5 0 0 0	TD TOTAL 1 1 2 13 2 20 20 20 20 109

POLICE RESPONSE													
2920	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	\$EP	OCT	NOV	DEC	YTD
Chi Prine	761	704	513	270	318	446	Q	0	0	0	0	0	1012
Township Police	1,254	1,151	854	438	548	732	0	0	0	0	0	0	4,977
Total	2,015	1,855	1,207	708	866	1,178	Q	0	9	0	Ó	0	7,989

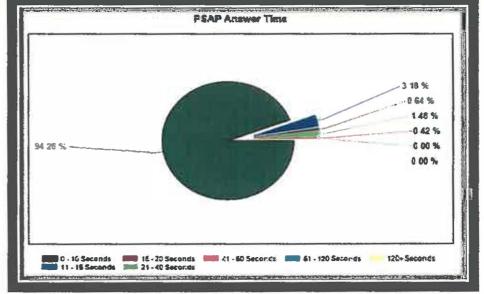
POLICE RESPONSE													
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
City Police	1,017	938	703	018	1,033	1,095	946	767	802	659	797	625	16,484
Township Police	1,255	1,025	1,410	1,085	1,244	1,190	1,209	1,158	1,188	1,206	1,162	1,076	14,209
Total	2,272	1,961	2,118	2,003	2,277	2,275	2,155	1,925	1.897	2,029	1,859	1,781	24,842



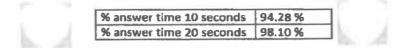


2019 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	- Sa-	OCT	NOV	DEC	110
of 911 Calls	1,286	1,121	1,365	1,134	1,207	1,349	1,405	1,273	1,228	1,256	1,209	1.126	16,028
For Non-Emergency Cells	2,602	2,381	2,319	2,262	2,852	2,732	2,743	2,309	2,340	2,603	2,374	2,388	1.003
Total	3,868	3,502	3,684	3,396	4,059	4,081	4,148	3,582	3,566	3,858	3,663	3,526	44,933

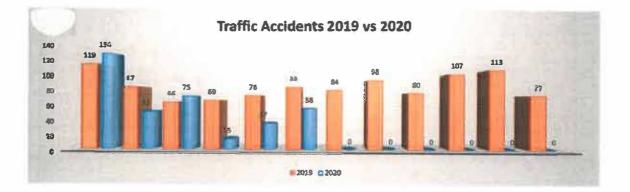
2020 DISPATCH	JAN	FEB	MAR	APR	MAY	JUNE .	JUL	AUG	SEP	OCT	NOV	DEC	TID
# of 911 Cells	1,163	1,027	512	325	362	0	0	0	0	Q	0	0	3,409
ECONSE-EROPERCY Cale	2,310	2,222	2,184	1,896	2,095	0	0	0	0	0	0	0	18.797
Total	3,493	3,249	2,005	2,221	2,457	0	0	0	0	0	0	0	14,118

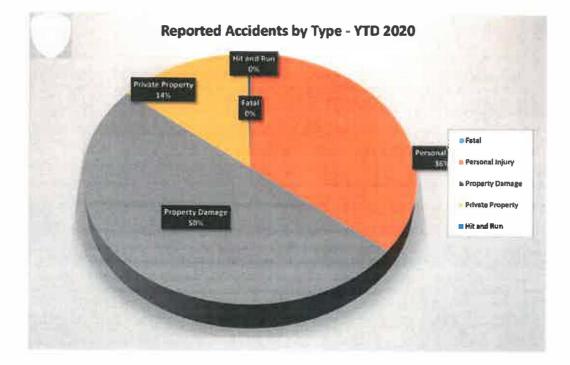


3.1 Standard for answering 9-1-1 Calls. Ninety percent (90%) of all 9-1-1 calls arriving at the Public Safety Answering Point (PSAP) shall be answered within ten (10) seconds during the busy hour (the hour each day with the greatest call volume, as defined in the NENA Master Glossary). Ninety-five (95%) of all 9-1-1 calls should be answered within twenty (20) seconds



		J	RAF	FIC A	CCIL	ENT	SUM	MAR	Y	-	-		
2020	JAN	FES	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	TTO
Fatal	0	0	0	0	0	0	0	0	0	0	0	0	0
Personal Injury	66	12	36	1	6	12	D	0	0	0	0	0	133
Property Demage	56	40	29	9	20	32	0	0	0	0	Q	0	186
Private Property	12	0	10	5	11	14	0	0	0	0	0	0	52
Hit and Run	0	1	0	0	0	0	0_	0	0	0	0	0	1
Total	134	53	75	15	37	58	0	0	0	0	0	0	372
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD
Falal	0	0	0	0	0	0	0	Q	0	0	0	0	0
Personal Injury	14	5	10	11	13	14	14	16	17	12	17	10	153
Property Damage	92	63	47	41	47	59	49	57	49	75	80	61	721
Private Property	13	19	9	17	16	13	21	25	14	19	16	5	187
Hit and Run	0	0	0	D	0	2	0	0	Ð	9	0	4	3
Total	119	87	66	69	76	88	84	98	80	107	113	77	106





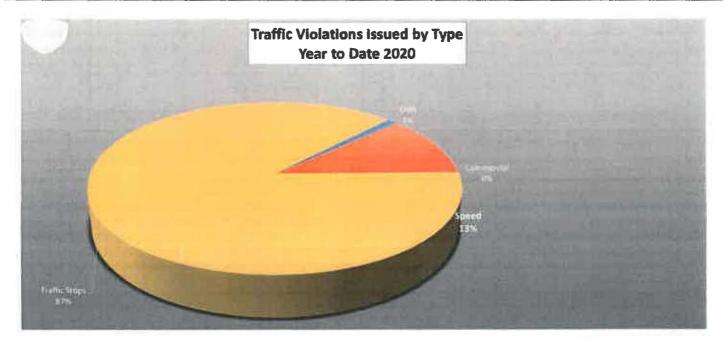
January 1, 2020 through December 31, 2020													
2020	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	6	6	2	0	3	0	0	0	0	0	0	0	17
Speed	59	65	49	1	2	2	0	0	0	0	0	0	178
Commercial	0	1	0	1	0	0	0	0	0	0	0	0	2
Traffic Stops	468	428	283	14	78	84	0	0	0	0	0	0	1,355

#### TRAFFIC VIOLATION SUMMARY

Number of Arrests													
2020	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Feiony	5	12	2	0	3	0	0	0	0	0	Q	0	22
Misdemenor	67	69	48	15	15	14	0	0	0	0	0	0	228
Citations	258	256	152	22	46	51	0	0	0	0	0	0	785
Total	330	337	202	37	64	65	0	0	0	0	0	0	1,035

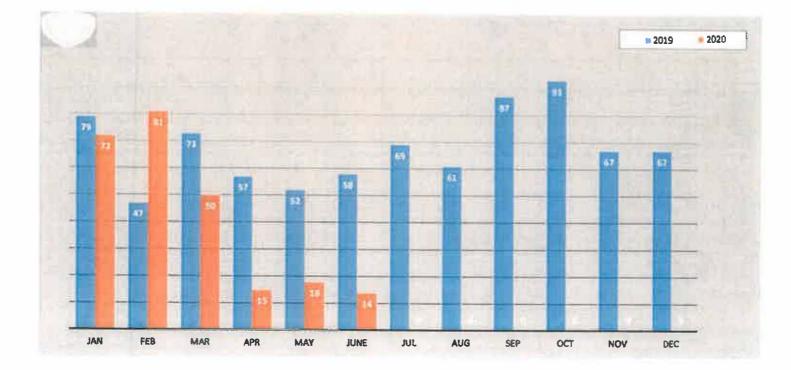
January 1, 2019 through December 31, 2019													
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
OWI	5	1	10	7	7	2	2	9	6	11	8	8	76
Speed	41	40	53	77	79	50	74	49	52	66	49	34	664
Commarcial	8	0	1	0	2	1	0	4	2	3	0	0	21
Traffic Stops	509	384	474	455	454	404	429	405	397	411	292	346	4,960

Number of Arrests									and the second				
2019	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	OCT	NOV	DEC	YTD TOTAL
Felony	14	5	9	3	4	10	10	14	13	12	ō	10	109
Misdemenor	65	42	64	54	48	48	59	47	74	81	62	57	701
Citations	262	192	237	221	230	193	194	222	206	248	222	172	2,500
Total	341	239	310	278	282	251	263	283	293	341	289	239	3,409



NUMBER	OF /	ARRE	ESTS
--------	------	------	------

1.97	JAN	FEB	MAR	APR	MAY	JUNE	JUL	AUG	SEP	ост	NOV	DEC	YTD TOTAL
2020	72	81	50	15	18	.14	0	0	0	0	0	0	250
2019	79	47	73	57	52	58	69	61	87	93	67	67	810



Page 7

#### MCKENNA



## Memorandum

то:	Board of Trustees and Planning Commission Charter Township of Plymouth, Michigan
FROM:	Laura Haw, AICP, NCI Natalie Bond
SUBJECT:	Planning, Zoning, Design and Economic Development Report June, 2020
DATE:	July 2, 2020

McKenna provides day-to-day assistance to the Township, applicants, and public regarding zoning, planning and economic development matters, including on-site office hours every morning and on an as-needed basis. The following is McKenna's monthly report to the Township.

#### PLANNING, ZONING, DESIGN AND ECONOMIC DEVELOPMENT ACTIVITY

As part of our services to the Township, McKenna reviews Planning Commission applications and plans and provides recommendations on long range planning, land use, zoning and design. There are also a number of administrative site plans / projects that McKenna reviews and administers. The following is a summary of current and ongoing site plans, special land uses, rezonings, text amendments and land reconfigurations.

Planning and Zo	oning Active Projects	
PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2262 Plymouth Park & Eats 39411 Schoolcraft	Applicant submitted a revised site plan for Planning Commission consideration at the December 18, 2019 meeting; approved, with conditions.	Final Stamp pending. Need to complete a second, on-site landscape inspection.
#2271 Quick Pass Car Wash	Applicant received, revised, final site plan approval, with conditions, by the Planning Commission.	Applicant in process of acquiring demolition permit, and submitting revised site plans.
Andover Forest Monument Sign	Applicant submitted preliminary signage plan for Administrative Review.	Preliminary signage plan under review.

HEADQUARTERS

235 East Main Street Sui**te** 105 Northville, Michigan 48167 O 248,596.0920 F 248.596.0930 MOKA.COM

Communities for real life.



BBO ISOT	PACKOPOLINIP	
PROJECT #2306 41661 Plymouth Hillside Residences	BACKGROUND Planned Unit Development for 88 residential units; a revised development plan was recommended to the Board of Trustees on January 16, 2019. Pending Township Attorney review, Wayne County permits, and engineering review and all outstanding items must be addressed, prior to further consideration.	STATUS / NEXT STEPS On February 11, 2020 a 6-month extension, with a 3- month progress report was granted by the Board of Trustees. A 3-month progress report has been reviewed by the Planning Commission at the June 17, 2020 meeting. Applicant has submitted a Brownfield Plan for the BOT's consideration at their July 14th meeting.
#2312 Ponds at Andover	Application for seven (7) single-family detached units on 11 acres submitted to the Township. The tentative development plan was approved, with conditions, at the March 18, 2020 Planning Commission meeting.	Final development approval granted at the June 17 Planning Commission meeting. BOT to consider the CHO contract in August.
#2314 15100 Fogg	Tentative site plan approval for new industrial building granted by the Planning Commission on December 12, 2018. A six-month site plan extension request was granted by the Planning Commission at the November 20, 2019 meeting.	Final Stamp pending, awaiting final engineering approval.
#2320 V Tech (Innotech) Business Park	Final site plan approval, with conditions, granted by the Planning Commission for the Business Park on April 17, 2019 for infrastructure and utilities only.	Approval granted for a one-year Site Plan extension at the May 13, 2020 Planning Commission meeting, to expire on April 17, 2021.
#2325 40880 Ann Arbor Burger King Remodel	Tentative site plan approval, with conditions, granted by the Planning Commission at their March 20, 2019 meeting. Final site plan approval, with conditions, granted at the March 18, 2020 Planning Commission meeting.	Administrative review committee to review the revised site plan and signage plan, prior to Final Stamp. Project on hold per applicant's request.
#2332 Boleski Funeral Home	Applicant withdrawn from the April 17, 2019 Planning Commission agenda. Tentative site plan approval, with conditions, granted for the March Planning Commission meeting.	Administrative review committee to review the revised site plan, prior to final site plan consideration; awaiting a revised site plan.
#2340 43939 Plymouth Oaks	Illmore parking lot expansion, administrative review.	Awaiting Wayne County permits; a one-year site plan extension request granted.
#2346 Phoenix Mill	Redevelopment of the former Wayne County Road Yard, adjacent to Hines Park.	Planning Commission to consider Final Site Plan approval at the July 15 meeting.



PROJECT	BACKGROUND	STATUS / NEXT STEPS
#2348 Plymouth	Redevelopment, under a 2016 PUD agreement, for the Henry Ford Health System and	Administrative site plan review in progress, waiting on Wayne County and MDOT permit review.
Marketplace	associated outlot at Haggerty and Ann Arbor Road.	Applicant to submit revised plans for Township review.
		Finalization of the PUD amendment pending.
#2349 General Drive Plymouth Storage	Tentative and final site plan approval for a climate-controlled storage facility and covered RV parking, with conditions, on December 18, 2019.	Final Stamp pending, awaiting engineering approval.
#2351 Suburban Cadillac Remodel	Tentative site plan approval, with conditions, was granted by the Planning Commission at their January 15, 2020 meeting for building façade renovations. Final site plan approval, with conditions, granted at the March 18, 2020 Planning Commission meeting.	Final Stamp pending, awaiting engineering approval.
#2353 Atlas Tube	Administrative site plan for two building additions and landscape improvements.	Final Stamp granted by the Township on June 6, 2020, file to be closed.
#2355 42480 Postiff	Application for two additional professional office space buildings submitted to the Township.	Awaiting revised site plan for review, prior to Final Stamp consideration.
	Tentative and final site plan approval, with conditions, was granted on March 18, 2020.	Conference calls with applicant re: site signage and landscaping.
#2357 Bank of Ann Arbor	Administrative site plan for construction of a transformer.	Review in progress, additional changes needed for Ordinance compliance. Awaiting revised application.
#2358 47334 Joy	Land division request for three resulting lots made; the future lot would be used for additional single-family homes.	Review complete; minimum dimension requirements are not met for the R-1-H District, applicant to resubmit plans.
#2359 Ridge 5 Flex Building	Site plan review for a 66,000 sq.ft. industrial / office building at the SE corner of Ridge and Five Mile Roads.	Tentative site plan approval granted on May 13, 2020. Final site plan consideration scheduled for the August 19,
	· · · · · · · · · · · · · · · · · · ·	2020 Planning Commission meeting
#2361 Margate Residential Subdivision	Application submitted for a Cluster Housing Option at 9295 Canton Center Road.	CHO application under review by the Township, Public Hearing scheduled for the July 15, 2020 Planning Commission meeting agenda.
9075 Haggerty Amazon Facility	Administrative site plan review for an extension to the existing facility at 9075 Haggerty Road, for 2021.	Conference calls with applicant re: pre-development and landscaping.
	101 EVE 1.	Applicant to submit plans in late 2020.



Planning and Zoning Active Projects						
PROJECT	BACKGROUND	STATUS / NEXT STEPS				
46200 N. Territorial CHO	Pre-application request made for a Cluster Housing Option at 46200 N. Territorial.	Application for a CHO submitted. Public Hearing scheduled for the August 19, 2020 Planning Commission meeting agenda.				

#### **RECOMMENDATIONS AND THE NEXT MONTH OUTLOOK**

- Elk's Property. The Elk's property is for sale; we have received several inquiries on the site for redevelopment, including the adjacent 30 acres to the north.
- CSX Improvements. CSX provided an update to the Township regarding the proposed improvements to the overpass on Ann Arbor Road and has requested additional information, including utility and right-of-way details. The Township is in the process of providing additional information to CSX.
- **Master Plan Update.** Phase 1 of the Plymouth Township Master Plan initiated. The Planning Department will provide an update to the Planning Commission at the July 15, 2020 meeting.
- Text Amendments in Progress:
  - o Review of signage standards in the TAR and IND districts.
  - o Review of landscape standards, Article 26 of the Zoning Ordinance.
  - o Review of subdivision gate standards.
- Township initiated rezoning of the Shearer Cemetery to the Public Lands district recommended; a public hearing to be considered at a future Planning Commission meeting. Text amendment consideration for municipal cemeteries to be designated as a permitted land use in the Public Land zoning district.
- Master Deed for Ridge 5 Corporate Park approved by the Board of Trustees—a plan for the public pathway is to be presented and considered within the next 3 months.
- Economic Development Presentation (2019-2020) to be presented at the July 14, 2020 BOT mtg.

If you have any questions on the above planning, zoning and design projects or would like additional information, please contact Laura Haw at Lhaw@mcka.com. Thank you.

## **FOIA Monthly Report**

Run Date: 07/01/2020 8:02 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
6/3/2020	Eastern Michigan University	Professor Alice Jo Rainville	Police Records Other	0.00
6/8/2020	Hemdon & Associates	Jeremy Berard	Fire Report	
6/9/2020	<b>Records Deposition Service</b>	Jerry Lascoe	EMS Report	
6/11/2020	global cnc	tool repair and maintance steve caloia	Fire Report	
6/23/2020	D & B Landscaping	John Bork	Fire Report!	
6/23/2020	Remine	Associate Data Acquisition Analyst Christina Hogue	Other	
<b>6/29/20</b> 20	BuildZoom	Janine Rugas	Building[	
Total Requests: 7				Total Dollars: 0



### **PD FOIA Monthly Report**

Run Date: 07/01/2020 8:02 AM

Create Date	Company Name	Customer Full Name	Type of Information Requested	Amount of Payment
5/1/2020		Sam Milanovich	Police Records	0.00
5/1/2020	Associated Newspapers of MI	Don Howard	Police Records	0.00
/3/2020		Marie Boyce	Police Records	0.00
5/4/2020	Metropolitan Reporting Bureau	Metropolitan Reporting Bureau	Police Records	0.00
6/4/2020	Law Offices of Joseph Lavigne	Joseph Lavigne	Police Records	0.00
/8/2020		Gregg Allgeier	Police Records	0.00
/3/2020	Eastern Michigan University	Professor Alice Jo Rainville	Police Records Other	0.00
6/8/2020	Charter Twp of Plymouth	Records Analyst Diane Leclair	Police Records	
6/8/2020	Barton Montis Law Firm	Barton Morris Law Firm	Police Records	
/8/2020		Ms Rea Lahr	Police Records	0.00
/11/2020		Sam Milanovich	Police Records	0.00
/12/2020		Jacqueline Maxwell	Police Records	0.00
/4/2020		mr max christe	Police Records	11.10
/17/2020		William Richards	Police Records	0.00
/17/2020		Jeanne Hunter	Police Records	0.00
/19/2020		Harry Ackely	Police Records	0.00
/19/2020		Ryan Goocher	Police Records	0.00
/23/2020		Maria Salinas	Police Records	0.00
/22/2020		Joni Bosse	Police Records	3.60
/24/2020		Gregory Dworzanin	Police Records	0.00
/24/2020	Hometownlife.com-USA Today Network	Reporter Susan Vela	Police Records	
/25/2020		Terry West	Police Records	
/24/2020	Stacer, PLC	Andrew Stacer	Police Records	21.00
/24/2020	Rockind Law	Nell Rockind	Police Records	34.10
/29/2020	Keckes, Gadd & Parker	Lawrence Gadd	Police Records	24.96
/29/2020	LexisNexis	LexisNexis	Police Records	0.00
/30/2020	Fox Hills Chrysler Jeep	James Schebil	Police Records	0.00
/30/2020		Banin Al-Mashkur	Police Records	0.00
otal Requests: 28				Total Dollars: 94.76



#### **BOARD DATE**

7/28/2020

			PAYROLL &	
		TOTAL	INVOICES PAID	INVOICES PAID
FUND NAME	FUND NUMBER	INC PAYROLL	PRIOR TO MEETING	AFTER BOARD REVIEW
GENERAL FUND	101	585,604.28	483,056.84	102,547.44
SWD	226	118,076.06	4,137.94	113,938.12
IMPROV. REV.	246	22	*	
DRUG FORFEITURE	265	0	-	
DRUG FORFEITURE	266	-	-	
DRUG FORFEITURE	267		-	
GOLF COURSE FUND	510	-	10	
SENIOR TRANSPORATION	588	4,679.34	4,411.99	267.35
WATER & SEWER	592	307,789.34	274,978.96	32,810.38
TRUST& AGENCY	701	1.1	-	
POLICE BOND FUND	702		-	
TAX POOL	703		a.	
SPECIAL ASSESS CAPITAL	805	469,590.55	¢.	469,590.55
	TOTAL	1,485,739.57	766,585.73	719,153.84

# Charter Township of Plymouth Board Report

VENDOR INFORMATION		INVOICE IN	FURMALIUN	
ADVANCED DISPOSAL			Invoice Amount:	\$821.00
TWP FACILITIES - JUL 2020 FEES			Check Date:	07/28/2020
	101-691-931.000	TWP PARK TRASH/RECYCLE		306.00
	101-336-776.000	FIRE STN 3 TRASH		25.00
	<i>101-691-931.000</i>	LK PNT SOCCER PARK TRASH	1	68.00
	<i>101-265-7<b>7</b>6.000</i>	TWP HALL TRASH/RECYCLE		170.00
	592-172-776.000	DPW. TRASH		68.00
	101-691-931.000	HILL TOP TRASH/RECYCLE		134.00
	101-336-776.000	FIRE STN 2 TRASH		25.00
	101-265-815.000	FRIENDSHIP STATION TRASH	1	25.00
ADVANCED DISPOSAL			Invoice Amount:	\$125.00
TWP PARK FACILITY - YD WASTE FEES	JUL 2020		Check Date:	07/28/2020
	101-691-931.000	TWP PARK YARD WASTE - JU	IL 2020	125.00
ALLIED EAGLE SUPPLY COMPANY, LLC			Invoice Amount:	\$3,999.99
CLOROX T360 ELECTRO SPRAYER ELEC	TDOSTAT		Check Date:	07/28/2020
CLOROX 1300 ELECTRO SPRATER ELEC		CLOROX T360 ELECTRO SPRA		3,999.99
ALLIE BROTHERS UNIFORMS			Invoice Amount:	\$35.00
			Check Date:	•
HAT & LOGO - BUKIS	101-336-758.000	HAT	Check Date:	07/28/2020
	101-336-758.000	LOGO		25.00
	101-330-738.000			10.00
APPLIED CONCEPTS, INC.			Invoice Amount:	\$256.00
INV. 368330 6/22/2020 REMOTE CONT	ROL		Check Date:	07/28/2020
	101-305-851.000	STALKER 2X INSTANT ON RE	MOTE CONTROL	244.00
	101-305-851.000	SHIPPING CHARGES		12.00
Azteca Systems, LLC			Invoice Amount:	\$19,975.00
CITYWORKS MAINTENANCE 9/2020 - 9	/2021		Check Date:	07/28/2020
	592-172-973.010	CITYWORKS MAINTENANCE		19,975.00
B & R JANITORIAL SUPPLY			Invoice Amount:	\$62.64
			Check Date:	07/28/2020
SURFACE DISINFECTING WIPES	101-305-776.000	INVOICE 189865	CHECK Date.	62.64
B & R JANITORIAL SUPPLY			Invoice Amount:	¢46.06
				\$46.06
JANITORIAL SUPPLY WIPES			Check Date:	07/28/2020
	101-265-776.000	INVOICE 189405-9		18.05
	101-265-858.000	INVOICE 189405-9 INVOICE 189405-9		1.00
	101-305-776.000			12.00
	101-325-727.000 101-336-776.000	INVOICE 189405-9 INVOICE 189405-9		7.00 1.00
	592-172-776.000	INVOICE 189405-9 INVOICE 189405-9		7.00
B & R JANITORIAL SUPPLY			Invoice Amount:	¢317.00
				\$217.08
HAND SANITIZER	592-172-776.000	INVOICE 189543	Check Date:	<b>07/28/2020</b> 217.08
D D DANTTORIAL OUDRY			Trucker Arrow t	
B & R JANITORIAL SUPPLY			Invoice Amount:	\$1,484.52
			Check Date:	07/28/2020
JANITORIAL SUPPLY JUNE	101 765 776 000	INVOICE 189811		667.52
JANITORIAL SUPPLY JUNE	101-265-776.000			
JANITORIAL SUPPLY JUNE	101-265-858.000	INVOICE 18911		45.00
JANITORIAL SUPPLY JUNE	101-265-858.000 101 <b>-30</b> 5-776.000	INVOICE 189811		371.00
JANITORIAL SUPPLY JUNE	101-265-858.000			

ENDOR INFORMATION		INVOICE IN	FORMATION	
	592-172-776.000	<i>INVOICE 189811</i>		223.00
B & R JANITORIAL SUPPLY			Invoice Amount:	\$76.44
JÀNITORIAL SUPPLY			Check Date:	07/28/2020
DUATIONINE COLLET	101-265-776.000	INVOICE 189603-2		33.44
	101-265-858.000	INVOICE 189603-2		2.00
	101-305-776.000	INVOICE 189603-2		19.00
	101-325-727.000	INVOICE 189603-2		8.00
	101-336-776.000	INVOICE 189603-2		2.00
	592-172-776.000	INVOICE 189603-2		12.00
B S & A SOFTWARE			Invoice Amount:	\$364.00
QUARTER FOR ONLINE PERMIT APPLICA	ATTONS		Check Date:	07/28/2020
	101-371-818.000	INVOICE 129681		364.00
BIO-CARE INC			Invoice Amount:	\$310.00
MEDICAL EXAM C. SMITH			Check Date:	07/28/2020
	101-336-835.000	MEDICAL EXAM - C. SMITH/H		310.00
BLACKWELL FORD INC.			Invoice Amount:	\$414.10
INV. 365772 7/14/2020 VEHICLE REPAI	D/12807		Check Date:	07/28/2020
111V. 303/72/711/2020 VEHICLE	101-305-863.000	REPLACE 6 SPARK PLUGS/OIL		414.10
BLACKWELL FORD INC.			Invoice Amount:	\$137.80
			Check Date:	07/28/2020
INV. 365701 7/13/2020 VEHICLE REPAI	R/B6842 <i>101-305-863.000</i>	RECHARGE A/C	Check Dale.	137.80
BLACKWELL FORD INC.			Invoice Amount:	\$85.50
INV. 365773 7/13/2020 VEHICLE REPAI	R/A5947		<b>Check Date:</b>	07/28/2020
	101-305-863.000	SHORT IN LIGHTING DEVICE		85.50
BLACKWELL FORD INC.		5	Invoice Amount:	\$948.47
INV. 365626 7/9/2020 VEHICLE REPAIR	/459470		Check Date:	07/28/2020
	101-305-863.000	REPLACE 4 TIRES ON EXPEDI		948.47
BLACKWELL FORD INC.			Invoice Amount:	\$48.00
INV. 3654951 7/6/2020 VEHICLE REPAI	110216		Check Date:	07/28/2020
TINN' 202422 1 10/2020 AFLITCE VELUT	101-305-863.000	BRAKE INSPECTION	UIGUN BALL.	48.00
BLACKWELL FORD INC.			Invoice Amount:	\$51.52
INV. 364871 6/19/2020 VEHICLE REPAI	D/A5947		Check Date:	07/28/2020
	101-305-863.000	THE WORKS OIL CHANGE		51.52
JOHN R BROPHY				
			Invoice Amount:	\$2,495.00
MAYDAY TRAINING CLASSES	101-336-960.000	PLATOON MAYDAY TRAINING	Check Date:	
OCCUPATIONAL HEALTH CENTERS OF M		PLATOON MAYDAY TRAINING	Check Date:	07/28/2020
OCCUPATIONAL HEALTH CENTERS OF M	11	PLATOON MAYDAY TRAINING	Check Date:	07/28/2020 2,495.00 \$51.00
	11	PLATOON MAYDAY TRAINING	Check Date: Jinvoice Amount: Check Date:	<b>07/28/2020</b> 2,495.00
OCCUPATIONAL HEALTH CENTERS OF M	<b>1I</b> IONA NIC <i>101-691-818.000</i>	PLATOON MAYDAY TRAINING	Check Date: Jinvoice Amount: Check Date:	07/28/2020 2,495.00 \$51.00 07/28/2020 51.00
OCCUPATIONAL HEALTH CENTERS OF M PARKS - PREPLACEMENT PHYSICAL - RH OCCUPATIONAL HEALTH CENTERS OF M	1I IONA NIC <i>101-691-818.000</i> 1I	PLATOON MAYDAY TRAINING	Check Date: Invoice Amount: Check Date: WT Invoice Amount:	07/28/2020 2,495.00 \$51.00 07/28/2020 51.00 \$51.00
OCCUPATIONAL HEALTH CENTERS OF M PARKS - PREPLACEMENT PHYSICAL - RH	1I IONA NIC <i>101-691-818.000</i> 1I	PLATOON MAYDAY TRAINING	Check Date: G Invoice Amount: Check Date: WT Invoice Amount: Check Date:	07/28/2020 2,495.00 \$51.00 07/28/2020 51.00 \$51.00
OCCUPATIONAL HEALTH CENTERS OF M PARKS - PREPLACEMENT PHYSICAL - RH OCCUPATIONAL HEALTH CENTERS OF M PARKS - PREPLACEMENT PHYSICAL - RH	4I IONA NIC <i>101-691-818.000</i> 4I IONA NIC	PLATOON MAYDAY TRAINING RHONA NICOL -PREPLACEMEN RHONA NICOL -PREPLACEMEN	Check Date: G Invoice Amount: Check Date: WT Invoice Amount: Check Date: WT	07/28/2020 2,495.00 \$51.00 07/28/2020 51.00 \$51.00 07/28/2020 51.00
OCCUPATIONAL HEALTH CENTERS OF M PARKS - PREPLACEMENT PHYSICAL - RH OCCUPATIONAL HEALTH CENTERS OF M	AI HONA NIC 101-691-818.000 AI HONA NIC 101-691-818.000	PLATOON MAYDAY TRAINING RHONA NICOL -PREPLACEMEN RHONA NICOL -PREPLACEMEN	Check Date: G Invoice Amount: Check Date: WT Invoice Amount: Check Date:	07/28/2020 2,495.00 \$51.00 07/28/2020 51.00 \$51.00 07/28/2020

VENDOR INFORMATION		INVOICE IN	FORMATION	
	101-305-776.000	Mats for pd		225.08
CODE SAVVY CONSULTANTS LLC			Invoice Amount:	\$255.00
SPRINKLER PLAN REVIEW AIDENT CTU	PHASE 4		<b>Check Date:</b>	07/28/2020
	101-371-818.000	INVOICE 1687	÷	255.00
CODE SAVVY CONSULTANTS LLC			Invoice Amount:	\$500.00
PLAN REVIEW FOR FIRE ALARM SYSTEM			<b>Check Date:</b>	07/28/2020
	101-371-818.000	INVOICE 1689 BURROUGHS	BUDG 2	500.00
COMSOURCE, INC.			Invoice Amount:	\$473.30
MOUNTING & DOCKING FOR IPAD			<b>Check Date:</b>	07/28/2020
	101-336-978.001	PKG-DS-APP-142 STAT. & CS	FOR IPAD	282.80
	101-336-978.001	DS-DA-705 PROT CS	$\mathcal{L}^{2}$	70.00
	101-336-978.001	GSM70150 LIGHTING CABLE	5	86.50
	101-336-978.001	SHIPPING		34.00
COMSOURCE, INC.			Invoice Amount:	\$(525.00)
CREDIT FOR INV 507333 (PO 20-79726)	PAID IN		<b>Check Date:</b>	07/28/2020
	101-336-978.000	CR FOR INSTALL OF SECTOR	M HEADSETS - S/B	(525.00)
CORPORATE CLEANING GROUP INC			Invoice Amount:	\$2,329.00
MONTHLY CLEANING			Check Date:	07/28/2020
	101-305-776.000	INVOICE 11667		914.76
	101-336-776.000	INVOICE 11667		83.16
	592-172-776.000	INVOICE 11667		187.11
	101-265-776.000	INVOICE 11667		893.97
	101-315-951.000-20	CLOROX DISINFECTING		250.00
CORPORATE CLEANING GROUP INC			Invoice Amount:	\$405.00
				1
MONTHLY CLEANING			Check Date:	07/28/2020
MONTHLY CLEANING	592-172-776.000	INVOICE 11689	Check Date:	<b>07/28/2020</b> <i>345.00</i>
MONTHLY CLEANING	592-172-776.000 101-265-858.000	INVOICE 11689 INVOICE 11689	Check Date:	07/28/2020
MONTHLY CLEANING CORRIGAN OIL COMPANY			Check Date: Invoice Amount:	<b>07/28/2020</b> <i>345.00</i>
		INVOICE 11689		<b>07/28/2020</b> 345.00 60.00
CORRIGAN OIL COMPANY			Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71
CORRIGAN OIL COMPANY	101-265-858.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee	Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95
CORRIGAN OIL COMPANY	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL	Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10
CORRIGAN OIL COMPANY	101-265-858.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee	Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95
CORRIGAN OIL COMPANY	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL	Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10
<b>CORRIGAN OIL COMPANY</b> #7069462 <b>7/7/</b> 2020	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL	Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT	Invoice Amount: Check Date: #2 MIX Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER #	Invoice Amount: Check Date: #2 MIX Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT	Invoice Amount: Check Date: #2 MIX Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81)
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 S92-291-863.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR DC Dental, Inc.	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-171-818.000	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-171-818.000 101-336-776.000 TEX GLO	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00 \$364.50
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR DC Dental, Inc.	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-336-776.000 TEX GLO 101-315-951.000-20	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00 \$364.50 07/28/2020
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR DC Dental, Inc.	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-336-776.000 TEX GLO 101-315-951.000-20	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT STA# 3 LM TROLLEY MOTOR HIGH RISK - LARGE	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00 \$364.50 07/28/2020 60.75
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR DC Dental, Inc. INV. 676529IN 7/1/2020 ULTRA ONE LA Douglass Safety Systems, LLC	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-336-776.000 TEX GLO 101-315-951.000-20	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT STA# 3 LM TROLLEY MOTOR HIGH RISK - LARGE	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00 \$364.50 07/28/2020 60.75 303.75 \$65.12
CORRIGAN OIL COMPANY #7069462 7/7/2020 Corporate Benefit Solutions, LLC JULY 2020 MONTHLY PREMIUM FOR BEN CRAWFORD DOOR SALES STA#3 DOOR TROLLEY MOTOR DC Dental, Inc. INV. 676529IN 7/1/2020 ULTRA ONE LA	101-265-858.000 592-291-863.000 592-291-863.000 592-291-863.000 592-291-863.000 NEXPRES 101-171-818.000 101-336-776.000 TEX GLO 101-315-951.000-20	INVOICE 11689 Fuel Tax Recap Environmental Fee GE87 GAS-ETHANOL DYED ULTRA LOW SULFER # BENEXPRESS ENROLLMENT UNUM BENX CREDIT STA# 3 LM TROLLEY MOTOR HIGH RISK - LARGE	Invoice Amount: Check Date: #2 MIX Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	07/28/2020 345.00 60.00 \$1,843.71 07/28/2020 13.70 6.95 769.10 1,053.96 \$280.19 07/28/2020 400.00 (119.81) \$1,375.00 07/28/2020 1,375.00 \$364.50 07/28/2020 60.75 303.75

VENDOR INFORMATION

#### INVOICE INFORMATION

MICH MUN RISK MGT AUTHORITY ECP			Invoice Amount:	\$14,309.63
ELECTRIC CHOICE - JUNE 2020			Check Date:	07/28/2020
	101-336-921.000	Electric Choice		2,143.46
	592-172-921.000	Electric Choice		1,313.06
	101-171-921.000 101-201-921.000	Electric Choice Electric Choice		953.05 509.96
	101-201-921.000 101-209-921.000	Electric Choice		272.81
	101-209-921.000	Electric Choice		828.24
	101-213-921.000	Electric Choice		020.24 345.92
	101-235-921.000 101-305-921.000	Electric Choice		2,737.02
	101-305-921.000	Electric Choice		569.69
	101-325-921.400	Electric Choice		569.69
	101-336-921.000	Electric Choice		402.98
	101-371-921.000	Electric Choice		600.01
	101-371-921.500	Electric Choice		336.11
	<i>592-172-921.000</i>	Electric Choice		789.90
	592-172-921.000	Electric Choice		277.62
	101-336-921.000	Electric Choice		1,027.51
	101-691-921.000	Electric Choice		386.54
	101-265-921.000	Electric Choice		231.30
	588-588-921.000	Electric Choice		14.76
DIAMOND PROCLEAN, LLC			Invoice Amount:	\$1,775.00
SUMMER WINDOW CLEANING			Check Date:	07/28/2020
SOMMER WINDOW CLEANING	101-265-776.000	INVOICE 22899		1,775.00
DON'S SMALL ENGINE REPAIR, INC			Invoice Amount:	\$19.76
EQUIPT PARTS			Check Date:	07/28/2020
	101-336-851.000	FILTER COMB		14.76
	101-336-851.000	OIL CAP	1.80	5.00
<b>EHLERS HEATING &amp; AIR CONDITIONIN</b>	G		Invoice Amount:	\$352.50
STA# 3 RETURN VISIT FOR AC REPAIR			Check Date:	07/28/2020
	101-336-776.000	STA# 3 RETURN VISIT AC R		352.50
EHLERS HEATING & AIR CONDITIONIN	G		Invoice Amount:	\$445.64
STA#1 AC REPAIRS			Check Date:	07/28/2020
	101-336-776.000	AC REPAIRS		445.64
EHLERS HEATING & AIR CONDITIONIN	G		Invoice Amount:	\$1,495.80
STA#3 REPAIR AC			Check Date:	07/28/2020
	101-336-776.000	STA# 3 REPAIR AC	$0 = -\frac{1}{(1-1)}$ (6) (6)	1,495.80
FEDEX			Invoice Amount:	\$31.78
ELECTION PROGRAMMING			Check Date:	07/28/2020
	101-262-727.000	ELECTION PROGRAMMING		31.78
FELL, CYNTHIA			Invoice Amount:	\$43.13
REIMBURSEMENT FOR PPE REQUIRED F	OR COVI		Check Date:	07/28/2020
		SPRAY BOTTLES FOR SANT		17.73
		HAND SANITIZER/CVS	a da an a	25.40
GOVT FINANCE OFFICERS ASSN			Invoice Amount:	\$225.00
GOVT FINANCE OFFICERS ASSN MEMBE	RSHIP F		Check Date:	07/28/2020

VENDOR INFORMATION		INVOICE II	FORMATION	
GFL Environmental USA, Inc.			Invoice Amount:	\$103,923.12
JUNE 2020 - RESIDENTIAL COLLECTION	I FEE 226-226-810.000 226-226-810.000 226-226-810.000	JUN 2020 TRASH JUN 2020 RECYCLING JUN 2020 YARD WASTE	Check Date:	<b>07/28/2020</b> 67,161.20 18,734.44 18,027,48
GFL Environmental USA, Inc. JUN 2020 RESIDENTAL YARD WASTE DI	SPOSAL 226-226-810.000	355.28 TONS @ 25.00/TON	Invoice Amount: Check Date: - JUN 2020	\$8,882.00 07/28/2020 8,882.00
GARRETT AUTO AND TRUCK SVC #42771 OIL CHANGE ROUTINE MAINT.	ON #406 <i>592-291-863,000</i>	All repairs, parts, labor	Invoice Amount: Check Date:	<b>\$398.61</b> <b>07/28/2020</b> <i>398.61</i>
Great Lakes Ace Hardware FASTNERS AND TOOLS FOR #2	101-336-776.000 101-336-776.000 101-336-776.000 101-336-776.000 101-336-776.000 101-336-776.000	CONCRETE PATCH PUTTY KNIFE DRILL BIT HANDSHOWER ANGLE BRUSH FASTNERS	Invoice Amount: Check Date:	<b>\$81.61</b> 07/28/2020 9.11 9.49 6.26 42.74 9.49 4.52
<b>Great Lakes Ace Hardware</b> ROPES	101-336-836.000	ROPE	Invoice Amount: Check Date:	<b>\$49.55</b> 07/28/2020 <i>49.55</i>
Great Lakes Ace Hardware FABRICATION OF MOUNTS ON VEHICLE	S <i>101-336-863.000</i>	MOUNTS FOR VEHICLES	Invoice Amount: Check Date:	<b>\$21.84</b> <b>07/28/2020</b> <i>21.84</i>
<b>Great Lakes Ace Hardware</b> HOSE, TUBING, COOLER	101-336-863.000 101-336-863.000 101-336-836.000	HOSE TUBING COOLER	Invoice Amount: Check Date:	<b>\$30.18</b> <b>07/28/2020</b> <i>1.70</i> <i>1.89</i> <i>26.59</i>
GreatAmerica Financial Services STANDARD PAYMENT & SUPPLY FREIGH	IT FEE (S 101-215-978.500 101-215-978.500	STD PMT FREIGHT	Invoice Amount: Check Date:	<b>\$448.19</b> <b>07/28/2020</b> <i>442.89</i> <i>5.30</i>
Guinn, Adam REIMB FOR PARAMEDIC LICENSE RENE	WAL GUI <i>101-336-960.000</i>	PARA LIC RENEW REIMB FC	Invoice Amount: Check Date: DR A. GUINN	<b>\$25.00</b> <b>07/28/2020</b> <i>25.00</i>
HALT FIRE INC E32908 ENGINE REPAIRS	101-336-863.000	E32908 REPAIRS AND COM	Invoice Amount: Check Date: PARTMENT SETUPS	<b>\$3,981.20</b> <b>07/28/2020</b> <i>3,981.20</i>
HALT FIRE INC E32908 REPLENISHED ALL FLUIDS	101-336-863.000	E32908 REPLACED ALL FLUI	Invoice Amount: Check Date:	<b>\$1,585.26</b> <b>07/28/2020</b> 1,585.26
HALT FIRE INC ENG 11526 - WIRING AFFIXED	101-336-863.000	ENG 11526 WIRING	Invoice Amount: Check Date:	<b>\$247.50</b> <b>07/28/2020</b> <i>247.50</i>

VENDOR INFORMATION		INVOICE INFORMATION	
HALT FIRE INC VEH 23443 LOW AIR PSI -REPAIRED	101-336-863.000	Invoice Amount: Check Date: 23443 REPAIRED LOW AIR - PSI	<b>\$655.61</b> <b>07/28/2020</b> <i>655.61</i>
HASTINGS AIR-ENERGY CONTROL STA # 3PLYMOVENT SYSTEM MIANT	101-336-851.000	Invoice Amount: Check Date: MAINT TO PLYMOVENT SYSTEM	\$2,650.84 07/28/2020 2,650.84
HASTINGS AIR-ENERGY CONTROL STA#2 REPAIR OF AIR SYSTEM	101-336-851.000	Invoice Amount: Check Date: STA# 2 REPAIR OF AIR SYSTEM	<b>\$990.22</b> <b>07/28/2020</b> <i>990.22</i>
HUBBELL, ROTH, & CLARK, INC. NORTHVILLE RD REHAB DESIGN ENG	592-291-970.000-20	Invoice Amount: Check Date: NORTHVILLE RD REHAB DESIGN ENG	<b>\$1,071.26</b> <b>07/28/2020</b> <i>1,071.26</i>
HUBBELL, ROTH, & CLARK, INC. WATER SYSTEM STUDY PLAN	592-172-820.000	Invoice Amount: Check Date: WATER SYSTEM STUDY PLAN	<b>\$60.76</b> <b>07/28/2020</b> <i>60.76</i>
Huron Valley Guns, LLC PICKERT SHIRT & HAT	101-336-758.000 101-336-758.000	Invoice Amount: Check Date: HAT	<b>\$40.00</b> <b>07/28/2020</b> <i>25.00</i> <i>15.00</i>
RICOH USA, INC. RICOH SERVICE AGREEMENT 3RD Q 202	20 <i>592-172-818.000</i> <i>101-253-818.000</i>	Invoice Amount: Check Date: RICOH 04/01/20 TO 06/30/20 RICOH 04/01/20 TO 06/30/20	<b>\$376.08</b> <b>07/28/2020</b> <i>289.89</i> <i>86.19</i>
<b>IPS Drug Testing, LLC</b> PRE EMPLOY DRUG TEST - CAMERON BU	UMP - IN <i>101-691<b>-</b>818.000</i>	Invoice Amount: Check Date: PRE EMPLOY DRYG TEST - BUMP	\$40.00 07/28/2020 40.00
IRON MOUNTAIN OFFSITE STORAGE - JULY 2020	101-215-818.000	Invoice Amount: Check Date: OFFSITE STORAGE - JULY 2020	<b>\$248.36</b> 07/28/2020 248.36
J & B MEDICAL SUPPLY INC MEDICL SUPPLIES	101-336-836.000 101-336-836.000	Invoice Amount: Check Date: FCI810-4286201-003 GD50 BLOOD GLUCOSE T BEM484410 BEMIS HI-FLOW SUCTION CANIST	\$318.12 07/28/2020 165.00 153.12
J & B MEDICAL SUPPLY INC MEDICAL SUPPLIES	101-336-836.000 101-336-836.000	Invoice Amount: Check Date: COV7196D COVIDIEN CURITY ABDOMINAL PA OWMAT1002 OWEN MUMFORD UNI	<b>\$106.02</b> <b>07/28/2020</b> <i>60.12</i> <i>45.90</i>
KNIGHT TECHNOLOGY GROUP, INC. TECH SUPPORT - NETWORK SUPPORT -	INVOICE <i>101-290-941.000</i>	Invoice Amount: Check Date: TECH SUPPORT - NETWORK SUPPORT	\$392.50 07/28/2020 <i>392.50</i>
KONICA MINOLTA BUSINESS SOLUTION PRINTER USSAGE FEE	NS 101-371-727.000	Invoice Amount: Check Date: INVOICE 9006910566	<b>\$100.65</b> <b>07/28/2020</b> <i>100.65</i>

101-336-959.000       JUNE MONTHLY BILLING FEE         MAPLES ENVIRONMENTAL PEST CONTROL       Invoice Amount: Check Date: 101-336-776.000         ENVIRONMENTAL PEST CONTROL       101-336-776.000         101-336-776.000       TOWNSHIP FIRE DEPT 6/13 STATION 2 AND 3         MARK ANTHONY CONTRACTING, INC.       Invoice Amount: 805-805-970.350         GENERAL DRIVE SAD - PAY APPLICATION #1 805-805-970.350       GENERAL DRIVE SAD - PAY APPLICATION #1 409,         MARK'S OUTDOOR POWER EQUIPMENT       Invoice Amount:	07/28/2020 396.00 \$310.00 07/28/2020 310.00 \$409,506.05 07/28/2020 0,506.05
ENVIRONMENTAL PEST CONTROL       Check Date: 101-336-776.000       Check Date: TOWNSHIP FIRE DEPT 6/13 STATION 2 AND 3         MARK ANTHONY CONTRACTING, INC.       Invoice Amount: 805-805-970.350       Check Date: GENERAL DRIVE SAD - PAY APPLICATION #1       409, 409, 409,         MARK'S OUTDOOR POWER EQUIPMENT REPLACE BRAKE SAFETY SWITCH ON ZMOWER #       Invoice Amount: Check Date:	07/28/2020 310.00 \$409,506.05 07/28/2020 0,506.05
101-336-776.000       TOWNSHIP FIRE DEPT 6/13 STATION 2 AND 3         MARK ANTHONY CONTRACTING, INC.       Invoice Amount:         GENERAL DRIVE SAD - PAY APPLICATION #1       Check Date:         805-805-970.350       GENERAL DRIVE SAD - PAY APPLICATION #1       409,         MARK'S OUTDOOR POWER EQUIPMENT       Invoice Amount:       409,         REPLACE BRAKE SAFETY SWITCH ON ZMOWER #       Check Date:       409,	07/28/2020 310.00 \$409,506.05 07/28/2020 0,506.05
GENERAL DRIVE SAD - PAY APPLICATION #1       Check Date:         805-805-970.350       GENERAL DRIVE SAD - PAY APPLICATION #1       409,         MARK'S OUTDOOR POWER EQUIPMENT       Invoice Amount:       409,         REPLACE BRAKE SAFETY SWITCH ON ZMOWER #       Check Date:       Check Date:	<b>07/28/2020</b> 9,506.05
BODE-ROLE DIGITE DI DIGITE DIGITE DIGITE DIGITE DIGITE DIGITE DIGITE DIGITE DIGITE	9,506.05
REPLACE BRAKE SAFETY SWITCH ON ZMOWER # Check Date:	÷0.00
	\$9.89
	<b>07/28/2020</b> 9.89
MCKENNA ASSOCIATES INC Invoice Amount:	\$5,336.25
101-371-818.500       SR.PRINCIPAL PLANNER (PREP & ATTEND)       1,         101-371-818.500       2360 - BROWNFIELD PLAN, HILLSIDE RESIDEN       1,         101-371-818.500       2361 - MARGATE REVIEW       1,         101-371-818.500       LANDSCAPE REVIEWS - DETAILS ATTACHED       1,	07/28/2020 581.25 930.00 5,250.00 5,400.00 175.00
MCKENNA ASSOCIATES INC Invoice Amount:	\$6,349.00
101-371-818.500 14 - 1/2 DAY ON-SITE SERVICES 5.	<b>07/28/2020</b> 5,320.00 1,029.00
MCKENNA ASSOCIATES INC Invoice Amount:	\$2,035.00
	<b>07/28/2020</b> 2,035.00
MERCHANTS & MEDICAL CREDIT CORP, IN Invoice Amount:	\$216.23
	<b>07/28/202</b> 216.23
ELECTION SOURCE Invoice Amount:	\$957.49
IM-MODEM CELL GO, POLLWORKERS CARDS. TH       Check Date:         101-262-727.000       IM-MODEM CELL GO         101-262-727.000       POLL WORKER CARDS         101-262-727.000       THERMAL PAPER ROLLS (100 CT)         101-262-727.000       FREIGHT	<b>07/28/2020</b> 590.00 50.00 300.00 17.49
ELECTION SOURCE Invoice Amount:	\$108.42
IM BUTTON ADAPTOR (USB ADAPTOR) X 2     Check Date:       101-262-727.000     IM BUTTON ADAPTORS       101-262-727.000     SHIPPING	<b>07/28/202</b> 100.00 8.42
MICHIGAN AIR SOLUTIONS, LLC Invoice Amount:	\$538.50
AIR COMP MAINT 101-336-851.000 STA#2 AIR COMP MAINT	<b>07/28/202</b> 538.50
MICHIGAN FIRE TRAINING CONSULTANTS Invoice Amount:	\$1,050.00
PLATOON AERIAL TRAINING OPERATIONS Check Date:	<b>07/28/202</b>

VENDOR INFORMATION		INVOICE J	INFORMATION	
Ferguson Waterworks			Invoice Amount:	\$48.74
METER PARTS			Check Date:	07/28/2020
	592-172-780.000	3/4 LEAT METER WASHERS		40.00
	592-172-780.000	DELIVERY		8.74
MICHIGAN LINEN SERVICE			Invoice Amount:	\$84.35
UNIFORMS 7/10/20 #428559			<b>Check Date:</b>	07/28/2020
	592-172-758.000	7/10/20		84.35
MOBILE COMMUNICATION SERVICES	INC		Invoice Amount:	\$5,314.35
INV. 106976 6/23/2020 RADIO WORK	DURING R		Check Date:	07/28/2020
	101-325-818.000	FLAT RATE INSTALLATION		5,314.35
MOBILE COMMUNICATION SERVICES	INC		Invoice Amount:	\$2,699.41
INV. 107031 6/30/2020 NEW HARDWA			Check Date:	07/28/2020
	101-325-851.000	WORK ON DISPATCH CONS	SOLE & RECORDING	2,699.41
SF MOBILE-VISION, INC.			Invoice Amount:	\$145.00
INV. 32247 5 6/26/2020 SDHC MEMOR	₹Y CARD F		Check Date:	07/28/2020
	<i>101<b>-3</b>05-851.000</i>	MVD-FB3-32GBSD		130.00
	101-305-851.000	Shipping		15.00
GIARMARCO, MULLINS & HORTON, PO	С.		Invoice Amount:	\$1,903.00
LABOR ATTY. SERVICES (JOHN C. CLA			Check Date:	07/28/2020
	101-290-828.000	LABOR ATTY SERVICES (JC	DHN CLARK) #22	1,903.00
NORTHERN CONTROLS GROUP, INC			Invoice Amount:	\$222.20
CONTROL SYSTEM SERVICE - PLYMOU	JTH TWP#2		Check Date:	07/28/2020
	592-172 <b>-</b> 973.010	PLYMOUTH TWP CONTROL	SYSTEM SERVICE	222.20
NORTHERN LAKE SERVICE, INC.			Invoice Amount:	\$488.70
DW SAMPLES RECIEVED ON 6/24/20.	TAKEN ON		<b>Check Date:</b>	07/28/2020
	592-172-818.100	CYANOTOXINS-EPA METHO		355.50
	592-172-818.100	MICROCYSTINS-EPA METH	IOD 546	133.20
NORTHERN LAKE SERVICE, INC.			<b>Invoice Amount:</b>	\$488.70
DW SAMPLES RECIEVED ON 6/12/20.	TAKEN ON		Check Date:	07/28/2020
	<i>592-172-818.100</i>	CYANOTOXINS-EPA METHO		355.50
	592-172-818.100	MICROCYSTINS-EPA METH	IOD 546	133.20
OFFICE DEPOT			Invoice Amount:	\$160.42
INV. 1006011074001 6/29/2020 COMM			Check Date:	07/28/2020
	101-325-727.000	80A HP TONER		85.65
	101-325-727.000	POLY FILE FOLDER		9,99
	101-325-727.000 101-325-727.000	PUSH PINS IMPORT CHARGE		2.56
	101-325-727.000	BINDER		0.08 5.69
	101-325-727.000	505A HP TONER		56.45
OFFICE DEPOT			Invoice Amount:	\$94.22
			Check Date:	<del>94</del> ,22 07/28/2020
OFFICE SUPPLIES	101-371-727.000	LIST ID 5155101	Clicck Date.	94.22
OFFICE DEPOT			Invoice Amount:	¢=70.72
			Check Date:	\$528.23
COPY PAPER, POST-IT TABS, CONSTR	PAPER, PE 101-215-727.000	POST-IT TABS	Check Date,	<b>07/28/2020</b> 21.98
	101-215-727.000	BLUE GEL PENS (12 CT)		21.98 11.66
	Ave new	Show one i have the city		12100

	101-215-727.000	POST-IT NOTES (12 PK)	8.71
	101-215-727.000	COPY PAPER	485.88
OFFICE DEPOT		Invoice Amount:	\$1.30
COPY PAPER, POST-IT TABS, CONSTR P	APER PE	Check Date:	07/28/2020
	101-215-727.000	BLUE CONSTR PAPER	1.30
OFFICE DEPOT		Invoice Amount:	\$178.29
Office Supplies		Check Date:	07/28/2020
	101-253-727.000	HP 10A Toner Cartridges	152.91
	101-253-727.000	SIZE 33 RUBBER BANDS	5.76
	101-253-727.000	SIZE 19 RUBBER BANDS	5.76
	101-253-727.000	ADDING MACHINE ROLLED PAPER	13.86
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$25,975.50
LITCHFIELD DRIVE- SAD		Check Date:	07/28/2020
	805-805-970.310	LITCHFIELD DRIVE- SAD	25,975.50
ORCHARD, HILTZ, & MCCLIMENT, INC.		Invoice Amount:	\$34,109.00
GENERAL DRIVE SAD		Check Date:	07/28/2020
	805-805-970,350	GENERAL DRIVE SAD	34,109.00
PELTZ SODDING		Invoice Amount:	\$295.40
SOD FOR WATER MAIN BREAK RESTOR	ATTON 7/	Check Date:	07/28/2020
SOD FOR WATER HAIR DREAR RESTOR	592-291-932.000	6/29/20 191540	85.40
	592-291-932.000	6/30/20 191573	148.50
	592-291-932.000	PALLETS WITH DEPOSIT	20.00
	592-291-932.000	6/30/20 191582	40.50
PLYMOUTH RUBBER & TRANSMISSION		Invoice Amount:	\$358.83
LICCE DEEL TTOE THE ATOD			
HUSE REEL, TIRE INFLATOR		Check Date:	07/28/2020
HOSE REEL, TIRE INFLATOR	101-336-978.001	HOSE REEL Check Date:	<b>07/28/2020</b> 298.85
HUSE KEEL, TIKE INFLATOR	101-336-978.001 101-336-979.000		· · · · · · · · · · · · · · · · · · ·
HOSE REEL, TIRE INFLATOR		HOSE REEL	298.85
CHARTER TWSP OF PLYMOUTH	101-336-979.000	HOSE REEL TIRE INFLATOR	298.85 59.98
CHARTER TWSP OF PLYMOUTH	101-336-979.000	HOSE REEL TIRE INFLATOR Invoice Amount:	298.85 59.98 <b>\$6,226.36</b>
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date:	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b>
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-305-958.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-MACP-ANNUAL DUES FOR TIDERIGT	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 135.00
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-315-951.000-20	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-MACP-ANNUAL DUES FOR TIDERIGT GORDON - GREAK LKS ACE-SPRAY BOT - COVI	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863,000 101-315-951.000-20 101-315-951.000-20 101-315-951.000-20 101-336-960,000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING '	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-315-951.000-20 101-336-960.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING` GROSS-HD-TABLE SAW	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-950.000 101-336-960.000 101-336-979.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING ` GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-315-951.000-20 101-336-960.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING ' GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-776.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING ` GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-325-851.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-950.000 101-336-960.000 101-336-979.000 101-336-776.000 101-336-960.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-WACP-ANNUAL DUES FOR TIDERIGT GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING` GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW GROSS-HD-ELECTRIC SPLITTER GROSS-HD-BATH VANITY FOR STATION 2 GROSS-HD-LUMBER (FOR TRAINING)	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-325-851.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-960.000 101-336-960.000 101-336-960.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW GROSS-HD-BATH VANITY FOR STATION 2 GROSS-HD-BATH VANITY FOR STATION 2 GROSS-HD-LUMBER (FOR TRAINING) HAACK-HD-LOCK & KEYS FOR ELECTIONS	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75 26.42
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-325-851.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-976.000 101-362-720.000 101-305-776.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW GROSS-HD-ELECTRIC SPLITTER GROSS-HD-ELECTRIC SPLITTER GROSS-HD-ELECTRIC SPLITTER GROSS-HD-LUMBER (FOR TRAINING) HAACK-HD-LOCK & KEYS FOR ELECTIONS HAACK-SAMS-PD SUPPLIES	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75 26.42 85.86
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-325-851.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-976.000 101-262-720.000 101-305-776.000 101-265-776.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-GREAK LKS ACE-SPRAY BOT - COVI GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TABLE SAW GROSS-HD-ELECTRIC SPLITTER GROSS-HD-BATH VANITY FOR STATION 2 GROSS-HD-LUMBER (FOR TRAINING) HAACK-SAMS-PD SUPPLIES HAACK-SAMES-SUPPLIES FOR TWSP GROUNDS	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75 26.42 85.86 69.50
CHARTER TWSP OF PLYMOUTH	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-9776.000 101-265-776.000 101-265-776.000 101-265-776.000 101-265-776.000 101-265-776.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TABLE SAW GROSS-HD-ELECTRIC SPLITTER GROSS-HD-LUMBER (FOR TRAINING) HAACK-SAMS-PD SUPPLIES HAACK-SAMS-PD SUPPLIES HAACK-SAMS-PD-PAPER TOWELS HAACK-SAMS-SENIOR CENTER SUPPLIES HAACK-SAMS-SANITIZERS FOR TWSP GROUNDS	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75 26.42 85.86 69.50 16.98
	101-336-979.000 CARDS - J 101-305-960.000 101-325-851.000 101-691-931.000 592-172-758.000 101-336-863.000 101-315-951.000-20 101-315-951.000-20 101-336-960.000 101-336-960.000 101-336-979.000 101-336-9776.000 101-265-776.000 101-265-776.000 101-265-776.000 101-265-776.000 101-265-776.000	HOSE REEL TIRE INFLATOR Invoice Amount: Check Date: BROTHERS-DUNHAMS-GUN CLEANING SUPPLI BROTHERS-HD-MICROWAVE - DISPATCH ANDERSON-ROAD TRAFFIC SIGNS-MILLER PAR FELLRATH-RED WING SHOES-DPW FIELD SHO FOX-HD-CORDLESS GRINDER AND MISC ITEMS FOX-AUTOANYTHING-SEAT COVERS - COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON-CVS-HAND SANITZER COVID GORDON - GREAK LKS ACE-SPRAY BOT - COVI GORDON - GREAK LKS ACE-SPRAY BOT - COVI GROSS-HD-TARP FOR MAYDAY TRAINING GROSS-HD-TABLE SAW GROSS-HD-TABLE SAW GROSS-HD-BATH VANITY FOR STATION 2 GROSS-HD-LUMBER (FOR TRAINING) HAACK-HD-LOCK & KEYS FOR ELECTIONS HAACK-SAMS-PD SUPPLIES HAACK-SAMS-PD-PAPER TOWELS HAACK-SAMS-SENIOR CENTER SUPPLIES	298.85 59.98 <b>\$6,226.36</b> <b>07/28/2020</b> 80.07 167.48 208.37 131.74 298.72 423.98 13.96 115.00 19.05 19.93 279.00 26.91 462.27 103.75 26.42 85.86 69.50 16.98 158.08

VENDOR INFORMATION		INVOICE	INFORMATION	
	592-443-937.000	HAMANN-HD-VARIOUS SU	IPPLIES	225.91
	592-172-776.000	HAMANN-HD-TOILET FLAN	20 0	56.01
	592-443-937.000	HAMANN-HD-SUPPLIES FO		67.29
	101-315-951.000-20	HAMANN-AMAZON- 2 NO T	TOUCH THERM, COVI	182.30
	592-291-776.000	HAMANN-MAGENTO-REG.	VALVES FOR SOCCE	106.70
	592-291-935.000	HAMANN-HD-CONCRETE S	SUPPLIES/TOOLS	154.46
	592-291-851.000	HAMANN-HD-PLATE COMP	1. ·	761.75
	<i>592-291-935.000</i>	HAMANN-HD-PLASTIC SHE	EETING	54.98
	101-955-885.000	HEISE-CONSTANT CONTAC	CT MONTHLY FEE	70.00
	592-172-776.000	HAMANN-SPRINKLER WAR	EHOUSE-SOLEWOID	544.86
	101-315-951.000-20	JANKS-ZOOM SUBSCRIPTI	ON - COVID	164.29
	101 <b>-3</b> 15 <b>-95</b> 1.000-20	JANKS-OPENVOICE AUDIO	CONFERENCE SUBS.	3.45
	101-371-727.000	LEWIS-AMAZON-PRINTER		37.09
	<i>101-265-776.000</i>	LEWIS-COLLECTION MAIL	BOXES	1,163.45
	101-336-979.000	MACK-HD-4 TAPE MEASUR		59.88
	101-336-863.000	PHILLIPS-BETP-VEHICLE L		250.00
	101-336-776.000	MACK-HD-DRYWALL AND L	UTILITY BLADES	104.71
	592-291-776.000	HAMANN - MISC CREDIT	50 1 <sup>7</sup> 1	(603.14)
	101-305-776.000	GORDON - MISC CREDIT		(60.40)
	592-291-935.000	HAMANN - HD-CONCRETER	r Work	58.28
	101-305-960.000	GORDON-AMAZON	1	60.40
The Pond Place of Michigan, LLC			<b>Invoice Amount:</b>	\$6,557.49
PUMP FOR PARK POND - AIRMAX 150	) STAIN COR		Check Date:	07/28/2020
	101-691-931.000	Airmax 150' Pond Pump		6,332.49
	<i>101-691<b>-</b>931.000</i>	Labor		225.00
AIRGAS USA, LLC			Invoice Amount:	\$371,17
OXYGEN TANK RENTAL			Check Date:	07/28/2020
UNIGEN LAINN REINTAL	101-336-836.000	MED-LG		291.72
	101-336-836.000	MED XS		39.60
	101-336-836.000	HAZMAT		39.85
RED WING SHOES			Invoice Amount:	\$1,211.95
SAFETY FOOTWEAR #2020071003048	01 7/10/202		Check Date:	07/28/2020
SALETT LOOTMEAK #20200/10020-0	51 7/10/202 592-172-758.000	JIM THOMAS		166.49
	592-172-758.000	JAMES BARTLETT		185.00
	592-172-758.000 592-172-758.000	ZAK PUMPHREY		185.00
	592-172-758.000	RANDY KRUEGER		144.49
	592-172-758.000	SPENCER KITCHEN		170.99
	592-172-758.000	JOE OVERAITIS		179.99
	592-172-758.000	DAVID NELSON		179.99 179.99
RED WING SHOES			Invoice Amount:	\$161.99
				•
WORK SHOES	101-371-958.000	INVOICE 504-54034	Check Date:	<b>07/28/2020</b> 161.99
RELIABLE LANDSCAPING INC.				
			Invoice Amount:	\$125.00
WEED ORDINANCE CUTTING			Check Date:	07/28/2020
	101-265-776.000	EN20-0049		125.00
RITTER GIS			Invoice Amount:	\$1,000.00
CITYWORKS SERVICES JUNE 2020			Check Date:	07/28/2020
	592-172-820.000-20	CITYWORKS SERVICES		1,000.00
SCHOOLCRAFT COLLEGE			Invoice Amount:	\$50.00
INV. 00001462 - SPONSOR #0544339	6 61201202		Check Date:	07/28/2020
	101-305-960.000	OFFICER JASON HAYES		50.00
	101 B00 2001000	UTICER DIDOTTINGED		50.00

VENDOR INFORMATION	INVOICE INFORMATION			
SEHI COMPUTER PRODUCTS HP 80X 2 PK HIGH YIELD BLACK ORIGINAL TONE 588-588-727.000 226-226-727.000	HP 80X TONER 2 PK FREIGHT	Invoice Amount: Check Date:	<b>\$258.59</b> <b>07/28/2020</b> <i>252.59</i> 6.00	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4, PRUNING, DED 101-265-776.000	INVOICE 52633	Invoice Amount: Check Date:	<b>\$1,682.50</b> <b>07/28/2020</b> 1,682.50	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 FRIENDSHIP STA 101-265-858.000	INVOICE 52735	Invoice Amount: Check Date:	<b>\$50.00</b> <b>07/28/2020</b> <i>50.00</i>	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 DPW BUILDING 592-172-776.000	INVOICE 52737	Invoice Amount: Check Date:	<b>\$57.50</b> <b>07/28/2020</b> <i>57.50</i>	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 FIRE STATION # 101-336-776.000	INVOICE 52734	Invoice Amount: Check Date:	<b>\$85.00</b> <b>07/28/2020</b> <i>85.00</i>	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 FIRE STATION # 101-336-776.000	INVOICE 52733	Invoice Amount: Check Date:	<b>\$111.25</b> <b>07/28/2020</b> <i>111.25</i>	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 PLY TWP PARK 101-691-818.000	INVOICE 52740	Invoice Amount: Check Date:	<b>\$1,253.32</b> 07/28/2020 1,253.32	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 BRENTWOOD PA 101-691-818,000	INVOICE 52739	Invoice Amount: Check Date:	<b>\$126.66</b> <b>07/28/2020</b> <i>126.66</i>	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 PLYMOUTH POIN 101-691-818.000	INVOICE 52736	Invoice Amount: Check Date:	\$102.75 07/28/2020 102.75	
SERENE LANDSCAPE GROUP TURF FERTILIZATION ROUND 4 LAKE POINTE SO 101-691-818.000	INVOICE 52738	Invoice Amount: Check Date:	<b>\$445.00</b> <b>07/28/2020</b> <i>445.00</i>	
SHRED-IT SHRED EVENT- 07/11/20 226-226-809.000 226-226-809.000 226-226-809.000	SHRED EVENT - 4 HOURS 07 RECYCLING REC. SURCHARG Fuel/Env. Surcharge		<b>\$1,127.00</b> <b>07/28/2020</b> <i>1,000.00</i> <i>32.00</i> <i>95.00</i>	
SUPERIOR MEDICAL WASTE MEDICAL WASTE PICK UP 101-336-836.000	CONTAINERS OF MEDICA W	Invoice Amount: Check Date:	\$240.00 07/28/2020 240.00	
TACTICAL ENCOUNTERS INC. INV. 2020-59 7/2/2020 PATROL RIFLE INSTRUCT 101-305-960.000	OFFICER JASON RIPP JULY 2	Invoice Amount: Check Date: 21-24, 2020	<b>\$600.00</b> <b>07/28/2020</b> <i>600.00</i>	

TACTICAL ENCOUNTERS INC.			Invoice Amount:	\$600.00
	NCTDUCT		Check Date:	\$00.00 07/28/2020
INV. 2020-8 2/8/2020 PATROL RIFLE I	101-305-960.000	DETECTIVE SMITHERMAN J		600.00
THYSSENKRUPP ELEVATOR CORPORAT	ION		Invoice Amount:	\$1,200.00
ELEVATOR REPAIR			Check Date:	07/28/2020
	101-265-776.000	INVOICE 6000440280		1,200.00
THYSSENKRUPP ELEVATOR CORPORAT	ION		Invoice Amount:	\$3,162.03
FULL MAINTENANCE ELEVATOR SERVICE	E,YEARLY		Check Date:	07/28/2020
	101-265-776.000	INVOICE 3005340385		3,162.03
TIDERINGTON, SCOTT			<b>Invoice Amount:</b>	\$80.68
CLOTHING ALLOWANCE REIMBURSEME	NT PER C		<b>Check Date:</b>	07/28/2020
	101-305-758.000	CLOTHING REIMBURSEMEN	T - 2020	80.68
Tredroc Tire Service			Invoice Amount:	\$987.87
TIRES FOR E23443			Check Date:	07/28/2020
	101-336-863.000	E23443 AFTER HRS SERVIC	E CALL & TIRE	987.87
Tredroc Tire Service			Invoice Amount:	\$547.28
R1 TIRES			Check Date:	07/28/2020
	101-336-863.000	R1 TIRES		547.28
WAYNE COUNTY			Invoice Amount:	\$203.55
5/2020 TRAFFIC SIGNAL ENERGY INVO	DICE # 10		<b>Check Date:</b>	07/28/2020
·	101-446-920.000	5/2020 TRAFFIC SIGNAL EN	ERGY # 1010165	203.55
Thomas Reuters -WEST PAYMENT CEN	TER		<b>Ιπνοίce Amount:</b>	\$306.69
INV. 842558210 7/1/2020 WEST INFOR	MATION		Check Date:	07/28/2020
	101-305-960.000	JUNE 1-30, 2020	, proping a a	306.69
WINDER POLICE EQUIPMENT			Invoice Amount:	\$45.00
INV. 201372 7/15/2020 SERVICES PERF	ORMED O		Check Date:	07/28/2020
	101-305-863.000	INSTALL NEW 9005 LED HE	ADLIGHT BULB	45.00
WINDER POLICE EQUIPMENT			Invoice Amount:	\$1,445.00
INV. 201374 7/15/2020 FLARES FOR RC	DAD EMER		Check Date:	07/28/2020
	101-305-851.000	30 minute fuses w/wire		1,445.00
FLOW FREE SEWER AND DRAINS LLC			Invoice Amount:	\$1,825.00
TESTING AND CERTIFICATION OF 19 B	LACKFLO		Check Date:	07/28/2020
	101-691-931.000	LAKE POINTE SOCCER PARI	C IUNIT	125.00
	101-265-776.000	TOWNSHIP HALL 4 UNITS		350.00
	101-336-776.000 101-336-776.000	FIRE STATION 1 5 UNITS	r	425.00
	101-336-776.000 101-336-776.000	FIRE STATION 2 1 UNIT FIRE STATION 3 3 UNIT		175.00 275.00
	101-5 <b>9</b> 1-931.000	REC SITE 2 UNITS		275.00
	592-172-776.000	DPW 3 UNITS	5. C	275.00
HOME DEPOT USA			Invoice Amount:	\$80.00
REFUND PB20 0348			Check Date:	07/28/2020
	101-371-965.000	PB20-0348		80.00
RICKY STYES			Invoice Amount:	\$35.00
PAVILION RESERVATION REFUND - PER	MIT 1745		Check Date:	07/28/2020

VENDOR INFORMATION	INVOICE INFORMATION				
APPLIED FITNESS SOLUTIONS		\$175.00			
PAVILION RESERVATION REFUND - PERMIT 1739 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> 175.00		
NANCY PFEIFFER		Invoice Amount:	\$40.00		
SHELTER RESERVATION REFUND - PERMIT 1757 101-290-964.000	PARTIAL REFUND - REDUCE	Check Date: D FEE - SCHOOL	<b>07/28/2020</b> <i>40.00</i>		
KATHLEEN SANDBERG		Invoice Amount:	\$125.00		
SHELTER RESERVATION REFUND - PERMIT 1746 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> 125.00		
JAMES JABARA		Invoice Amount:	\$275.00		
PAVILION RESERVATION REFUND - PERMIT 1741 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> 275.00		
MARY ANN PESTI		Invoice Amount:	\$250.00		
SHELTER RESERVATION REFUND - PERMIT 1749 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> <i>250.00</i>		
GREGORY LEWANDOWSKI		Invoice Amount:	\$150.00		
SHELTER RESERVATION REFUND - PERMIT 1740 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> 150.00		
LAURA BRODZIK		Invoice Amount:	\$325.00		
PAVILION RESERVATION REFUND - PERMIT 1741 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> <i>325.00</i>		
KELLY SALLOUM		Invoice Amount:	\$325.00		
PAVILION RESERVATION REFUND - PERMIT 1738 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> <i>325.00</i>		
KATHLEEN SWIERLIK		Invoice Amount:	\$150.00		
PAVILION RESERVATION REFUND - PERMIT 1743 101-290-964.000-20	REFUND DUE TO COVID 19	Check Date:	<b>07/28/2020</b> 150.00		
	Total Amount t	o be Disbursed:	\$719,153.84		

Charter Township of Plymouth Refunds 4022 200 AP Invoice Listing - Board Report

VENDOR INFORMATION		INVOICE I	NFORMATION	
MCKENNA ASSOCIATES INC BD Bond Refund	101-371-283.014	BPE20-0001	Invoice Amount: Check Date:	<b>\$412.50</b> <b>07/20/2020</b> <i>412.50</i>
MCKENNA ASSOCIATES INC BD Bond Refund	101-371-283.014	BPZ18-0011	Invoice Amount: Check Date:	<b>\$165.00</b> <b>07/20/2020</b> <i>165.00</i>
MCKENNA ASSOCIATES INC BD Bond Refund	101-371-283.014	BPZ20-0001	Invoice Amount: Check Date:	<b>\$165.00</b> <b>07/20/2020</b> <i>165.00</i>
<b>SPALDING DEDECKER ASSOCIATES, INC.</b> BD Bond Refund	101-371-283.016	BE18-0021	Invoice Amount: Check Date:	<b>\$1,078.25</b> <b>07/20/2020</b> 1,078.25
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0025	Invoice Amount: Check Date:	<b>\$121.00</b> <b>07/20/2020</b> <i>121.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0007	Invoice Amount: Check Date:	<b>\$121.00</b> <b>07/20/2020</b> <i>121.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0016	Invoice Amount: Check Date:	<b>\$242.00</b> <b>07/20/2020</b> <i>242.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0008	Invoice Amount: Check Date:	<b>\$121.00</b> <b>07/20/2020</b> <i>121.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0026	Invoice Amount: Check Date:	<b>\$242.00</b> <b>07/20/2020</b> <i>242.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0005	Invoice Amount: Check Date:	<b>\$335.50</b> <b>07/20/2020</b> <i>335.50</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE19-0007	Invoice Amount: Check Date:	<b>\$121.00</b> <b>07/20/2020</b> <i>121.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0028	Invoice Amount: Check Date:	<b>\$441.00</b> <b>07/20/2020</b> <i>441.00</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE18-0052	Invoice Amount: Check Date:	<b>\$756.25</b> <b>07/20/2020</b> <i>756.25</i>
SPALDING DEDECKER ASSOCIATES, INC. BD Bond Refund	101-371-283.016	BE19-0010	Invoice Amount: Check Date:	<b>\$121.00</b> <b>07/20/2020</b> <i>121.00</i>

VENDOR INFORMATION	INVOICE I		
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$151.25
BD Bond Refund 101-371-283.016	BE19-0006	Check Date:	<b>07/20/2020</b> 151.25
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$551.00
BD Bond Refund	BE20-0002	Check Date:	<b>07/20/2020</b> 551.00
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$440.00
BD Bond Refund 101-371-283.016	BPZ19-0006 - PB19-0322	Check Date:	<b>07/20/2020</b> 440.00
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$617.25
BD Bond Refund 101-371-283.016	BE19-0002	Check Date:	<b>07/20/2020</b> 617.25
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$176.00
BD Bond Refund 101-371-283.016	BE19-0004	Check Date:	<b>07/20/2020</b> 176.00
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$948.00
BD Bond Refund 101-371-283.016	BE19-0009	Check Date:	<b>07/20/2020</b> 948.00
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$60.50
BD Bond Refund 101-371-283.016	BE19-0012	Check Date:	<b>07/20/2020</b> 60.50
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$2,133.75
BD Bond Refund 101-371-283.016	BE20-0004	Check Date:	<b>07/20/2020</b> 2,133.75
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$17,477.75
BD Bond Refund 101-371-283.016	BE20-0001	Check Date:	<b>07/20/2020</b> 17,477.75
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$537.50
BD Bond Refund 101-371-283.016	BE18-0006	Check Date:	<b>07/20/2020</b> <i>537.50</i>
SPALDING DEDECKER ASSOCIATES, INC.		Invoice Amount:	\$2,961.25
BD Bond Refund 101-371-283.016	BE20-0003	Check Date:	<b>07/20/2020</b> 2,961.25
SIMPLIFILE, LC		Invoice Amount:	\$60.00
BD Bond Refund 101-371-283.016	BE18-0021	Check Date:	<b>07/20/2020</b> <i>60.00</i>
SIMPLIFILE, LC		Invoice Amount:	\$45.00
BD Bond Refund 101-371-283.016	BE18-0016	Check Date:	<b>07/20/2020</b> <i>45.00</i>
	Total Amount	to be Disbursed:	\$30,601.75

WetlyPage 7/22/20

ENDOR INFORMATION	INVOICE INFORMATION			
ALERUS FINANCIAL			Invoice Amount:	\$20,151.87
MERS-457 PLAN - ALL EMPLOYEES 7-17	7-2020 PA		Check Date:	07/22/2020
	101-100-239.000	457 CONT. PRE-TAX		19,692.95
	101-100-239.000	457 CONT. ROTH POST-TAX		4,58.92
ALERUS FINANCIAL			Invoice Amount:	\$23,607.80
MERS - DC FT EMPLOYEES EMPLOYE			Check Date:	07/22/2020
MERS - DC FT EMPLOTEES EMPLOTE	101-171-714.010	SUPERVISOR'S OFFICE		999.30
	101-201-714.010	IT DIRECTOR		577.44
	101-215-714.010	CLERK'S OFFICE		1,855.67
	101-253-714.010	TREASURER'S OFFICE		982.56
	101-265-714.010	BUILDING MANAGER (HAACH	0	267.12
	101-305-714.010	PD DEPT. (TIDERINGTON, G		674.40
	101-305-714.030	PD DEPT UNION		3,133.65
	101-325-714.050	DISPATCH DEPT.		2,078.04
	101-336-714.010	FIRE - JOWSEY		282.96
	101-336-714.020	FIRE - UNION		4,960.28
	101-330-714.020	BUILDING DEPT.		1,588.39
	226-226-714.010	SOLID WASTE DEPT.		353.88
	588-588-714.010	SENIOR TRANS		2 <b>36</b> .36
		PUBLIC SERVICES		926.16
	592-172-714.010			
	592-291-714.000	DPW - FELLRATH, HAMANN		1,010.31
	592-291-714.040	DPW		2,715.00
	101-262-714.000	ELECTIONS (TERRELL)		298.69
	101-325-714.010	DISPATCH-RECORDS-BONAL		321.60
	101-100-231.000	RODRIGUEZ (DISPATCH) LO	AN	191.47
	101 100 221 000	NELCON (DOM) LOAN		104 52
	101-100-231.000	NELSON (DPW) LOAN		154.52
ALERUS FINANCIAL	101-100-231.000	NELSON (DPW) LOAN	Invoice Amount:	
		NELSON (DPW) LOAN		\$6,952.03
		NELSON (DPW) LOAN MERS EMPLOYEE PRE TAX	Invoice Amount:	\$6,952.03
	E CONTRI		Invoice Amount:	\$6,952.03 07/22/202
ALERUS FINANCIAL MERS - DC FT EMPLOYEES EMPLOYE A T & T	E CONTRI 101-100-231.000	MERS EMPLOYEE PRE TAX	Invoice Amount:	<b>\$6,952.03</b> <b>07/22/202</b> <i>6,363.73</i> <i>588.30</i>
MERS - DC FT EMPLOYEES EMPLOYE	E CONTRI 101-100-231.000 101-100-231.000	MERS EMPLOYEE PRE TAX	Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94
MERS - DC FT EMPLOYEES EMPLOYE	E CONTRI 101-100-231.000	MERS EMPLOYEE PRE TAX	Invoice Amount: Check Date:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT&T - TELEPHONE JULY 2020 AG	E CONTRI 101-100-231.000 101-100-231.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX	Invoice Amount: Check Date: Invoice Amount: Check Date:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT&T - TELEPHONE JULY 2020 AC ADP INC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11
MERS - DC FT EMPLOYEES EMPLOYE	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE	Invoice Amount: Check Date: Invoice Amount: Check Date:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT&T - TELEPHONE JULY 2020 AC ADP INC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11 07/22/202 2,360.95
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT&T - TELEPHONE JULY 2020 AC ADP INC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11 07/22/202
MERS - DC FT EMPLOYEES EMPLOYE <b>A T &amp;</b> T AT&T - TELEPHONE JULY 2020 AC <b>ADP INC</b> ADP ENTERPRISETIME & WORKFORCE	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11 07/22/202 2,360.95 682.50 931.66 \$324.4
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 IN (BR 101-201-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-201-818.000 101-215-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020`	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-201-818.000 101-215-818.000 101-265-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020` TOWNSHIP HALL-2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90 15.45
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-201-818.000 101-215-818.000 101-265-818.000 101-305-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020 TOWNSHIP HALL-2020 POLICE-2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11 07/22/202 2,360.95 682.50 931.66 \$324.4! 07/22/202 15.45 30.90 15.45 154.50
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-205-918.000 101-205-818.000 101-305-818.000 101-325-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020 CLERK - 2020 TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90 15.45 154.50 30.90
MERS - DC FT EMPLOYEES EMPLOYE <b>A T &amp;</b> T AT&T - TELEPHONE JULY 2020 AC <b>ADP INC</b> ADP ENTERPRISETIME & WORKFORCE	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-290-941.000 101-25-818.000 101-305-818.000 101-325-818.000 101-335-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020` TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020 FIRE - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90 15.45 154.50 30.90 30.90
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-290-941.000 101-258-818.000 101-325-818.000 101-325-818.000 101-335-818.000 588-588-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020 TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020 FIRE - 2020 SENIOR TRANS - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90 15.45 30.90 30.90 30.90 15.45
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-290-941.000 101-250-941.000 101-255-818.000 101-325-818.000 101-325-818.000 588-588-818.000 592-172-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020` TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020 FIRE - 2020 SENIOR TRANS - 2020 DPS - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.44 07/22/202 15.45 30.90 15.45 154.50 30.90 30.90 15.45 154.5
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-290-941.000 101-258-818.000 101-325-818.000 101-325-818.000 101-335-818.000 588-588-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020 TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020 FIRE - 2020 SENIOR TRANS - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.13 07/22/202 2,360.95 682.50 931.66 \$324.4! 07/22/202 15.45 30.90 15.45 30.90 30.90 30.90 15.45
MERS - DC FT EMPLOYEES EMPLOYE A T & T AT& T AT&T - TELEPHONE JULY 2020 AC ADP INC ADP ENTERPRISETIME & WORKFORCE BASIC Benefits LLC	E CONTRI 101-100-231.000 101-100-231.000 CCT. 831-0 101-325-853.400 NOW & P 101-290-941.000 101-290-941.000 101-290-941.000 101-290-941.000 101-250-941.000 101-255-818.000 101-325-818.000 101-325-818.000 588-588-818.000 592-172-818.000	MERS EMPLOYEE PRE TAX MERS EMPLOYEE POST TAX COMM/LOCKUP PHONE Enterprise eTime Workforce Now Payroll Services IT - 2020 CLERK - 2020` TOWNSHIP HALL-2020 POLICE-2020 DISPATCH-2020 FIRE - 2020 SENIOR TRANS - 2020 DPS - 2020	Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount: Check Date: Invoice Amount:	\$6,952.03 07/22/202 6,363.73 588.30 \$966.94 07/22/202 966.94 \$3,975.11 07/22/202 2,360.95 682.50 931.66 \$324.45 07/22/202 15.45 30.90 15.45 154.50 30.90 30.90 15.45 15.45

VENDOR INFORMATION	INVOICE INFORMATION	
101-290-714	4.500 GENERAL RETIREES HEALTHCARE	4,572.75
101-305-714	4.500 POLICE RETIREES HEALTHCARE	609.70
101-325-714	4.500 DISPATCH RETIREES HEALTHCARE	609.70
101-336-714	4.500 FIRE RETIREES HEALTHCARE	3,869.87
592-291-71-	4.500 PUBLIC WORKS RETIREES HEALTHCARE	1,219.40
BLUE CARE NETWORK OF MICHIGAN	Invoice Amount:	\$93,227.74
AUGUST 2020 COVERAGE - CLASSES 7 & 8 (S	Check Date:	07/22/2020
101-171-714		499.82
101-201-714		1,289.52
101-253-714		1,194.56
101-205-714		18,303.26
101-325-714		8,951.70
101-325-71		19,092.96
101-371-71-		4,873.20
592-291-714		1,789.34
101-305-714		11,657.38
101-505-71- 101-336-714		16,513.12
101-215-71-		999.64
101-213-/1- 101-265-714		999.84 1,194.56
592-172-714 592-172-714		
		2,194.20
226-226-714 50-201-211		1,289.52
592-291-71- 598-599-71-		900.88
588-588-71* 101-707-71		1,289.52
101-262-714	4.000 ELECTIONS (TERRELL)	1,194.56
BLUE CROSS/BLUE SHIELD OF MICHIGAN	Invoice Amount:	\$4,336.29
JULY 2020 RETIREE - BCBS (INVOICE, SPEADS	Check Date:	07/22/2020
101-290-714	4.500 GENERAL RETIREES	481.81
101-305-714	4.500 POLICE RETIREES	481.81
101-336-714	4.500 FIRE RETIREES	3,372.67
COMCAST	Invoice Amount:	\$61.90
INTERNET - AUGUST 2020 XFINITY ACCT 85	Check Date:	07/22/2020
101-290-94		61.90
CONSUMERS ENERGY	Invoice Amount:	\$104.97
MONTHLY CHGS - AUGUST 2020 DPW ONLY	Check Date:	07/22/2020
MONTHLY CHGS - AUGUST 2020 DPW ONLY 592-172-92		86.67
592-172-92 592-172-92		18.30
CONSUMERS ENERGY	Invoice Amount:	\$14.00
MONTHLY CHGS - JUNE 2020 SERVICE @ 47755	Check Date:	07/22/2020
592-444-74	5.000 ACCT #1000-6777-1970 47755 5MILE ROAD	
CONSUMERS ENERGY	Invoice Amount:	\$136.76
MONTHLY CHARGES - JULY 2020 (DETAILS BELO	Check Date:	07/22/2020
101-265-854	4.000 TOWNSHIP HALL - 1000 257103478	16.64
588-588-92	1.000 FRIENDSHIP STATION 1000 2571-3478	1.06
	1.000 TWP. PARK 1000 257103262	19.55
101-691-92	1.000 FIRE STATION #2 - 1000 2571-3403	<b>99.</b> 51
101-691-92 101-336-92	Invoice Amount:	\$2,340.00
101-691-921 101-336-921 I.A.F.F LOCAL 1496		\$2,340.00 07/22/2020
101-691-92 101-336-92	Check Date:	
101-691-921 101-336-921 I.A.F.F LOCAL 1496 IAFF DUES-JULY 2020 (DETAIL ATTACHED) 101-100-232	2.020 JULY 2020 UNION DUES	<b>07/22/2020</b> 2,340.00
101-691-925 101-336-925 I.A.F.F LOCAL 1496 IAFF DUES-JULY 2020 (DETAIL ATTACHED)	Check Date:	07/22/2020

VENDOR INFORMATION	INVOICE INFORMATION					
101-100-237.000	MONTHLY PREMIUM-JOW	SEY, RICHARD- 7-20	64.40			
MICHIGAN CONFERENCE OF TEAMSTERS		Invoice Amount:	\$16,962.00			
HEALTH INSURANCE -AUGUST 2020 (DPW) (IND		<b>Check Date:</b>	07/22/2020			
592-291-714.000	BARTLETT, JAMES		2,120.25			
592-291-714.000	KRUEGER, RANDY		2,120.25			
592-291-714.000	MELOW, STEVEN		2,120.25			
592-291-714.000	OVERAITIS, JOSEPH		2,120.25			
592-291-714.000	SCHOLTEN, JAMES		2,120.25			
592-291-714.000	THOMAS, JAMES		2,120.25			
592-291-714.000	NELSON, DAVID		2,120.25			
592-291-714.000	PUMPHREY, ZACHARY		2,120.25			
	Total Amount	t to be Disbursed:	\$184,107.68			

VENDOR INFORMATION		INVOICE INF	ORMATION	
A T & T		]	Invoice Amount:	\$1,881.54
AT&T - TELEPHONE ALLOCATION JUN	IE 2020 - R		Check Date:	07/15/2020
	101-201-853.000	Information Services		128.67
	101-209-853.000	Assessing		76.83
	101-371-853.000	Building		214.16
	101-336-853.000	Fire		338.07
	101-305-853.000	Police		342.48
	101-171-853.000	Supervisor		200.22
	101-253-853.000	Treasurer		170.82
	101-215-853.000	Clerk		99.77
	<i>101-371-853.500</i>	Community Development		79.72
	101-325-853.000	Dispatch		128.83
	101-265-854.000	Water/Sewer (Util)		30.59
	<i>101-691-853.000</i>	Park		23,96
	592-172-853.000	Gen Expense Tel		47.42
COMCAST		1	invoice Amount:	\$231.75
INTERNET - JULY 2020 ACCT 90091	3674		Check Date:	07/15/2020
	101-691-921.000	Township Park		64.95
	101-336-921.000	Fire		64.95
	101-325-853.400	Telephone		101.85
Huntington National Bank		]	invoice Amount:	\$9,072.00
2013 BOND 101-0077626-001 FRMER	38793/228		Check Date:	07/15/2020
	101-290-995.500	DEBT SERVICE GOLF INTERES		1,694.65
	101-290-995.500	DEBT SERVICE PARK INTERES		5,514.87
	<i>592-995-995.500</i>	DEBT SERVICE W & S INTERES	57	1,862.48
WESTERN TWNSPS UTILITIES AUTHO	DRITY		invoice Amount:	\$209,096.17
WTUA - JUNE 2020		_	Check Date:	07/15/2020
	592-441-742.000	Monthly Charges	Check Dates	169,755.94
	592-441-743.000	YUCA IPP-IWC		5,284.60
	592-443-937,000	Country Acres Pump Station		1,763.23
	592-100-185.000	Capital Improvement Program		32,292.40
WOW! BUSINESS		1	invoice Amount:	\$19.94
JULY 2020 ACCT, # 012296705			Check Date:	07/15/2020
JULI 2020 ACCI: # 012230703	101-265-854.000	SENIOR UTIL	Check Dute:	18.74
	588-588-921.000	SENIOR TRANS		<i>1.20</i>
		Total Amount to	be Disbursed:	\$220,301.40

VENDOR INFORMATION	INVOICE INFORMATION			
HEMMING,POLACZYK,CRONIN,SMITH, BD Bond Refund	101-371-283.015	BLE20-0001	Invoice Amount: Check Date:	\$2,625.00 07/16/2020 2,625.00
Plymouth Donut Inc	101-3/1 203.013	DLL20-0001	Invoice Amount:	\$11,250.00
BD Bond Refund	101-371-283.011	BPZ19-0011	Check Date:	<b>07/16/2020</b> 11,250.00
		Tota	Amount to be Disbursed:	\$13,875.00



#### CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 28, 2020

ITEM: Presentation and Resolution to approve Western Townships Utilities Authority (WTUA) Budget for 2020-'21

**<u>PRESENTER</u>**: Aaron Sprague, WTUA Executive Director

**BACKGROUND:** Aaron Sprague, Executive Director for WTUA, will be making his annual budget presentation to the Board of Trustees on July 28. The budget needs to be approved by Plymouth, Canton and Northville Townships. The budget draft has been reviewed without objection by the WTUA Board of Directors, comprised of the Supervisors of the three townships. Aaron has also provided us with a Resolution to adopt the budget.

<u>PROPOSED MOTION</u>: I move that the Board of Trustees approve Resolution #2020-07-29-71 adopting the 2020-'21 WTUA Budget per the recommendations of the WTUA Executive Director.

Moved By \_\_\_\_\_\_ Seconded By \_\_\_\_\_

**ROLL CALL:** 

\_\_\_\_Vorva\_\_\_ Curmi,\_\_\_ Clinton, \_\_\_Heitman, \_\_\_Doroshewitz, \_\_\_Dempsey, \_\_\_Heise

#### STATE OF MICHIGAN COUNTY OF WAYNE CHARTER TOWNSHIP OF PLYMOUTH

#### RESOLUTION TO APPROVE THE WESTERN TOWNSHIPS UTILITIES AUTHORITY (WTUA) PROPOSED ANNUAL BUDGET DOCUMENT FOR THE FISCAL YEAR ENDING SEPTEMBER 30, 2021

#### **RESOLUTION #2020-07-28-71**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on July 28, 2020, the following resolution was offered:

**WHEREAS**, Western Townships Utilities Authority has prepared a proposed budget for the fiscal year ending September 30, 2021, which has been reviewed and approved by the Finance Committee on July 20, 2020 and the Board of Commissioners on July 27, 2020; and

**WHEREAS,** THE Authority is required to submit a budget to each of the member Townships for approval in August of each year.

**NOW, THEREFORE, BE IT RESOLVED** that the departmental budget for the Authority as presented on page 1 of the Proposed Annual Budget for the fiscal year ending September 30, 2021 in the amounts presented, is hereby approved.

Moved by: \_\_\_\_\_\_ Seconded by: \_\_\_\_\_\_

ROLL CALL:

\_\_\_\_Vorva, \_\_\_\_Clinton, \_\_\_\_Curmi, \_\_\_\_Dempsey, \_\_\_\_Doroshewitz, \_\_\_\_Heise, \_\_\_\_Heitman



July 21, 2020

Ms. Sue Brams Charter Township of Plymouth 9955 N. Haggerty Road Plymouth, MI 48170-4673

Re: WTUA Proposed Annual Budget

Dear Ms. Brams:

According to Section 7.5 of the Western Townships Utilities Authority Finance and Service Agreement with the Charter Townships of Canton, Northville and Plymouth, WTUA shall annually submit a budget to each of the Townships for its approval in August of each year.

Enclosed please find eight (8) copies of the WTUA Proposed Annual Budget for the fiscal year 2020/2021, as well as a proposed resolution for approval of the budget and a copy of what was sent to us last year. The enclosed copies are for the Board of Trustees to review, plus one copy for your files. Please return a signed copy of the resolution once it has been approved by the Board.

This letter also confirms that the WTUA Proposed Annual Budget is on the Plymouth Township Board of Trustees agenda for 7:00 pm on July 28, 2020. Please confirm this by forwarding a copy of the July 28<sup>th</sup> agenda to our office.

If you have any questions, please do not hesitate to contact me.

Sincerely,

Aaron Sprague Director of Operations

Enc

cc: Mark Clinton, Treasurer (Enc)

## Western Townships Utilities Authority

SERVING THE CHARTER TOWNSHIPS OF CANTON, NORTHVILLE AND PLYMOUTH

## **ANNUAL BUDGET**

## YEAR ENDING SEPTEMBER 30, 2021

VERSION 1 - FINANCE COMMITTEE REVIEW BOARD STUDY SESSION TOWNSHIP APPROVALS

Prepared by:

Suzanne Reel, Accountant Aaron Sprague, Director of Operations Jack Polhill, OMI Project Manager

Reviewed by:

WTUA Finance Committee - July 20, 2020

#### 70 of 185

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#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

					,				
	Audited 2017/2018 Actual	Audited 2018/2019 Actual	Approved 2019/2020 Budget	Amended 2019/2020 Budget	Current YTD 7/13/2020	Projected 2019/2020	Recommended 2020/2021 Budget	% Variance Over/{Under} 2019/2020 Budget	% Variance Over/(Under 2019/202( Projected
			OPER/	ATIONS BUDG	ET				
REVENUES									
Township billings Saw grant funds	\$ 8,901,185		e : :•	3 \$ 11,138,988	~	\$ 10,362,177	\$ 10,888,463	(2.25%) 0.00%	5.08 <sup>4</sup> 0.00 <sup>4</sup>
Interest earnings & other revenue	37,811	1 28,355	<b>)</b>	e)	121,262	-	(H)	0.00%	0.00'
Total Revenues	8,938,997	7 8,729,603	3 11,138,988	11,138,988	7,913,911	10,362,177	10,888,463	(2.25%)	5.085
EXPENDITURES									
Sewage treatment charges Operations and maintenance Administrative YCUA capacity rental	\$ 5,881,571 1,815,210 530,186 479,913	0 1,762,878 6 520,964	8 2,244,427 4 614,425	2,244,427 614,425	\$ 4,961,339 1,540,957 376,440 403,883	2,224,105 577,925	\$ 7,571,872 2,354,187 597,773 364,630	(3.86%) 4.89% (2.71%) (9.72%)	5.81 5.85 3.43 (9.72%
Total Expenditures	8,706,880	0 8,497,485	5 11,138,988	11,138,988	7,282,618	10,362,177	10,888,463	(2.25%)	5.08%
	\$ 232,116				\$ 631,294		\$ -	2	
WORKING CAPITAL									
Beginning balance Reduction of GASB68 Liability	\$ 278,890 (232,116	6) (232,116	6)	) \$ 278,890	(A)	( ) k	\$ 278,890		
Revenues less expenditures Ending balance	232,116 \$ 278,890			278,890	631,294 \$ 910,184		\$ 278,890		
·			DEDT						
L			DEDIS	SERVICE BUDO	361				
REVENUES									
Bond debt billings to townships Restricted earnings	\$ 10,594,188 1,299	• •		\$ 4,115,400 -	\$    3,986,713 <u>355</u>	• •	\$ 3,934,000	3	
Total revenues	\$ 10,595,487	7 \$ 5,232,501	1 \$ 4,115,400	\$ 4,115,400	\$ 3,987,068	\$ 4,115,400	\$ 3,934,000	=	
EXPENDITURES									
Principal payment - 2009 Issue	6,525,000			e 1					
Interest expense - 2009 Issue Principal payment - 2012 Issue	131,788 3,125,000			3,565,000	3,565,000	3,565,000	3,525,000		
Interest expense - 2012 Issue	812,400	0 688,300	0 550,400	550,400	421,713	550,400	409,000	-	
Total bond debt requirements	<u>\$ 10,594,188</u>	8 <u>\$ 5,230,856</u>	<u>6 \$ 4,115,400</u>	<u>\$ 4,115,400</u>	<u>\$ 3,986,713</u>	<u>\$ 4,115,400</u>	\$ 3,934,000	=	

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET SUPPLEMENTAL INFORMATION DETAIL WORKSHEETS

Sewage Treatment Charges Operations & Maintenance Overview Lower Rouge and Middle Rouge Force Main, Collection System, Vehicle and Saw Grant Expenditures Administrative Administrative-Detail of Computer Expense Analysis of Bond Debt Service Additional Debt Service Information

#### 72 of 185

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

	Audited 2017/2018 Actual	Audited 2018/2019 Actual	Approved 2019/2020 Budget	Amended 2019/2020 Budget	Current YTD 7/13/2020	Projected 2019/2020	Recommended 2020/2021 Budget
		SEWAGE T	REATMENT	CHARGES			
YCUA:	7 000 550		7 500 40 4	7 500 404	4 074 400	6.046.422	7 407 763
Sewage treatment charges	7,232,550	7,449,943	7,509,134 135.000	7,509,134 135.000	4,871,402 92,480	6,946,433 135.000	7,197,753 <b>142,000</b>
Industrial pre-treatment charges GASB 68 - UAAL pension (fixed)	118,022	117,435	232,119	232,119	154,744	232,119	232,119
Lookback	(1,469,002)	(1,795,889)			(157,288)	<u>(157,288)</u>	
Sewage Treatment Total	\$ 5,881,571 \$	5,771,489	\$ 7,876,253	\$ 7,876,253	\$ 4,961,339	\$ 7,156,264	\$ 7,571,872

			CALCULATION			
		Estimated			Rate	Projecte
		Flows	Period	Rate	Change	Cost
Treatment Agency		(1,000 gallons)	(from/to)		(%)	(\$)
CUA				(per 1,000 gallons)		
wage treatment charges-projected rate		5,168,582	Oct-20 - Aug-21	1.288195	0.00%	6,658,
wage treatment charges-projected rate		406,690	Sept-21	1.326841	3.00%	539,
Т	Total flows YCUA	5,575,271		Total treatment charges YCUA		7,197,
ows are based upon actual metered sewage flow						
Canton Township						52
Northville Township						19
Plymouth Township						71
				Total YCU.	A IPP Charges	142
AL for pension - fixed amount						232
					Total YCUA	7,57

Total Sewage Treatment Charges \$ 7,571,872

#### 73 of 185

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

		Audited 017/2018 Actual	20	Audited 018/2019 Actual		Approved 2019/2020 Budget		Amended 2019/2020 Budget		Current YTD 7/13/2020		Projected	E	Recommended 2020/2021 Budget	% Variance Over/(Under) 2019/2020 Budget	% Variance Over/(Under) 2019/2020 Projected
				OPEI	RA		D	MAINTEN			E٧	V	-	-	-	
Lower Rouge	\$	995,721	\$	1,046,045	\$	1,064,052	\$	1.064.052	\$	793,679	\$	1,089,090	\$	1,149,467	8.03%	5.549
Middle Rouge		403,705		383,032		524,955		524,955		300,476		501,579		539,115	2.70%	7.489
Force Main		58,949		62,136		85,460		85,460		49,086		84,668		90,553	5.96%	6.95%
Collection System		354,485		269,622		562,460		562,460		395,970		541,268		567,553	0.91%	4.869
Vehicle		2,350		2,039		7,500		7,500		1,746		7,500		7,500	0.00%	0.009
Saw Grant expenditures	-		<u> </u>	14		153		÷	-	-		-	-		0.00%	0.009
Operation & Maintenance Total	\$	1,815,210	\$	1,762,874	\$	2,244,427	\$	2,244,427	\$	1,540,957	\$	2,224,105	\$	2,354,187	4.89%	5.859

4

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET74 of 185 OCTOBER 1, 2020 - SEPTEMBER 30, 2021

		Audited 017/2018 Actual	Audited 2018/2019 Actual	2	pproved 019/2020 Budget		Amended 2019/2020 Budget		Current YTD 7/13/2020	Projected 2019/2020	commended 2020/2021 Budget	% Variance Over/(Under) 2019/2020 Budget	% Variance Over/{Under} 2019/2020 Projected	
			 		LO	W	ER ROUG	E		 	1.			
O&M Contractor Parts Communications Instrumentation Service Alarm Monitoring Prev/Predictive Maintenance Inspections/Permits/Licenses Janitorial General Maintenance Lawn Maintenance	69	266,096 19,509 2,354 5,820 2,318 12,860 680 3,064 1,399 2,718	\$ 274,079 26,454 2,102 2,910 2,170 1,167 3,156 1,521 2,767	\$	282,302 15,000 2,500 4,000 14,000 3,000 3,250 4,000 4,000	\$	282,302 15,000 2,500 4,000 14,000 3,000 3,250 4,000 4,000	\$	243,491 24,647 2,002 2,910 1,536 20,864 461 2,705 1,033 1,365	\$ 293,340 25,000 3,500 4,000 2,000 21,000 3,000 3,250 4,000 4,000	\$ 305,595 15,000 3,500 4,000 20,000 3,000 3,372 4,000 4,000	0.00%	4.18% (40.00%) 0.00% 100.00% (4.76%) 0.00% 3.76% 0.00% 0.00%	Budget includes a 3% increase effective 1/1/2021
Snow Removal Landscape Maintenance Flow Meter Maintenance		7,088 784 2,947	5,247 787 4,125		5,500 3,500 6,000		5,500 3,500 6,000		5,112 199 3,850	5,500 1,500 6,000	5,500 3,500 6,000	0.00% 0.00% 0.00%	0.00% 133.33% 0.00%	Suzanne:
Electric Natural Gas Water/Sewer		547,594 18,559 68,207	585,847 18,602 68,855		500,000 20,000 75,000		500,000 20,000 75,000		408,827 21,539 44,296	550,000 25,000 75,000	550,000 25,000 75,000 8,000	10.00% 25.00% 0.00% 0.00%	0.00% 0.00% 0.00% 0.00%	Switchgear cleaning for the NPS & SPS (rotate each year)
Supplies and Tools Fuel Corrective Maintenance	_	3,769 29,953	4,063 7,004 35,190		8,000 10,000 100,000		8,000 10,000 100,000		3,674 5,168	 8,000 5,000 <u>50,</u> 000	 10,000	0.00%	100.00% 100.00%	L sugar
Lower Rouge Total	\$	995,721	\$ 1,046,045	\$	1,064,052	\$	1,064,052	\$	793,679	\$ 1,089,090	\$ 1,149,467	8.03%	5.54%	

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					 MI	DDL	E ROUGE								
D&M Contractor	\$		5	164,448	\$ 169,380	\$	169,380 7,500	\$	146,095 <b>5</b> 2,875	176,004 7,500	\$	183,357 7,500	8.25% 0.00%	4.18% 0.00%	
Parts		12,947		6,401	7,500					2,200		2,200	0.00%	0.00%	Trihedral maintenance \$2,910.
communications		1,556		1,713	2,200		2,200		1,210			4,000	0.00%	0.00%	L
strumentation Service		5,820		2,910	4,000		4,000		2,910	4,000			0.00%		
arm Monitoring		2,415		1,740	2,000		2,000		1,372	3,500		2,000		(42.86%)	
ev/Predictive Maintenance		9,351		152	12,000		12,000		749	12,000		12,000	0.00%	0.00%	
spections/Permits/Licenses		2,718		1,692	4,000		4,000		1,419	2,000		4,000	0.00%	100.00%	~
anitorial		4,596		4,734	4,875		4,875		4,057	4,875		5,058	3.76%	3.76%	\$8000 for switchgear
eneral Maintenance		2,160		1,277	5,000		5,000		852	2,500		5,000	0.00%	100.00%	
wn Maintenance		6,719		7,511	8,500		8,500		3,644	8,500		8,500	0.00%	0.00%	cleaning-every third year,
now Removal		7,756		5,574	6,000		6,000		5,623	6,000		6,000	0.00%	0.00%	rotating with NPS & SPS
indscape Maintenance		1,332		2,944	4,000		4,000		414	2,000		4,000	0.00%	100.00%	-
ow Meter Maintenance		19,443		20,400	16,500		16,500		14,625	16,500		16,500	0.00%	0.00%	
ectric		130,835		139,316	175,000		175,000		98,885	175,000		175,000	0.00%	0.00%	
dor Control Chemicals		6,214		4,241	13,000		13,000		3,999	13,000		13,000	0.00%	0.00%	
atural Gas		9,568		9,193	18,000		18,000		7,414	18,000		18,000	0.00%	0.00%	
/ater/Sewer		8,407		7,428	15,000		15,000		4,079	15,000		15,000	0.00%	0.00%	
upplies and Tools		1,117		1,359	8,000		8,000		254	8,000		8,000	0.00%	0.00%	
orrective Maintenance		11,094		3	50,000		50,000			25,000		50,000	0.00%	100.00%	
liddle Rouge Total	c	403,705	s	383,032	\$ 524,955	s	524,955	s	300,476 \$	501,579	s	539,115	2.70%	7.48%	

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

COLLECTION SYSTEM           VMA Contractor         \$ 53,219         \$ 54,816         \$ 56,460         \$ 58,668         \$ 61,553         9.02%         4.92%           Communications         295         1,000         1,000         2000         1000         1000         0.00%         0.00%         Auge         Estimate of sever cleaning: 100K           astsummation Service         3,467         5,280         4,000         4,000         2,000         2,000         0.00%         0.00%         Aaron.         Saw Grant has ended so there is no fisce           spections         1,000         1,000         1,000         1,000         0.00%         0.00%         Aaron.         Saw Grant has ended so there is no fisce           spections         1,000         1,000         1,000         1,000         0.00%         0.00%         Aaron.         Saw Grant has ended so there is no fisce           spections         1,000         1,000         1,000         1,000         1,000         0.00%         0.00%         0.00%           isspections         3,458         4,401         4,500         4,611         4,700         4,500         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00		-																
2017/2018         2018/2019         2018/2020         2019/2020         VTD Budget         Projected 2019/2020         2019/2020         2019/2020         2019/2020         2019/2020           Actual         Budget         Budget         YTD         2019/2020         2019/2020         2019/2020         Budget         Projected           Budget         Solution         Solution <td< th=""><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>% Variance</th><th>% Variance</th><th></th></td<>																% Variance	% Variance	
Actual         Budget         Budget         Privace         2019/2020         Budget         Budget         Properties           FORCE MAIN           AM Contractor         \$ 5,2719         \$ 54,816         \$ 4,628         \$ 56,868         \$ 01,503         0.00%         4.2%           Aris         5.000         5.000         5.000         5.000         0.00%         0.00%         0.00%           Upples and Tools         276         4.4         1,500         1,600         1,600         0.00%         0.00%           orreactive Maintenance         -1,777         20,000         20,000         20,000         0.00%         0.00%           orreactive Maintenance         -1,777         20,000         20,000         20,000         0.00%         427%           WAI Contractor         5         52,270         5         56,460         5         56,460         56,460         50,460         44,698         50,868         5         90,058           outmunctactors         3,467         5,2090         4,000         1,000         1,000         0.00%         Aaron. Saw Gart has ended singer sin		A	Audited	4	Audited	A	pproved	A	mended		Current			R	Recommended	Over/(Under)	Over/(Under)	
Actual         Budget         Budget         Privace         2019/2020         Budget         Budget         Properties           FORCE MAIN           AM Contractor         \$ 5,2719         \$ 54,816         \$ 4,628         \$ 56,868         \$ 01,503         0.00%         4.2%           Aris         5.000         5.000         5.000         5.000         0.00%         0.00%         0.00%           Upples and Tools         276         4.4         1,500         1,600         1,600         0.00%         0.00%           orreactive Maintenance         -1,777         20,000         20,000         20,000         0.00%         0.00%           orreactive Maintenance         -1,777         20,000         20,000         20,000         0.00%         427%           WAI Contractor         5         52,270         5         56,460         5         56,460         56,460         50,460         44,698         50,868         5         90,058           outmunctactors         3,467         5,2090         4,000         1,000         1,000         0.00%         Aaron. Saw Gart has ended singer sin		20	017/2018	20	18/2019	20	019/2020	2	019/2020	1	CTY	F	rojected		2020/2021	2019/2020	2019/2020	
FORCE MAIN           FORCE MAIN           DAM Contractor         \$ 53,219 \$ 54,818 \$ 56,400 \$ 40,098 \$ 56,808 \$ 61,533 9.02% 4.52% 4.52% 4.61% 3 0.00% 100.00% 0.00% 4.61% 3.000 1,000 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 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% 0.00% 0.00% 0.00% 0.00% 0.0				I				I		.			-		Budget			
MA Contractor         \$         5.3,219         \$         54,816         \$         56,460         \$         48,668         \$         61,533         0.03%         100.00%           originaria         638         7.22         1,000         1,000         3,000         0,000         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%         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%         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%         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%         0.00%         0.00%         0.00%         0.00%			Actual	<u> </u>	Actual		Duuger		Budget		11312020		OISIZORO		Dudget	Budget	TOLOGO	
arts         4,818         4,767         9,000         8,000         3,000         6,000         0.00%         100,00%           broundskalntenance         338         742         1,000         1,000         3,000         0.00%         0.00%         0.00%           broundskalntenance         276         44         1,500         1,500         0.00%         0.00%         0.00%           orrective Maintenance         276         44         1,500         1,500         0.00%         0.00%         0.00%           orrective Maintenance         276         5,4316         \$         85,460         \$         49,666         \$         49,668         \$         30,553         5,56%         6,95%           orrective Maintenance         276         5,4316         \$         56,460         \$         49,668         \$         30,553         5,56%         6,95%           VMA Contractor         3         53,479         \$         56,460         \$         49,668         \$         90,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000	2 101						FC	RC	E MAIN									
arts         4,818         4,767         9,000         8,000         3,000         6,000         0.00%         100,00%           broundskalntenance         338         742         1,000         1,000         3,000         0.00%         0.00%         0.00%           broundskalntenance         276         44         1,500         1,500         0.00%         0.00%         0.00%           orrective Maintenance         276         44         1,500         1,500         0.00%         0.00%         0.00%           orrective Maintenance         276         5,4316         \$         85,460         \$         49,666         \$         49,668         \$         30,553         5,56%         6,95%           orrective Maintenance         276         5,4316         \$         56,460         \$         49,668         \$         30,553         5,56%         6,95%           VMA Contractor         3         53,479         \$         56,460         \$         49,668         \$         90,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000	ORM Contractor	¢	53 210	¢	54 816	\$	56 460	¢	56 460	s	48 608	¢	58 668	\$	61 553	9 02%	4 92%	
communications         038         742         1,000         1,000         388         1,000         1,000         0,00%         0.00%           upples and Tools         276         4.4         1,500         1,500         1,500         0.00%         0.00%         0.00%           orderElve Maintenance         -         1,767         20,000         -         20,000         20,000         0.00%         0.00%           orderElve Maintenance         5         53,219         \$         56,460         \$         48,660         \$         48,668         \$         00,053         5.06%         6.95%           COLLECTION SYSTEM           EXAM Contractor         \$         53,219         \$         54,460         \$         48,668         \$         61,553         9.02%         4.92%           COLLECTION SYSTEM           Extended for the strend sector server dearing: 100           Garder S         53,219         \$         54,460         \$         48,668         \$         61,553         9.02%         4.92%           COLLECTION SYSTEM           Estimate of sever dearing: 100		Ψ		Ψ		Ψ		Ψ		Ψ	40,000	¥		Ψ	,			
stourds Maintenance         200         500         500         500         500         0.00%         0.00%           orrective Maintenance         276         44         1,600         1,500         1,500         0.00%         0.00%         0.00%           orrective Maintenance         1,757         20,000         20,000         20,000         20,000         0.00%         0.00%           visuance         5         62,158         8,5460         \$         84,668         \$         90,553         5.96%         6.95%           visuance         5         52,219         \$         54,461         \$         64,600         \$         90,053         5.96%         6.95%           visuance         80,734         10,000         10,000         20,000         20,000         20,000         0.00%         4.97%           visuance         3,467         5,280         4,000         4,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000         1,000											388				•			
upplies and Tools         276         4.4         1,500         1,500         1,500         1,500         1,500         20,000         20,000         20,000         20,000         20,000         20,000         20,000         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%         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%         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%         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%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00% </td <td></td> <td></td> <td>000</td> <td></td> <td>174</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>000</td> <td></td> <td></td> <td></td> <td>•</td> <td></td> <td></td> <td></td>			000		174						000				•			
Image: contractive Maintenance         1,727         20,000         20,000         20,000         0.00%         0.00%           ionce Main Total         \$         58,549         \$         62,4136         \$         85,460         \$         49,086         \$         90,653         5.96%         6.35%           ionce Main Total         \$         53,219         \$         54,416         \$         64,400         \$         44,608         \$         90,653         5.96%         6.35%           ionumulations matrix Maintenance         20,724         5,220         4,000         \$         48,608         \$         90,685         210,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000         10,000			276		44													
Sorce Main Total         S         58,549         S         62,138         S         85,640         S         49,085         84,668         S         90,653         5.98%         6.95%           MAC Contractor infestructure Maintenance arts         S         53,219         S         54,816         S         56,460         S         48,668         S         90,655         210,000         150,000         208,0754         150,000         150,000         208,075         210,000         150,000         208,075         210,000         150,000         208,075         210,000         150,000         208,075         210,000         1000         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.02%         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000         4.000			2/0															
COLLECTION SYSTEM           VMA Contractor         \$ 53,219         \$ 54,816         \$ 56,460         \$ 48,698         \$ 58,668         \$ 61,553         9.02%         4.92%           Communications         245         1,000         1,000         206,065         210,000         10,000         0.00%         0.00%         Auge         Estimate of sever cleaning: 100k           astrumentation Service         245         1,000         1,000         1,000         0.00%         0.00%         Aaron. Saw Grant has ended so there is no diffect terra contract year 2 shows \$123k           utiliding Maintenance         1,857         2,000         2,000         1,000         1,000         0.00%         0.00%         Aaron. Saw Grant has ended so there is no diffect terra contract year 2 shows \$123k           utiliding Maintenance         1,857         2,000         2,000         2,000         1,000         1,000         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%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%			3															
BAK Contractor       \$       5.3.219       \$       5.4.816       \$       5.6.460       \$       6.8.68       \$       61.533       9.02%       4.92%         iffastructure Maintenance       2.95       1,000       150.000       2.08,065       210,000       1.000       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%       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%       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00% <td< th=""><th>Force Main Total</th><th>\$</th><th>58,949</th><th>\$</th><th>62,136</th><th>\$</th><th>85,460</th><th>\$</th><th>85,460</th><th>\$</th><th>49,086</th><th>\$</th><th>84,668</th><th>\$</th><th>90,553</th><th>5.96%</th><th>6.95%</th><th></th></td<>	Force Main Total	\$	58,949	\$	62,136	\$	85,460	\$	85,460	\$	49,086	\$	84,668	\$	90,553	5.96%	6.95%	
firstructure Maintenance       80,734       150,000       150,000       150,000       1000       0.00%       0.00%       D00%       D00% <thd00%< th="">       D00%       <thd00%< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>COLLE</td><td>СТІ</td><td>ON SYST</td><td>ΓEM</td><td></td><td></td><td></td><td></td><td></td><td>no n e 5. mer</td><td></td><td></td></thd00%<></thd00%<>							COLLE	СТІ	ON SYST	ΓEM						no n e 5. mer		
infrastructure Maintenance       80,734       150,000       150,000       1000       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       Aaron. Saw Grant has ended so         communications       3,467       5,290       4,000       4,000       2,000       3,319       3,400       4,000       0.00%       0.00%       Aaron. Saw Grant has ended so       there is no offset. Terra contract year 2 shows \$123k         inglinding Maintenance       1,857       2,000       1,000       1,000       1,000       0.00%       0.00%       Aaron. Saw Grant has ended so         inglinding Maintenance       1,857       2,000       1,000       1,000       1,000       0.00%       0.00%       Utere is no offset. Terra contract year 2 shows \$123k         ivond Maintenance       1,000       1,000       1,000       1,000       0.00%       0.00%       Utere is no offset. Terra contract year 2 shows \$123k         ivond Maintenance       1,48,125       139,050       156,000       108,070       156,000       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%       0.00%	O&M Contractor	\$	53,219	\$	54,816	\$	56,460	\$	56,460	\$	48,698	\$	58,668	\$	61,553	9.02%	4.92%	
arts       285       1,000       1,000       1,000       1,000       0.00%       0.00%       D0%       D0%         bommunications       3,467       5,290       4,000       4,000       2,403       4,000       0,000       0.00%       0.00%       Arcn. Saw Grant has ended so there is no affset. Terra contract year 2 shows \$123k         rew/Predictive Maintenance       1,857       2,000       2,000       1,000       1,000       0.00%       0.00%       Arcn. Saw Grant has ended so there is no affset. Terra contract year 2 shows \$123k         visionds Maintenance       1,000       1,000       1,000       1,000       0.00%       0.00%       year 2 shows \$123k         visonds Maintenance       148,125       158,005       156,000       106,765       156,000       0.00%       0.00%       year 2 shows \$123k         its Dig       3,458       4,401       4,500       12,000       12,000       12,000       0.00%       0.00%       0.00%       year 2 shows \$123k         ites Dig       3,4545       138,050       156,000       106,765       156,000       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       year 2 shows \$123k         ites Dig       3,5467       5,500       9,000       <	nfrastructure Maintenance				1.1						,				150,000	0,00%	(28.57%)	
Jommunications         3,467         5,290         4,000         2,403         4,000         4,000         0,00%         Loggening: 100%           saturmentation Service         1,857         2,000         2,000         3,319         3,400         2,000         0.00%         (41.18%)           spections         500         500         500         500         0.00%         (41.18%)           viging Purchases         1,000         1,000         1,000         1,000         0.00%         (41.18%)           viging Purchases         1,000         1,000         1,000         0.00%         0.00%         (41.18%)           viging Purchases         1,000         1,000         1,000         0.00%         0.00%         (42.8%)           viging Purchases/Flow Meters         9,603         9,130         12,000         16,600         10.00%         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%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%         0.00%	Parts				10		•								1,000	0.00%	0.00%	
astumentation Service       1,000       1,000       1,000       1,000       0.00%       0.00%       Aaron. Saw Grant has ended so         rew/Fredictive Maintenance       1,857       2,000       3,319       3,400       2,000       0.00%       (41,18%)         tuilding Maintenance       1,000       1,000       1,000       1,000       0.00%       (0.00%       there is no offset. Terra contract year 2 shows \$123k         tuilding Maintenance       1,857       139,050       156,000       166,000       1,000       0.00%       (0.00%       (0.00%         tow Meter Maintenance       148,125       139,050       156,000       186,000       108,765       156,000       156,000       0.00%       (0.00%       (0.00%         tiss Dig       3,458       4,401       4,500       4,501       4,700       4,500       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%       (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%       (0.0					5,290						2,403				4,000	0.00%	0.00%	Estimate of sewer cleaning: 100k p
rev/Predictive Maintenance         1,857         2,000         2,000         3,319         3,400         2,000         0,00%         (41,18%)         there is no offset. Terra contract year 2 shows \$123k           hspections         500         500         500         500         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%         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%         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%         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%         0,00%         0,00%         0,00%         0,00%         0,00%         0,0			12		-,		-									0.00%	0.00%	Aaron. Saw Grant has ended so
spections     -     500     500     500     500     0.00%     0.00%     0.00%       utilding Maintenance     -     1,000     1,000     1,000     1,000     0.00%     0.00%     0.00%       low Meter Maintenance     -     1,000     156,000     156,000     156,000     0.00%     0.00%     0.00%       low Meter Maintenance     -     148,125     139,050     156,000     156,000     156,000     0.00%     0.00%     0.00%       low Meter Maintenance     -     1,375     2,000     4,611     4,700     4,600     0.00%     0.00%     0.00%       liectric     9,503     9,130     12,000     12,000     1,000     1,000     0.00%     0.00%     0.00%       guip Purchases/Flow Meters     9,360     26,648     50,000     120,000     120,000     100,00%     0.00%     100.00%       corrective Maintenance     -     336,624     28,913     120,000     13,467     60,000     120,000     0.00%     0.00%       corrective Maintenance     -     -     2,000     5,000     5,000     5,000     0.00%     0.00%       corrective Maintenance     -     3,56,2460     \$ 562,460     \$ 395,970     \$ 541,268     \$ 567,553			1.857		6.3						3.319				•	0.00%	(41,18%)	there is no offset. Terra contract
School Maintenance       1,000       1,000       1,000       1,000       0.00%       0.00%       0.00%         irounds Maintenance       1,000       1,000       1,000       1,000       0.00%       0.00%       0.00%         irounds Maintenance       148,125       139,050       156,000       108,755       156,000       0.00%       0.00%       0.00%         ites Dig       3,458       4,401       4,500       4,600       4,611       4,700       4,500       0.00%       0.00%       0.00%         ites Dig       3,458       4,401       4,500       4,600       4,611       4,700       4,500       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       witing Wayne County system       0.00%       100.00%       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%       0.00%       0.00%       0.00%       0.00%       0.00%			1,001		-						010.0						• •	year 2 shows \$123k
arrow ds Maintenance       1,000       1,000       1,000       1,000       0.00%       0.00%       0.00%         low Meter Maintenance       148,125       139,050       156,000       108,765       156,000       0.00%       0.00%       0.00%       0.00%         low Meter Maintenance       3,458       4,401       4,500       4,500       4,611       4,700       1,000       0.00%       0.00%       0.00%       0.00%         lectric       9,503       9,130       12,000       12,000       6,642       12,000       10,000       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%       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%	•																	
Iow Meter Maintenance       148,125       139,050       156,000       108,765       156,000       156,000       0.00%       0.00%       0.00%         tiss Dig       3,458       4,401       4,500       4,611       4,700       4,500       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%       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%       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%       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%       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				÷				,						,			
Siss Dig       3.458       4.401       4.500       4.500       4.611       4.700       4.500       0.00%       (4.26%)         Jectric       9.503       9.130       12.000       12.000       6.642       12.000       12.000       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%       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%       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%       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%       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%			148 125		139.050						108 765							
Silectric       9,503       9,130       12,000       12,000       12,000       12,000       0.00%       0.00%       0.00%       SCADA maintenance due to exiting Wayne County         uplies and Tools       356       1,000       1,000       -       1,000       1,000       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%       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%       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%											-							
Vipplies and Tools       356       1,000       1,000       -       1,000       1,000       1,000       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%       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%       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%       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%	•														•			
wei       487       1,375       2,000       2,000       2,000       2,000       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%       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%       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%       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.0					9,130						0,042				•			SCADA maintenance due to
System       9,360       26,648       50,000       50,000       50,000       100.00%       100.00%         Corrective Maintenance       43,624       28,913       120,000       120,000       13,467       60,000       120,000       100.00%       100.00%         Collection System Total       \$ 354,485       \$ 269,622       \$ 562,460       \$ 395,970       \$ 541,268       \$ 567,553       0.91%       4.86%         VEHICLE         Variation System Total       \$ 123       \$ 500       \$ 500       \$ 182       \$ 500       \$ 500       0.00%       0.00%       0.00%         Corrective Maintenance       \$ 123       \$ 500       \$ 500       \$ 182       \$ 500       \$ 500       0.00%       0.00%       0.00%         Corrective Maintenance       \$ 123       \$ 2,000       \$ 2,000       1,000       1,000       0.00%       0.00%       0.00%         Corrective Maintenance       \$ 123       \$ 0.00       \$ 7,000       \$ 1,746       \$ 7,500       \$ 7,500       0.00%       0.00%       0.00%         Corrective Maintenance       \$ 2,350       \$ 2,039       \$ 7,500       \$ 1,746       \$ 7,500       \$ 7,500       \$ 0.00%       0.00%       0.00%         SAW GRA					1 275								-					
Scorrective Maintenance       43,624       28,913       120,000       120,000       13,467       60,000       120,000       0.00%       100.00%         Collection System Total       \$       354,485       \$       269,622       \$       562,460       \$       395,970       \$       541,268       \$       567,553       0.91%       4.86%         VEHICLE         Parts       \$       123       \$       500       \$       182       \$       500       \$       0.00%       0.00%       0.00%         Prev/Predictive Maintenance       \$       123       \$       \$       500       \$       182       \$       500       \$       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%       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%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%       0.00%							,								,			system
Solie         Solie <th< td=""><td></td><td></td><td></td><td></td><td>•</td><td></td><td></td><td></td><td></td><td></td><td>13 467</td><td></td><td></td><td></td><td></td><td>4</td><td></td><td></td></th<>					•						13 467					4		
VEHICLE           Vehicle vertice         VEHICLE           Varts         \$ 123 \$ - \$ 500 \$ 500 \$ 182 \$ 500 \$ 500 \$ 100 0.00%         0.00% 0.00%           Prev/Predictive Maintenance         53 1,000 1,000 1,000 1,000 1,000 0.00%         0.00% 0.00%           Uel         1,806 1,987 4,000 4,000 1,129 4,000 4,000 0.00%         0.00% 0.00%           Corrective Maintenance         2,000 2,000 435 2,000 2,000 0.00%         0.00% 0.00%           Vehicle Totals         \$ 2,350 \$ 2,039 \$ 7,500 \$ 7,500 \$ 1,746 \$ 7,500 \$ 7,500         0.00% 0.00%           Saw Grant Expenditure	Corrective Maintenance	<del></del>	43,624		28,913		120,000		120,000	2	13,407	_	60,000		120,000	0.00%	100.00 %	
Parts       \$       123 \$       \$       500 \$       500 \$       182 \$       500 \$       500 \$       0.00%       0.00%         Prev/Predictive Maintenance       53       1,000       1,000       1,000       1,000       0.00%       0.00%       0.00%         Uel       1,806       1,987       4,000       4,000       1,129       4,000       4,000       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%       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%       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%       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%       0.00%       0.00%	Collection System Total	\$	354,485	\$	269,622	\$	562,460	\$	562,460	\$	395,970	\$	541,268	\$	567,553	0.91%	4.86%	
Tev/Predictive Maintenance       53       1,000       1,000       1,000       0.00%       0.00%         Tev/Predictive Maintenance       1,806       1,987       4,000       4,000       1,129       4,000       4,000       0.00%       0.00%         Corrective Maintenance       421       2,000       2,000       435       2,000       2,000       0.00%       0.00%         //ehicle Totals       \$ 2,350 \$ 2,039 \$ 7,500 \$ 7,500 \$ 1,746 \$ 7,500 \$ 7,500       0.00%       0.00%       0.00%         SAW GRANT EXPENDITURES				- 99	-			VEł	HICLE			2002				* · ·		
Prev/Predictive Maintenance       53       1,000       1,000       1,000       0.00%       0.00%         Uel       1,806       1,987       4,000       4,000       1,129       4,000       4,000       0.00%       0.00%         Corrective Maintenance       421       -       2,000       2,000       435       2,000       2,000       0.00%       0.00%         /ehicle Totals       \$       2,350       \$       2,039       \$       7,500       \$       7,500       \$       7,500       0.00%       0.00%         SAW GRANT EXPENDITURES	Parts	\$	123	\$		S	500	\$	500	\$	182	\$	500	\$	500	0.00%	0.00%	
1,806       1,987       4,000       4,000       1,129       4,000       4,000       0.00%       0.00%         Corrective Maintenance       421       -       2,000       435       2,000       2,000       0.00%       0.00%         /ehicle Totals       \$ 2,350 \$ 2,039 \$ 7,500 \$ 7,500 \$ 1,746 \$ 7,500 \$ 7,500       0.00%       0.00%       0.00%         SAW GRANT EXPENDITURES															1,000	0.00%	0.00%	
Corrective Maintenance       421       -       2,000       435       2,000       2,000       0.00%       0.00%         /ehicle Totals       \$ 2,350 \$ 2,039 \$ 7,500 \$ 7,500 \$ 1,746 \$ 7,500 \$ 7,500       0.00%       0.00%       0.00%         SAW GRANT EXPENDITURES         Saw Grant Expenditure	Fuel		1.806						•		1,129					0.00%	0.00%	
SAW GRANT EXPENDITURES	Corrective Maintenance		,				•			_			,	_		0.00%	0.00%	
Saw Grant Expenditure	Vehicle Totals	\$	2,350	\$	2,039	\$	7,500	\$	7,500	\$	1,746	\$	7,500	\$	7,500	0.00%	0.00%	
Saw Grant Expenditure						S	AW GRA	NTI	EXPEND	ITUR	RES					- :	]	
•						<u> </u>							*	ne.	7. f			
	Saw Grant Expenditure	¢		s	_	s		\$	-	s	-	s	-	\$		0.00%	0.00%	
		-		Ľ,		-		-								6		

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEEDS OCTOBER 1, 2020 - SEPTEMBER 30, 2021

	2017/2018 Actual	2018/2019 Actual	2019/2020 Budget	2019/2020 Budget	YTD 7/13/2020	Projected 2019/2020	2020/2021 Budget	2019/2020 Budget	2019/2020 Projected	Budget includes a 3% increase for staff effective for the first pay of 2018.
			ADMIN	ISTRATIVE		····				Director's includes
										Board
Salaries & Fringe Benefits	¢ 404.000	¢ 100 100	R 440 547	A 40 E 47	e 80.004		e 440.454	0.50%	0.50%	
Director of Operations	\$ 104,888							2.56%	2.56%	
Accountant	68,903	71,245	73,673	73,673	54,083	73,673	75,609	2.63%	2.63%	
Administrative Assistant	53,801	55,677	57,575	57,575	42,541	57,575	59,088	2.63%	2.63%	
Construction Management Observer	1			1.1.1		*	*	0.00%	0.00%	
Overtime	-	4 000	0.000		4 000	-		0.00%	0.00%	
Sick pay accrual	6,000	4,800	3,000	3,000	1,800	3,000	3,000	0.00%	0.00%	
Temporary Services			3,000	3,000	1.55		3,000	0.00%	100.00%	
FICA	17,426	17,869	18,800	18,800	13,686	18,800	19,300	2.66%	2.66%	
Workers Comp Insurance	1,137	762	1,200	1,200	585	1,200	1,200	0.00%	0.00%	
Health Insurance	40,251	44,162	40,000	40,000	36,149	46,000	49,000	22.50%	6.52%	
Health Insurance Opt Out		5 <b>1</b> 1	4			8	ಶ	0.00%	0.00%	7
Vision Plan	200	(7)	1,200	1,200		1,200	1,200	0.00%	0.00%	1
Dental Insurance	3,150	3,391	4,000	4,000	2,471	4,000	4,000	0.00%	0.00%	Budget is assuming no opt-
STD/LTD/Life Insurance	3,910	3,958	5,000	5,000	3,324	5,000	5,000	0.00%	0.00%	outs
Education Expense	10	3	3,000	3,000	1.1		3,000	0.00%	100.00%	
Pension Plan Expense	33,921	35,012	37,000	37,000	26,808	37,000	39,000	5.41%	5.41%	
Subtotal	333,589	343,367	360,995	360,995	263,541	360,995	378,848	4.95%	4.95%	
Reimbursable Expenses										
Training/Conference	667	805	2,000	2,000	218	2,000	2,000	0.00%	0.00%	
Travel/Meal Reimbursement	Ξ.	10	500	500	*	500	500	0.00%	0.00%	
Mileage Reimbursement	1,207	1,141	2,000	2,000	482	2,000	2,000	0.00%	0.00%	
Subtotal	1,874	1,956	4,500	4,500	700	4,500	4,500	0.00%	0.00%	
Office Expenses										
Supplies	1,633	1,824	3,000	3,000	1,290	3,000	3,000	0.00%	0.00%	
Computer	41,361	31,542	43,500	43,500	38,497	43,500	43,500	0.00%	0.00%	
Equipment/Furniture	206		5,000	5,000	280	5,000	5,000	0.00%	0.00%	
Printing/Copying	260	305	2,000	2,000	656	2,000	2,000	0.00%	0.00%	
Postage	360	471	1,000	1,000	344	1,000	1,000	0.00%	0.00%	
Telephone	4,146	4,188	5,000	5,000	2,732	5,000	5,000	0.00%	0.00%	
Newspapers/Publications	438	785	2,000	2,000		21	2,000	0.00%	100.00%	
Outside Services	1,044	1,044	2,000	2,000	696	1,000	2,000	0.00%	100.00%	
Memberships/Dues	1,216	1,254	1,800	1,800	1,468	1,800	1,800	0.00%	0.00%	
Miscellaneous	421	147	750	750	190	750	750	0.00%	0.00%	
Subtotal	51,086	41,561	66,050	66,050	46,152	63,050	66,050	0.00%	4.76%	
Outside Services										Wayne County termination
Legal-Consulting	51,323	57,001	85,000	85,000	11,063	60,000	50,000	(41.18%)	(16.67%)	formation of new water
			10,000	10,000		10,000	10,000	0.00%	0.00%	authority
Other Legal	15,910	16,390	16,880	16,880	16,880	16,880	17,375	2.93%	2.93%	
		2,590	10,000	10,000	950	5,000	10,000	0.00%	100.00%	
Audit	1.275				661	5,000	10,000	0.00%	100.00%	
Audit Financial Consulting	1,275 29,566	11,982	10,000	10.000						
Audit Financial Consulting Indirect Engineering Services	1,275 29,566 770			10,000 1,000	2,513	2,500	1,000	0.00%	(60.00%)	
Other Legal Audit Financial Consulting Indirect Engineering Services Bank & Bond Services Insurance Services	29,566	11,982	10,000 1,000 50,000			2,500 50,000	1,000 50,000	0.00% 0.00%	(60.00%) 0.00%	

Administrative Total

\$ 530,186 \$ 520,970 \$ 614,425 \$ 614,425 \$ 376,440 \$ 577,925 \$

(2.71%) 3.43%

597,773

7

#### WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

## ADMINISTRATIVE DETAIL OF COMPUTER EXPENSE

Contractors		
Network Support	\$	16,400
Email and website hosting	•	2,000
Internet services/static ip		2,500
		E 000
Lucity (GBA) IMS Support		5,000
Fund Balance32 Support Package (Oct. 1 - Sept. 30)		600
ArcGIS Support		500
Software		
H2O Metrics		12,500
Virus protection/spam software		1,000
Microsoft office 365 annual fees		1,000
Miscellaneous software - new/upgrades		2,000
	2	1017 (T. )
Total	\$	43,500

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## WESTERN TOWNSHIPS UTILITIES AUTHORITY PROPOSED ANNUAL BUDGET WORKSHEET OCTOBER 1, 2020 - SEPTEMBER 30, 2021

## ANALYSIS OF DEBT SERVICE

Allocation to	Township	s of Debt Se	rvice Budget		
		Total	Canton Township	Northville Township	Plymouth Township
Principal payment - 2012 Bond Issue Interest expense - 2012 Bond Issue		3,525,000 444,250	1,189,688 149,934	1,062,788 133,941	1,272,525 160,374
Allocation of Debt Service Budget	\$	3,969,250	\$ 1,339,622	\$ 1,196,729	\$ 1,432,899

Allocation to Townships of Debt Service Payments - Cash Flow

	Township Payment Dates to WTUA	Р	Total ayment Due	Canton ownship		rthville wnship	lymouth ownship
2012 Bond Issue (C 33.75%, N 30.15%, P 36.10%)	12/1/2020 6/1/2021		<b>3,782,375</b> 186,875	<b>1,276,552</b> 63,070	1	, <b>140,386</b> 56,343	1,365,437 67,462
Allocation of Bond Debt Service Pay		\$	3,969,250	\$ 1,339,622	\$ 1	,196,729	\$ 1,432,899

Note: The difference between the budget and the payments is a result of the accrual method used for recognition of the interest expense for budgeting purposes in compliance with GASB 34.

## WESTERN TOWNSHIPS UTILITIES AUTHORITY ADDITIONAL DEBT SERVICE INFORMATION

		1
Future Debt Service Payments -	<ul> <li>Cash Flow Requirements after FY 20-21</li> </ul>	
· · · · · · · · · · · · · · · · · · ·		

	Township Payment Dates to WTUA	Total Payment Due	Canton Township	Northville Township	Plymouth Township
2012 Bond Issue	12/1/2021	3,681,875	1,242,633	1,110,085	1,329,157
(C 33.75%, N 30.15%, P 36.10%)	6/1/2022	99,500	33,581	29,999	35,920
	12/1/2022	4,079,500	1,376,831	1,229,969	1,472,700
		. ,			

**\$** 7,860,875 **\$** 2,653,045 **\$** 2,370,053 **\$** 2,837,777

#### WTUA Asset Management & Capital Improvement Plan WTUA Needs and Costs Analysis - Summary

#### Analysis Tools

Budget Category	Combined
Level of Service	Medium
Beginning Year of 20-yr Planning Period	2018

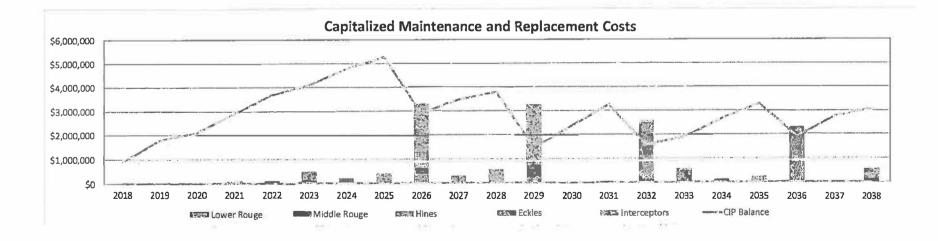
#### Interceptor Analysis Tools

Condition Rating Type	Maximum of Either :
A state of the sta	<ul> <li>Measure and a second sec</li></ul>
Risk Threshold	200 1

#### Level of Service Criteria

	13 - John William Man Mark and the	14 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	and a state lawy	
1.	less than (0 min.)	2	High	
	in between these limits		Medium	3
1	greater than (10 max.)	5	Low	-

Shaded cells may be manipulated on this sheet to a	alter analysis.	
The second	No Contraction of the st	
Spreadsheet password is whuasaw		
The projected allocations for the first 10 years	s (2018-2027) are a	s follows:
	Canton	37.32%
	Northville	35.11%
	Plymouth	27.57%
Lower Rouge PS		\$5,534,000
LOWCI KODGET 3		
Con 1. 12 1. 12	د 1949 - <sup>م</sup> ر ينيو يوني A. (منطاب من الجوريوني	\$2,530,000
Middle Rouge PS Hines PS	uergerigrichents a de 165 seen e gerigerigrichents meger ar 165 seen e	the state states
Middle Rouge PS	gergent (no stants A file of stants ) - nestry general anger at 10, s we by at - (), a general anger at 10, s we by at	\$2,530,000
Middle Rouge PS Hines PS	وه به	\$2,530,000



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## WTUA Asset Management & Capital Improvement Plan WTUA Needs and Costs Analysis - Funding Requirements

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800,	2019 000	2020 800,000 -	2021 800,000	2022 800,000	2023 800,000	2024 800,000	2025 800,000	2026 800,000	2027 800,000
	000			800,000		800,000	800,000	800,000	800,000
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								_	
53 296,5	253	296,253	296,253	296,253	296,253	296,253	296,253	296,253	296,253
43 321,	743	321,743	321,743	321,743	321,743	321,743	321,743	321,743	321,743
182,0	004	182,004	182,004	182,004	182,004	182,004	182,004	182,004	182,004
1	43 321,	43 321,743	43 321,743 321,743	43 321,743 321,743 321,743	43 321,743 321,743 321,743 321,743	43 321,743 321,743 321,743 321,743 321,743	43 321,743 321,743 321,743 321,743 321,743 321,743	43 321,743 321,743 321,743 321,743 321,743 321,743 321,743	43 321,743 321,743 321,743 321,743 321,743 321,743 321,743 321,743 321,743

O&M **Will be billed through Operations & Maintenance budget. Allocation	ons will vary and will be determined on a project basis
--------------------------------------------------------------------------	---------------------------------------------------------

Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Estimated Budget	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Planned Expenditures			12.1	-	-		-	1.0		-
Running Total		-			-		-			-
Combined										
Combined										
Combined Year	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
	2018 900,000	2019 900,000	2020 900,000	2021 900,000	2022 900,000	2023 900,000	2024 900,000	2025 900,000	2026 900,000	2027 900,000
Year										



## CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

## MEETING DATE: July 28, 2020

## **ITEM:** GLWA IPP Rules

<b>PRESENTER:</b>	Patrick J. Fellrath, Director of Public Services
	Kevin L. Bennett, Township Attorney

## **BACKGROUND:**

The Great Lakes Water Authority (GLWA) issued updated rules for its Industrial Pretreatment Program (IPP). Federal and State law requires municipalities that send wastewater flow to GLWA to adopt these rules.

GLWA's IPP regulates the discharge of commercial and industrial wastewater. GLWA's updated IPP rules replaces the former Detroit Water and Sewerage Department (DWSD) IWC/IPP rules, previously adopted by the Township.

The Township is required to pass the attached resolution adopting the updated IPP rules since certain areas located in the Township, as shown in Exhibit A of attached resolution and pursuant to sanitary sewer service agreement with City of Plymouth, WTUA and Wayne County, discharge wastewater flow to the GLWA sewer system.

## **ACTION REQUESTED:**

Adopt updated IPP Rules via attached Resolution

## BUDGET/ACCOUNT NUMBER: N/A

## **MODEL RESOLUTION:**

I move to approve Resolution # 2020-07-28-72, adopting the Great Lakes Water Authority Industrial Pretreatment Rules for purposes of certain areas within the Township, as shown in Exhibit A of Resolution.

ATTACHMENTS: Resolution

## STATE OF MICHIGAN COUNTY OF WAYNE CHARTER TOWNSHIP OF PLYMOUTH

## RESOLUTION TO CONCUR IN THE RULES AND REGULATIONS CONCERNING INDUSTRIAL PRETREATMENT PROGRAM AS ADOPTED BY THE GREAT LAKES WATER AUTHORITY FOR CERTAIN AREAS

## **RESOLUTION # 2020-07-28-72**

WHEREAS, the Great Lakes Water Authority ("GLWA") is a Michigan municipal authority and public body corporate organized and existing pursuant to the provisions of Michigan Public Act No. 233 of 1955, as amended, MCL 124.281, *et seq.* ("Act 233"), for the purpose of establishing a regional sewage disposal system to operate, control, and improve the sewage disposal system leased from the City of Detroit; and

WHEREAS, pursuant to Act 233, the City of Plymouth is a constituent municipality of the GLWA, which as confirmed by the 2020 Sanitary Sewer Service Agreement by and among City of Plymouth, Plymouth Township, Western Township Utilities Authority and Wayne County ("Sanitary Sewer Service Agreement"), as amended, supplies sanitary sewer services to certain property owners in Areas 102 and 103 ("Certain Areas") of Plymouth Township as shown in Exhibit A; and

WHEREAS, Plymouth Township as part of the Sanitary Sewer Service Agreement, as amended, has agreed that it shall be responsible for character of flow originating in Certain Areas, that it shall comply with County's Sewer Use Ordinance ("SUO") for purposes of these Certain Areas and that it will facilitate the administration and enforcement of industrial pretreatment and other requirements under the County's SUO in these Certain Areas; and

WHEREAS, pursuant to Act 233, GLWA and the constituent municipalities are required by state and federal law to adopt binding rules and regulations (Exhibit B, attached hereto and incorporated herein by reference) as part of an Industrial Pretreatment Program (IPP) in order to comply with all applicable state and federal law, including, without limitation, the requirements of the Federal Water Pollution Control Act, 33 USC Section 1251, et. seq. the General Pretreatment Regulations for Existing and New Sources of Pollution, 40 CFR 403, and the National Categorical Pretreatment Standards contained in 40 CFR Sections 405-471; and

WHEREAS, these rules and regulations were adopted by GLWA as a uniform code to; (1) regulate wastes and wastewaters discharged into the collection system for all participating municipalities; (2) prevent the introduction of pollutants into the wastewater system which will interfere with the operation of the system, contaminate the resulting sludge, or pose a hazard to the health, safety or welfare of the people, the communities or to employees of GLWA; (3) prevent the introduction of pollutants into the wastewater system which will pass inadequately treated through the system and into the receiving waters, the atmosphere, and the environment, or will otherwise be incompatible with the system; (4) provide for the recovery of costs from users of the wastewater collection system sufficient to administer regulatory activities and meet the costs of operation, maintenance, improvement and replacement of the system; and

WHEREAS, after a 45-day public comment period and public hearing, the Board of the GLWA approved the IPP Rules on November 13, 2019.

NOW THEREFORE BE IT RESOLVED that the governing body of Charter Township of Plymouth, in compliance with Act 233 and state and federal law, hereby concur in the IPP rules and regulations attached hereto as Exhibit B for purposes of Certain Areas; including any subsequent amendments thereto, which amendments, if any, shall not require the approval of this governing body; and

**BE IT FURTHER RESOLVED** that the adoption and approval of the rules and regulations contained in Exhibit B for purposes of Certain Areas shall be contractually binding on the parties, and no governing body of Charter Township of Plymouth shall be authorized or empowered to rescind or change the approval granted in this resolution without 180 days prior written notice to the GLWA.

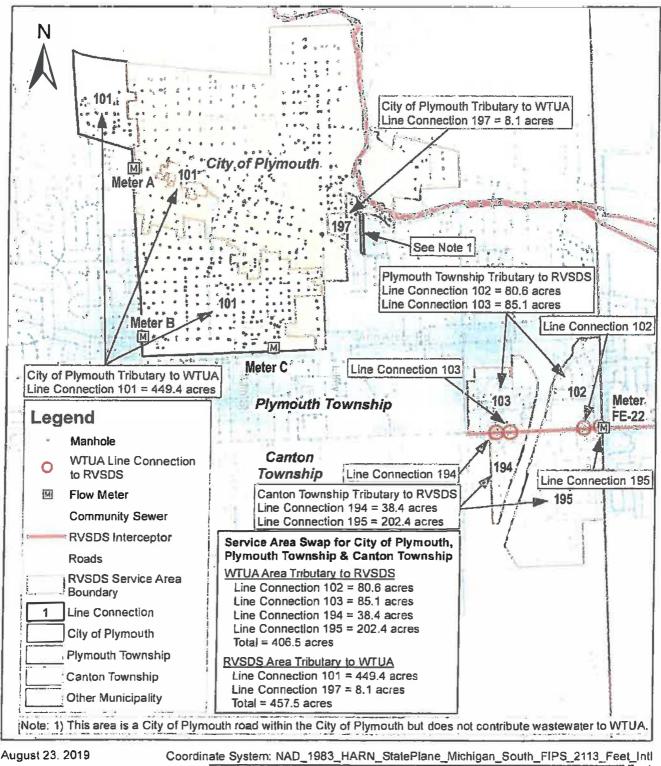
ON MOTION OF \_\_\_\_\_\_ SUPPORTED BY \_\_\_\_\_

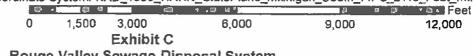
foregoing Resolution was adopted by the following vote:

**ROLL CALL:** 

\_\_\_\_Doroshewitz, \_\_\_\_Heise, \_\_\_\_, Heitman, \_\_\_Vorva, \_\_\_Clinton, \_\_\_Curmi<\_\_\_Dempsey

# **EXHIBIT A**

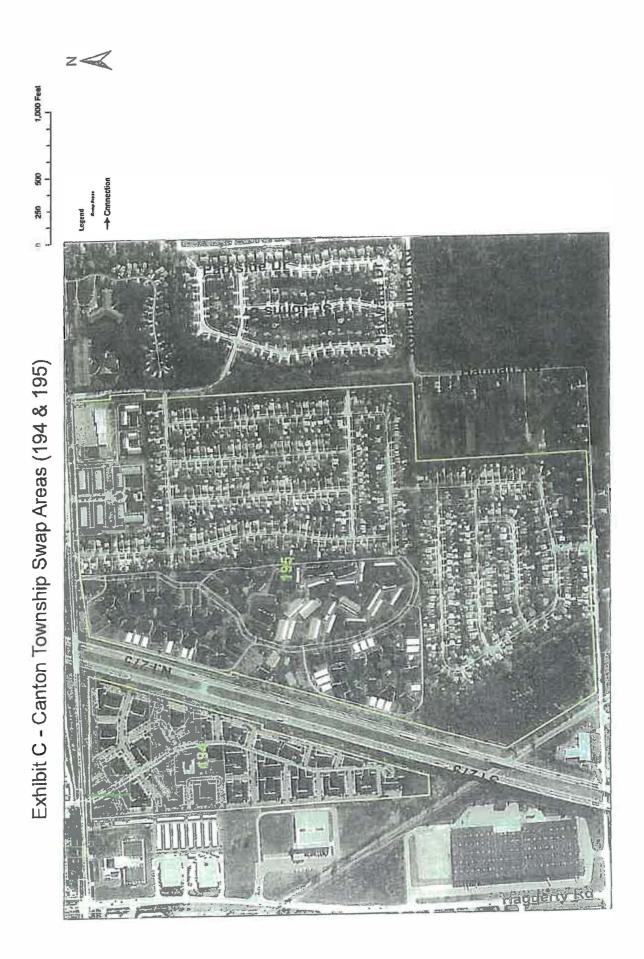




Rouge Valley Sewage Disposal System

Service Area Detail for City of Plymouth, Plymouth Township & Canton Township

Areas of the City of Plymouth Directly Connected to Western Townships Utilities Authority (WTUA) Areas of Plymouth Township & CantonTownship Directly Connected to Rouge Valley Sewage Disposal System (RVSDS)



## **EXHIBIT B**

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## TABLE OF CONTENTS

	Preamble	2
Chapter I	Definitions	3
Chapter II	Rules Governing Implementation, Administration and Enforcement of Industrial Pretreatment Program Requirements	13
Chapter III	Surcharge Program for High Strength Wastewater	60
Chapter IV	Septage and Hauled Wastes	74
Chapter V	Revenues to Support Regulatory Programs	77
Chapter VI	Flow Metering	80
Chapter VII	Rules Governing the Wastes and Wastewater from Environmental Remediation, Groundwater & Occasional or Special Waste Sources	83
Chapter VIII	Administrative Appeal Procedures	87

WHEREAS, the GREAT LAKES WATER AUTHORITY (the "GLWA"), a municipal authority and public body corporation organized and existing under and pursuant to the provisions of Act No. 233, Public Acts of Michigan, 1955, as amended ("Act 233"), for the purpose of establishing a regional Sewage Disposal System to operate, control, and improve the Sewage Disposal System leased from the City of Detroit;

WHEREAS, the GLWA has been incorporated for the purpose of, among other things, acquiring, owning, leasing, improving, enlarging, extending, financing, refinancing, and operating a sewage disposal system, including stormwater collection and treatment system, or combination of such systems.

WHEREAS, the GLWA promulgates these rules and regulations for the protection of the environment, the public health and safety by abating and preventing pollution through the regulation and control of the quantity and quality of sewage, industrial wastes, and other wastes admitted to or discharged into the sewerage systems, and sewage treatment facilities under the jurisdiction of the GLWA and enabling the GLWA to comply with all applicable state and federal laws required by the Federal Water Pollution Control Act, being 33 U.S.C. 1251, et. seq.; the General Pretreatment Regulations for Existing and New Sources of Pollution (40 CFR 403); and the National Categorical Pretreatment Standards at 40 CFR 405 – 471.

WHEREAS, the GLWA seeks to create a uniform code for the regulation of wastes and wastewaters discharged into the collection system for all participating municipalities; prevent the introduction of pollutants into the wastewater systems which will interfere with the operation of the system; contaminate the resulting sludge; would pose a hazard to the health or welfare and safety of people, their communities and to employees of the GLWA; prevent the introduction of pollutants into the wastewater system which will pass inadequately treated, through the system, into receiving waters, the atmosphere, the environment or otherwise be incompatible with the system; provide for the recovery of the costs from Users of the wastewater collection and treatment system sufficient to administer regulatory activities and meet the costs of the operation, maintenance, improvement or replacement of the system;

WHEREAS, the GLWA promulgates these rules and regulations to establish additional requirements and limitations for classes of wastewater originating from non-domestic sources, and those qualifying under one or more of the promulgated National Pretreatment Standards, establishes systems for authorizing and permitting wastewater discharges and the enforcement of the limitations and requirements stated herein.

NOW, THEREFORE, THE GREAT LAKES WATER AUTHORITY ENACTS THESE RULES AND REGULATIONS AS FOLLOWS IN CHAPTERS I – VIII:

#### **CHAPTER I - DEFINITIONS**

There are a number of regulatory phrases and terms which are used in these Rules and Regulations that warrant definition. The terms included in this Chapter apply to all successive chapters and rules that have been or may be developed by the Control Authority. Where applicable, the terms reference the applicable federal regulation. Terms that have not been listed and defined here have their standard and ordinary meaning.

The meaning of the terms used in these Rules and Regulations shall be as follows:

"Act", or "Clean Water Act" means the Federal Water Pollution Control Act as amended by the Clean Water Act of 1977 (Pub. L. 95-217), 33 U.S.C. 1251, et seq. It establishes responsibilities of Federal, State, and local government, industry and the public to implement National Pretreatment Standards to control pollutants which pass through or interfere with treatment processes in Publicly Owned Treatment Works ("POTWs") or which may contaminate sewage sludge.

"Administrator" means the Administrator of the USEPA.

#### "Authorized Representative" means:

(1) If the Industrial User is a corporation; (a) the president, vice-president, secretary, or treasurer of the corporation in charge of a principal business function, or any other person who performs similar policy or decision-making functions for the corporation; or (b) the manager of one or more manufacturing, production, or operation facilities employing more than two hundred fifty (250) persons or having gross annual sales or expenditures exceeding twenty-five million dollars (\$25,000,000.00) in second-quarter 1980 dollars, if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures; or

(2) If the Industrial User is a partnership or sole proprietorship: a general partner or proprietor respectively; or

(3) if the Industrial User is a Federal, State or local government facility: a director or highest official appointed or designated to oversee the operation and performance of activities of the government facility, or their designee.

The individual described in sub-paragraphs 1 through 3, above, may designate another duly-Authorized Representative if the authorization is in writing; the authorization specifies the individual or position responsible for the overall operation of the facility from which the discharge originates or having overall responsibility for the environmental matters for the company; and the written authorization is submitted to the GLWA.

**"Baseline Monitoring Report"** or **"BMR"** means the report containing information required by 40 CFR 403.12(b) from any Industrial Users subject to a Categorical Pretreatment Standard.

"Best Management Practice Plan" or "BMP" means schedules of activities, prohibitions of practices, Page 3 of 89 Version Date: 11/13/2019

maintenance procedures, and other management practices to implement the prohibitions listed in 40 CFR 403.5(a)(1) and (b). BMPs include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw materials storage.

"Biochemical Oxygen Demand" or "BOD" means the quantity of dissolved oxygen utilized in the biochemical oxidation of organic matter under standard laboratory procedure five (5) days at twenty (20) degrees centigrade expressed in terms of mass and concentration (milligrams per liter (mg/l)) as measured by standard methods.

"Board" means the Board of the Great Lakes Water Authority.

"Bypass" means the intentional diversion of wastestreams from any portion of an Industrial User's treatment facility.

"Categorical Significant Industrial User" or "CSIU" means a Significant Industrial User subject to a categorical pretreatment standard or a categorical standard.

"Categorical Pretreatment Standard" or "Categorical Standard" means any regulation containing pollutant discharge limits promulgated by EPA in accordance with sections 307(b) and (c) of the Act (33 U.S.C. 1317) that apply to a specific category of Industrial Users and that appear in 40 CFR Chapter I, Subchapter N, Parts 405-471.

"Centralized Waste Treatment Facility" or "CWT" means any facility that treats any hazardous or nonhazardous industrial waste received from off-site by tanker truck, trailer/roll-off bins, drums, barges, or any other forms of shipment including: a facility that treats industrial waste received exclusively from offsite; and a facility that treats industrial waste generated on-site as well as industrial waste received from off-site.

"Chief Compliance Officer" means the Chief Compliance Officer for GLWA or his/her designee.

"Chief Executive Officer" means the Chief Executive Officer of the GLWA, or his or her designee.

"Code of Federal Regulations" or "CFR" means the codification of the general and permanent rules published in the Federal Register by the executive departments and agencies of the United States Government.

"Collection System" means the sewers, pump stations, force mains, air release valves, vacuum release valves, flow meters, sampling equipment, regulators, and other appurtenant equipment or devices used to convey sewage to the Water Resource and Recovery Facility.

"Combined Wastestream Formula" means the formulae contained in 40 CFR 403.6(e) for calculating alternative concentration limits or alternative mass limits where regulated wastewater is mixed prior to treatment with unregulated and diluting wastewater; and necessary for determining compliance with categorical pretreatment standards.

"Control Authority" means the GLWA, upon being officially designated as such by the State of Michigan under the provisions of 40 CFR 403.11, and the persons included in the designation enumerated in Chapter II, Article I.

Page 4 of 89

#### Version Date: 11/13/2019

"Cooling Water" means the noncontact water discharged from any use, including but not limited to air conditioning, cooling or refrigeration, and whose only function is the exchange of heat.

**"Daily Maximum"** means the arithmetic average of all effluent samples for a pollutant collected during a 24-hour period used to represent a day.

"Daily Maximum Limit" means the maximum allowable discharge limit of a pollutant during a 24-hour period used to represent a day. Where Daily Maximum Limits are expressed in units of mass, the daily discharge is the total mass discharged over the course of the day. Where Daily Maximum Limits are expressed in terms of a concentration, the daily discharge is the arithmetic average measurement of the pollutant concentration derived from all measurements taken that day.

"Days" mean consecutive calendar days for the purpose of computing a period of time prescribed or allowed by these Rules.

"Direct Discharge" means the discharge of treated or untreated wastewater directly into the waters of the State of Michigan.

"**Discharger**" means a person who, directly or indirectly, with or without intent, contributes, causes, or permits wastewater to be discharged into the POTW by means of, but not limited to, pipes, conduits, pumping stations, ditches or tank trucks and all constructed devices and appliances appurtenant thereto.

"Domestic Sewage" means the liquid and water-carried waste and wastewater typically generated from humans or household operations which is discharged to, or otherwise enters, a treatment works from sanitary activities such as kitchens, bathrooms, lavatories and toilets.

"Domestic Strength of Sewage" means the pollutant and pollutant concentrations adopted by the Board for the purpose of representing waste and wastewater contributions from Domestic Sources for the Surcharge Program for High Strength Wastewater.

"Domestic Source" means residential dwellings including single family and multifamily (regardless of size) from which only domestic sewage is discharged.

"Environmental Remediation Wastewater" means wastewater in the form of leachate or wastewaters from clean-up actions pursuant to Comprehensive Environmental Response, Compensation, and Liability Act, or sites of leaking underground storage tanks which are discharged to and commingled with sewage and conveyed to the GLWA sewerage system.

"Existing Source" means any facility that is not a "New Source."

"Fats, Oils and Greases or "FOG" mean organic polar and non-polar compounds. Polar compounds are derived from animal and/or plant sources that contain multiple carbon chain triglyceride molecules. Organic non-polar fraction of oil and grease (petroleum hydrocarbons) is identified as Silica gel treated n-hexane extractable materials (SGT-HEM) in the pretreatment standards.

"Hazardous Waste" means any industrial waste, production residue, sewage or sludge which is classified as a hazardous waste pursuant to 40 CFR 261.

"High Strength Wastewater" includes any wastewater discharged from a User in excess of the

Page 5 of 89

Version Date: 11/13/2019

Domestic Strength of Sewage maximum level, and for which a Pollutant Surcharge has been developed and adopted.

"Michigan Department of Environment, Great Lakes, and Energy" or "EGLE" means the Agency of the State of Michigan responsible for Environmental Protection and designated by US EPA as the Approval Authority.

"Indirect discharge" means the discharge or the introduction of pollutants into the POTW from any nondomestic source regulated under 33 U.S.C. § 1317(b), (c) or (d).

"Industrial User" or "IU" means a User who is a source of indirect discharge.

"Industrial Waste" means the liquid and water-carried wastes and all solid, liquid or gaseous waste components thereof, resulting from any commercial, industrial, manufacturing, agricultural, trade or business operation or process or from the development, recovery or processing of natural resources, but does not include Domestic sewage.

"Industrial Waste Control Group" or "IWC" means the organizational group responsible for administration, implementation and enforcement of the Industrial Pretreatment Program, Surcharge r Program, Hauled Waste Program and similar regulatory programs on behalf of the Control Authority.

"Industrial Waste Control Operations Manager" means the Operations Manager of Industrial Waste of the Control Authority, and authorized staff of the Industrial Waste Control Group.

"Infiltration" means water entering a sewer system, including sewer service connections from the ground through such means as, but not limited to, defective pipes, porous pipes, pipe joints, connections or manhole walls. Infiltration does not include, and is distinguished from, inflow.

"Inflow" means water discharged into a sewer system, including service connections, from such sources as, but not limited to, roof leaders, cellars, yards, and area drains, foundation drains, cooling water discharges, drains from springs and swampy areas, manhole covers, cross connections from storm sewers and combined sewers, catch-basins, stormwater, surface run-off, street wash-waters, or drainage and river inflow. Inflow does not include, and is distinguished from, infiltration.

"Instantaneous Limit" means the maximum concentration of a pollutant allowed to be discharged at any time, determined from the analysis of any discrete or composited sample collected, independent of the industrial flow rate and the duration of the sampling event.

"Interference" means a discharge which, alone or in conjunction with a discharge or discharges from other sources, both: (i) inhibits or disrupts the POTW, its treatment processes or operations, or its sludge processes, use or disposal; and (ii) therefore is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation) or of the prevention of sewage sludge use or disposal in compliance with the following statutory provisions and regulations or permits issued thereunder (or more stringent state or local regulations): Section 405 of the Act, the Solid Waste Disposal Act ("SWDA") (including Title II, more commonly referred to as the Resource

Conservation and Recovery Act ("RCRA"), and including state regulations contained in any state sludge management plan prepared pursuant to Subtitle D of the SWDA, the Clean Air Act, the Toxic Substances Control Act, and the Marine Protection, Research and Sanctuaries Act.

"Member Community" means any county, township, city or village receiving wastewater services from the GLWA.

"Minor User" a User who does not meet the definition of a Significant Industrial User but is authorized to discharge to the POTW.

"Monthly Average" means the sum of all "daily discharges" measured during a calendar month divided by the number of "daily discharges" measured during that month.

"National Pretreatment Standard", "Pretreatment Standard" or "Standard" means any regulation containing pollutant discharge limits promulgated by the USEPA in accordance with Section 307 (b) and (c) of the Act, which applies to Industrial Users. This term includes prohibitive discharge limits established pursuant to 40 CFR 403.5.

"National Pollutant Discharge Elimination System" or "NPDES" means the permit and regulation system governing direct discharges into navigable waters administered by the EGLE and USEPA.

"New Source" means any building, structure, facility or installation from which there is or may be the discharge of pollutants, the construction of which is commenced after the publication of proposed regulations prescribing a standard of performance under Section 307(c) of the Act which will be applicable to such source if such standard is thereafter promulgated in accordance with section 307(c) of the Act.

"**Non-detect**" means the achievable laboratory testing quantification level for ascertaining the amount of a pollutant in a wastestream using analytical methods specified in or approved under 40 CFR 136, or pursuant to rules adopted by the EGLE or the USEPA.

"North American Industrial Classification System" or "NAICS" means a standard used by Federal statistical agencies to classify business establishments for the purpose of collecting, analyzing, and publishing statistical data related to the United States business economy, as developed by the Office of Management and Budget (OMB), and adopted in 1997 to replace the Standard Industrial Classification (SIC) system.

"Rules and Regulations" mean the Sewage and Waste Control Rules and Regulations of the Control Authority and any rules, regulations and orders adopted by the Board pertaining thereto.

"**Pass-through**" means a discharge which exits the POTW into waters of the United States in quantities or concentrations which, alone or in conjunction with a discharge or discharges from other sources, is a cause of a violation of any requirement of the POTW's NPDES permit (including an increase in the magnitude or duration of a violation).

"Person" means any individual, partnership, co-partnership, firm, company, corporation, association, joint venture, joint stock company, sole proprietorship, trust, estate, co-partnership, unit of government, school authority, or private corporation organized or existing under the laws of the State of Michigan or any other Page 7 of 89 Version Date: 11/13/2019

state or country.

"PFAS Compounds" mean the list of perfluoroalkyl and polyfluoroalkyl substances that the EGLE has identified as emerging contaminants; which includes: Perfluorotetradecanoic acid (PFTeA), Perfluorotridecanoic acid (PFTriA), Perfluorododecanoic acid (PFDoA), Perfluoroundecanoic acid (PFUnA), Perfluorodecanoic acid (PFDA), Perfluorononanoic acid (PFNA), Perfluoroctanoic acid (PFOA), Perfluorobeptanoic acid (PFDA), Perfluorohexanoic acid (PFNA), Perfluoropentanoic acid (PFPeA), Perfluorobutanoic acid (PFBA), Perfluorodecanesulfonic acid (PFDS), Perfluorononanesulfonic acid (PFNS), Perfluoroctanesulfonic acid (PFOS), Perfluorohexanesulfonic acid (PFHS), Perfluorobutanesulfonic acid (PFNS), Perfluoroctanesulfonic acid (PFOS), Perfluorobutanesulfonic acid (PFHS), Perfluorobutanesulfonic acid (PFDS), Perfluorobutanesulfonic acid (PFNS), Perfluoroctanesulfonic acid (PFOSA), Fluorotelomer sulphonic acid 8:2 (FtS 8:2), Fluorotelomer sulphonic acid 6:2 (FtS 6:2), Fluorotelomer sulphonic acid 4:2 (FtS 4:2), 2-(N-Ethylperfluoroctanesulfonamido) acetic acid (N-EtFOSAA), 2-(NMethylperfluoroctanesulfonamido) acetic acid (N-MeFOSAA); or as amended.

"**pH**" means the intensity of the acid or base condition of a solution, calculated by taking the negative baseten logarithm of the hydrogen ion activity. Activity is deemed to be equal to concentration in moles per liter.

"**Pollution**" means the man-made or man induced alteration of the chemical, physical, biological and radiological integrity of water.

"Pollutant Strength Level" means the concentrations of BOD, TSS, Phosphorus and FOG determined to be present in the wastewater discharged from a User and used to calculate the Surcharge for the High Strength Wastewater contributed by the User.

"**Phosphorus**" means the total concentration of all forms of organic and inorganic phosphorus compounds as measured by standard methods, expressed in mg/l.

"**Pretreatment**" means the reduction of the amount of pollutants, the elimination of pollutants, or the alteration of the nature of pollutant properties in wastewater prior to, or in lieu of, introducing such pollutants into a POTW. This reduction or alteration can be obtained by physical, chemical or biological processes; by process changes; or by other means, except by diluting the concentration of pollutants unless allowed by an applicable Pretreatment Standard.

"Pretreatment Requirements" means any substantive or procedural requirement related to pretreatment, other than a National Pretreatment Standard, imposed on an Industrial User.

"Process Wastewater" means any water which, during manufacturing or processing, comes into direct contact with or results from the production or use of any raw material, intermediate product, finished product, by-product or waste product.

"Publicly Owned Treatment Works" or "POTW" means a treatment works as defined by 33 U.S.C. 1292(2)(A) which is owned by a state or municipality, as defined in 33 U.S.C. 1362, including: Any devices and systems used in the storage, treatment, recycling, or reclamation of municipal sewage or industrial Page 8 of 89 Version Date: 11/13/2019

wastes of a liquid nature; or sewers, pipes and other conveyances only if they convey wastewater to a POTW treatment plant; or the municipality, as defined in 33 U.S.C. 1362, which has jurisdiction over the Indirect Discharges to and the discharges from such a treatment works. For these Rules and Regulations, POTWs include the Control Authority's wastewater facilities.

"Regulatory Activities" mean all programs and activities conducted by the Industrial Waste Control Group to meet its obligations under the NPDES Permit MI 0022802 and the Clean Water Act, and any rules adopted by the Board, including, but not limited to, an Industrial Pretreatment Program; Surcharge Program; Hauled Waste Program, Groundwater and Special Discharge Program.

"Septage" or "Septage Waste" means Domestic Sewage generated by sources without a direct connection to the sewerage system, including untreated and partially treated sewage solids, liquids, and sludge of human or domestic origin that is removed from a wastewater system for disposal through truck or other hauling.

"Sewerage System" means sewers, intercepting sewers, pipes or conduits, pumping stations, force mains, constructed drainage ditches, surface water intercepting ditches, and all other constructions, devices and appliances appurtenant thereto used for collecting or conducting sewage, industrial waste or other wastes to a point of treatment or ultimate disposal.

"Significant Noncompliance" means any Significant Industrial User who violates one (1) or more of the criteria of 40 CFR 403.8(f)(2)(viii)(a)-(h); or any Industrial User who violates one (1) or more of the criteria of 40 CFR 403.8(f)(2)(viii)(c), (d) or (h). (See Article XIII).

"Significant Industrial User" or "SIU" means any User who discharges to the POTW and which:

(1) Has an average discharge flow of twenty-five thousand (25,000) gallons per day or more of process wastewater excluding sanitary, boiler blowdown, and noncontact cooling water; or

- (2) Has discharges subject to the national categorical pretreatment standards; or
- (3) Requires pretreatment to comply with the specific pollutant limitations of these Rules; or

(4) Has in its discharge, toxic pollutants as defined pursuant to 33 U.S.C. 1317, or other applicable federal and state laws or regulations, that are in concentrations and volumes which are subject to regulation under these Rules as determined by the Control Authority; or

(5) Is required to obtain a permit for the treatment, storage or disposal of hazardous waste pursuant to regulations adopted by this state or adopted under the Federal Solid Waste Disposal Act, as amended by the Federal Resource Conservation and Recovery Act, as amended, and may or does contribute or allow waste or wastewater into the POTW including, but not limited to, leachate or runoff; or

(6) Is found by the Control Authority to have a reasonable potential for adverse effect, either singly or in combination with other contributing industries, on the POTW operation, the quality of sludge, the POTW's effluent quality, or air emission generated by the POTW.

"Sludge" means liquid and precipitated or suspended solid material therein contained, generated from the treatment of water, sewage, industrial waste or other wastes.

"Slug Discharge" means any discharge of a non-routine, episodic nature, including, but not limited to, an accidental spill or non-customary batch Discharge, which has a reasonable potential to cause interference, pass-through, or in any other way to cause a violation of the Rules and Regulations, local limits or Permit conditions.

"Standard Industrial Classification or "SIC" means a classification pursuant to the Standard Industrial Classification Manual issued by the Executive Office of the President, Office of Management and Budget, 1987, as amended.

"Standard Methods" means the Standard Methods for the Examination of Water and Wastewater, published by the American Public Health Association, and the version(s) approved for use by 40 CFR 136. "Storm Water" means any waste or wastewater occurring during or following any form of natural precipitation and resulting therefrom.

"Surcharge or Pollutant Surcharge" means a fee representing the cost of service determined by the Control Authority for each pollutant comprising Domestic Sewage, expressed in Dollars per pound (\$/lb.). "Total Suspended Solids" or "TSS" means the total suspended matter which floats on the surface of, or is suspended in, water, wastewater or other liquids, and is removable by laboratory filtration or as measured by standard methods.

"Total Phenolic Compounds" means the sum of the individual analytical results for each of the following phenolic compounds during any single sampling event: 2-Chorophenol, 4-Chlorophenol, 4-Chloro-3-methylphenol, 2,4-Dichlorophenol, 2,4-Dinitrophenol, 4-Methylphenol (p-cresol), and phenol.

**"Total Poly-Chlorinated Biphenyls"** or "**Total PCB**" means the sum of the individual analytical results for each of the following PCB aroclors 1016, 1221, 1232, 1242, 1248, 1254, and 1260 during any single sampling event with any aroclor result less than the quantification level, or non-detect, being numerically treated as zero.

"Toxic Pollutant" means any pollutant or combination of pollutants designated as toxic in regulations promulgated by the Administrator of the USEPA under the provisions of the Clean Water Act, being 33 U.S.C. 1317, or included in the Critical Materials Register promulgated by the EGLE, or by other federal or state laws, rules or regulations.

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with limits imposed under these Rules or with national categorical pretreatment standards due to factors beyond the reasonable control of the Industrial User but does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventative maintenance, or careless or improper operation.

"Users" or "Nondomestic User" or "Industrial User" means an industry, commercial establishment, or other entity that discharges wastewater to a publicly owned treatment works other than, or in addition to, sanitary sewage; and is a source of indirect discharge.

"United States Environmental Protection Agency" or "USEPA" means the Environmental Protection Agency of the United States Government and its designated agents.

"Wastewater Treatment Facilities" mean any method, construction, device, arrangement or appliance appurtenant thereto, installed for the purpose of treating, neutralizing, stabilizing, disinfecting, or disposing of sewage, industrial wastes or other wastes, or for the recovery of by-products from such sewage, industrial waste or other wastes and includes sewers, pipes and other conveyances if they convey wastewater to a POTW.

"Waters" mean all accumulations of water, surface and underground, natural or artificial, public or private or parts thereof which flow through the territory of the GLWA.

"Wastewater" or "Sewage" means the liquid and water-carried wastes of dwellings, commercial buildings, industrial facilities, and institutions, whether treated or untreated, which are contributed to or permitted to enter the POTW including Infiltration and Inflow water, Storm Water and Cooling Water.

"Wastewater Discharge Permits" mean a control mechanism issued by the Control Authority in accordance with these Rules specifying the Pretreatment Standards and Requirements, pollutant discharge limitations, reporting and monitoring requirements, and other conditions under which an Industrial User may discharge to the sewerage system.

"Wholesale Sewer Contract Customer" means any county, township, city or village that has contracted for sewerage services with the GLWA.

For purposes of these Rules, the following acronyms shall have the meanings designated by this section:

Term	Full Term Description	Term	Full Term Description
		EGLE	Michigan Department of
			Environment, Great Lakes, and
			Energy
BMP	Best Management Practice Plan		
BMR	Baseline monitoring report	mg/l	milligrams per liter
BOD	Biochemical Oxygen Demand	NPDES	National Pollutant Discharge
			Elimination System
CSIU	Categorical Significant Industrial		
	User		
CFR	Code of Federal Regulations	POTW	Publicly Owned Treatment Works
		RCRA	Resource Conservation and

#### Version Date: 11/13/2019

Recovery Act, being 42 U.S.C. §

				6901 et seq.)
FOG	Fats, Oils and Grease		SDP	Special Discharge Permit
GLWA	Great Lakes Water Au	ithority	SIU	Significant Industrial User
HIW	Hauled-in Waste		SNC	Significant Noncompliance
IWC	Industrial Waste Contr	rol	SWDA	Solid Waste Disposal Act, being 42
				U.S.C. § 6901 et seq.
IU	Industrial User		TSS	Total Suspended Solids
IPP	Industrial Pretreatmen	t Prog <b>ra</b> m		
USEPA	Environmental	Protection	ug/l	Micrograms per liter
	Agency			

## CHAPTER II – RULES GOVERNING IMPLEMENTATION, ADMINISTRATION AND ENFORCEMENT OF INDUSTRIAL PRETREATMENT PROGRAM REQUIREMENTS

The Board has adopted an Industrial Pretreatment Program and received approval from the State of Michigan for GLWA to be a Control Authority to implement, administer and enforce the program within the GLWA Service Area. The following rules have been adopted to describe a uniform means of carrying out the duties and obligations placed upon the GLWA as the Control Authority.

#### Article I CONTROL AUTHORITY RESPONSIBILITIES

The Board assigns and authorizes the Chief Executive Officer as the person responsible for carrying out the administration, duties, and enforcement responsibilities as the Control Authority, consistent with the intent of these rules.

#### Article II GENERAL SEWER USE REQUIREMENTS

#### Section II-201. Unlawful Discharges

It shall be unlawful for any Person to discharge Industrial Waste or Wastewater from non-Domestic Sources, directly or indirectly, into the Sewerage System, without authorization from the Control Authority; or to discharge any Wastewater in violation of the terms and conditions contained in these rules or contrary to any discharge authorization granted by the Control Authority.

#### Section II-202. Lawful Discharges

It is the duty of every Person seeking to lawfully discharge Sewage, Industrial Wastes, or other wastes or Wastewater of any kind directly or indirectly, into the Sewerage System to conform to the criteria or effluent quality standards established and/or adopted hereunder, and to seek authorization from the Control Authority in accordance with these rules; to comply with these rules, as amended from time to time; and to provide notice to the Control Authority of any substantial changes in the volume, quality, or character of their discharge.

a) Users and Minor Users who were previously authorized, whether by permit or a letter of authorization, by the Detroit Water and Sewerage Department in its prior capacity as the Control Authority, and have and are complying with such authorization, shall be deemed authorized by the GLWA, as the new Control Authority, until (i) a subsequent survey application, permit application or Baseline Monitoring report is filed with or requested by the GLWA; or (ii) a subsequent permit or a letter of authorization is issued by GLWA.

#### Section II-203. General Pollutant Prohibitions

No User shall discharge or cause to be discharged into the POTW, directly or indirectly, any pollutant or Page 13 of 89 Version Date: 11/13/2019

Wastewater which will cause Interference or Pass-through. These general discharge prohibitions shall apply to all Users of the POTW whether or not the User is subject to national categorical pretreatment standards or to any other federal, state, or local pretreatment standards or requirements. In addition, it shall be unlawful for any User to discharge into the POTW:

- a) Any liquid, solid or gas, which by reason of its nature or quantity, is sufficient either alone or by interaction with other substances to create a fire or explosion hazard or to be injurious in any other way to persons, to the POTW, or to the operations of the POTW. Pollutants, which create a fire or explosion hazard in a POTW, include, but are not limited to, wastestreams with a closed cup flash point of less than 140°F or 60°C using the test methods specified in 40 CFR 261.21; or
- b) Any solid or viscous substance in concentrations or quantities, which are sufficient to cause obstruction to the flow in a sewer or other encumbrances to the operation of the POTW, including, but not limited to, grease, animal guts or tissues, bones, hair, hides or fleshing, entrails, whole blood, feathers, ashes, cinders, sand, cement, spent lime, stone or marble dust, metal, glass, straw, shavings, grass clippings, rags, strings, fibers, spent grains, spent hops, wastepaper, wood, plastics, tar, asphalt residues, residues from refining or processing of fuel or lubricating oil, mud or glass grinding or polishing wastes, or tumbling and deburring stones; or
- c) Any Wastewater having a pH of less than 5.0 units or greater than 11.5 units; or
- d) Any Wastewater containing petroleum oil, non-biodegradable cutting oil, products of mineral oil origin, or toxic pollutants in sufficient concentration or quantity either singly or by interaction with other pollutants to cause Interference, or Pass through, or constitute a hazard to humans or animals; or
- e) Any liquid, gas, solid or form of energy, which either singly or by interaction with other waste is sufficient to create toxic gas, vapor, or fumes within the POTW in quantities that may cause acute worker health and safety problems, or may cause a public nuisance or hazard to life, or are sufficient to prevent entry into the sewers for their maintenance and repair; or
- f) Any noxious or malodorous liquids, gases, solids, or other Wastewater which, either singly or by interaction with other wastes, are sufficient to create a public nuisance or a hazard to life, or to prevent entry into the sewers for maintenance or repair; or
- g) Any substance which is sufficient to cause the POTW's effluent or any other product of the POTW, such as residue, sludge, or scum to be unsuitable for reclamation processing where the POTW is pursuing a reuse and reclamation program. In no case shall a substance discharged into the POTW cause the POTW to be in noncompliance with sludge use or disposal criteria guidelines or regulations developed under 33 U.S.C. 1345, with any criteria, guidelines, or developed and promulgated regulations affecting sludge use or disposal developed pursuant to the Solid Waste Disposal Act, the Federal Clean Air Act, the Federal Toxic Substances Control Act, or with state criteria applicable to the sludge management method being used; or

#### Version Date: 11/13/2019

- h) Any trucked or hauled pollutants, except at discharge points designated by the POTW and authorized by the Control Authority (see Chapter IV); or
- i) Any substance which will cause the POTW to violate the NPDES permit; or
- j) Any discharge having a color uncharacteristic of the wastewater being discharged; or
- k) Any wastewater having a temperature which will inhibit biological activity in the POTW treatment plant resulting in interference, but in no case wastewater with a temperature at the introduction into a public sewer which exceeds 150°F or which will cause the influent at the wastewater treatment facility to rise above 104°F (40°C); or
- 1) Any pollutant discharge which constitutes a Slug; or
- m) Any wastewater containing any radioactive wastes or isotopes of such half-life or concentration as may exceed limits established in compliance with applicable federal or state regulations; or
- n) Any floating FOG which are sufficient to create an obstruction in the collection system, cause interference with the collection system or pass through the POTW; or
- o) Any solid materials having a specific gravity greater than 1.2 or a cross section dimension of one-half
   (<sup>1</sup>/<sub>2</sub>) inch or greater which are sufficient to cause interference with the POTW; or
- p) Wastewater causing a reading on an explosion hazard meter at the point of discharge into the POTW, or at any point in the POTW, of more than 20 percent (20%) of the Lower Explosive Limit of the meter; or
- q) Any pollutant, including oxygen demanding pollutants (BOD, etc.) released in a Discharge at a flow rate and/or pollutant concentration which will cause interference with the POTW.

Section II-204. Specific Pollutant Discharge Limitations

- a) National Categorical Pretreatment Standards. All Industrial Users shall comply with the applicable National Categorical Pretreatment Standards and requirements promulgated pursuant to the Act as set forth in 40 CFR Subchapter N, Effluent Guidelines and Standards, which are hereby incorporated by reference and with all other applicable standards and requirements. Affected dischargers shall comply with applicable reporting requirements under 40 CFR Part 403 and as established by the Control Authority. The National Categorical Pretreatment Standards that have been promulgated as of the effective date of this section are delineated in Appendix A.
- b) Local Pollutant Discharge Limitations. The Control Authority has developed specific Local Pollutant Discharge Limitations to protect the sewage disposal system from (pollutant) Interference, Inhibition or Pass-through, and worker health & safety in accordance with 40 CFR 403.5(c), which are to be deemed as Pretreatment Standards pursuant to Section 307(d) of the Act. The following specific Local Pollutant Discharge Limitations are adopted, and shall be enforced by the Control Authority:

## 1) Compatible Pollutants:

Pollutant Name & Symbol	Daily Maximum Limitation (mg/l)
Biochemical Oxygen Demand (BOD)	10,000
Total Suspended Solids (TSS)	10,000
Fats, Oils, and Grease (FOG)	1,500
Total Phosphorus (P)	150

## 2) Metals

Pollutant Name & Symbol	Daily Maximum Limitation (mg/l)
Arsenic (As)	1.0
Cadmium (Cd)	3.0
Chromium (Cr)	25.0
Copper (Cu)	3.0
Cyanide, Amenable (CNA)	1.5
Lead (Pb)	1.0
Mercury (Hg)	0.01
Nickel (Ni)	5.0
Silver (Ag)	1.0
Zinc (Zn)	12.0

### 3) Organic Pollutants

Pollutant Name & Symbol	Daily Maximum Limitation (mg/l)
PCB, Total	Non-detect

## 4) Phenolic Compounds

- i) The limitation for Total Phenolic Compounds shall be 1 mg/l using the 4AAP method.
- ii) A Significant Industrial User may elect, in lieu of the limit for Total Phenolic Compounds specified in sub-paragraph i above, to substitute the specific limitations for the individual eight (8) phenolic compounds identified in the following table:

Pollutant Name & Symbol	Daily Maximum Limitation (mg/l)
2-Chlorophenol	8.0
4-Chlorophenol	8.0
4-Chloro-3-methylphenol	3.0
2,4-Dichlorophenol	6.0
2,4-Dinitrophenol	30
4-Methylphenol	40.0
Phenol	86

Upon written election, the wastewater discharge permit shall be modified to incorporate these substituted parameters and a Significant Industrial User shall be responsible for monitoring and reporting compliance with these parameters.

- c) Non-Detectable Limitations. For any pollutant parameter which has a Local Pollutant Discharge Limitation of Non-detect, a User will be in violation of the limitation when the measurement result exceeds by any magnitude the method detection level of the pollutant, using analytical methods authorized under 40 CFR 136, unless a higher level is appropriate because of demonstrated sample interference.
  - Total PCB shall not be discharged at detectable levels, based upon USEPA Method 608, and the quantification level shall not exceed 0.2 ugms/l, unless a higher level is appropriate because of demonstrated sample interference.

Any User may develop and implement a Best Management Practice Plan in accordance with Section II-1006 to demonstrate compliance with a Non-detect local pollutant discharge limitation

- d) Applicability of most stringent limitation. Where a National Categorical Pretreatment Standard includes a pollutant parameter that also has a Local Pollutant Discharge Limitation, the Control Authority shall apply the most stringent Daily Maximum limitation for that pollutant parameter in a permit issued to the discharger. Where a 4-day, monthly or 30-day limitation contained in a National Categorical Pretreatment Standard is greater than the Local Pollutant Discharge Limitation Daily Maximum limitation, the Control Authority shall apply the more stringent value as the applicable average.
- e) Development of Pollutant Discharge Limitations. The Control Authority may periodically review and re-evaluate new or existing wastewater pollutant discharge limitations in accordance with 40 CFR 403.5(c). The Control Authority reserves the right to establish additional or more stringent limitations or requirements on discharges to the POTW.
- f) Development of Pollutant Concentration and Mass limits. When limits in a categorical pretreatment standard are expressed only in terms of mass of pollutants per unit of production, the Control Authority may convert the limits to equivalent limitations expressed either as mass of pollutant discharged per day or effluent concentration for purposes of calculating effluent limitations applicable to individual Significant Industrial Users. Equivalent limitations shall be calculated in accordance with Sections 40 CFR 403.6(c)(3) and/or 40 CFR 6(c)(4) and shall be deemed pretreatment standards for the purposes of 33 USC 1317(d) and of these rules. Significant Industrial Users will be required to comply with the equivalent limitations in lieu of the promulgated categorical standards from which the equivalent limitations were derived.

#### Section II-205. Net/Gross Determinations

An Industrial User, subject to a Categorical Pretreatment Standard may obtain a net/gross adjustment to a Categorical Pretreatment Standard in accordance with the following paragraphs of this Section. Page 17 of 89 Version Date: 11/13/2019

- a) Categorical Pretreatment Standards may be adjusted to reflect the presence of pollutants in the Industrial User's intake water. Any Industrial User wishing to obtain credit for intake pollutants must make application to the Control Authority. Upon request of the Industrial User, the applicable Standard will be calculated on a "net" basis (i.e., adjusted to reflect credit for pollutants in the intake water) if the requirements of paragraph (2) of this Section are met.
- b) Criteria.
  - Either (i) the applicable Categorical Pretreatment Standards contained in 40 CFR subchapter N specifically provide that they shall be applied on a net basis; or (ii) the Industrial User demonstrates that the control system it proposes or uses to meet applicable categorical Pretreatment Standards would, if properly installed and operated, meet the Standards in the absence of pollutants in the intake waters.
  - 2) Credit for generic pollutants such as biochemical oxygen demand (BOD), Total Suspended Solids (TSS), and fats, oil and grease should not be granted unless the Industrial User demonstrates that the constituents of the generic measure in the Industrial User's effluent are substantially similar to the constituents of the generic measure in the intake water or unless appropriate additional limits are placed on process water pollutants either at the outfall or elsewhere.
  - 3) Credit shall be granted only to the extent necessary to meet the applicable Categorical Pretreatment Standard(s), up to a maximum value equal to the influent value. Additional monitoring may be necessary to determine eligibility for credits and compliance with Standard(s) adjusted under this Section.
  - 4) Credit shall be granted only if the Industrial User demonstrates that the intake water is drawn from the same body of water as that into which the POTW discharges. The Control Authority may waive this requirement if it finds that no environmental degradation will result.

Section II-206. Prohibition of Dilution

Except where expressly authorized to do so by an applicable Pretreatment Standard or Requirement, an Industrial User cannot increase the use of process water, or in any other way attempt to dilute prior to discharge as a partial or complete substitute for adequate pretreatment to achieve compliance with a discharge limitation unless expressly authorized by an applicable Pretreatment Standard or requirement. The Control Authority may impose mass limitations on Industrial Users who are using dilution to meet applicable Pretreatment Standards or Requirements, or in other cases when the imposition of mass limitations is appropriate.

#### Article III PRETREATMENT OF WASTEWATER

#### Section II-301. Pretreatment Facilities

a) Industrial Users shall provide Wastewater Treatment Facilities, as necessary, to comply with these rules

#### Page 18 of 89

and shall achieve compliance with all Categorical Pretreatment Standards, Local Pollutant Discharge Limitations, and other requirements of these rules within the time limitations specified by EPA, the State, or these rules. Any Wastewater Treatment Facilities necessary for compliance shall be provided, operated, and maintained at the Industrial User's expense. Detailed plans describing such Wastewater Treatment Facilities and operating procedures shall be submitted to the Control Authority for review, before such Wastewater Treatment Facilities are constructed. The Industrial User shall obtain any plan approvals required from any member community or Wholesale Sewer Contract Customer prior to submitting them to the Control Authority for review. The review of such plans and operating procedures shall in no way relieve the Industrial User from the responsibility of modifying such Wastewater Treatment Facilities, as necessary, to produce a discharge that will meet any Wastewater discharge permit, or necessary to comply with these rules.

- b) Additional Pretreatment Measures Whenever deemed necessary, the Control Authority may require Industrial Users through written notice, to restrict their discharge during peak flow periods, designate that certain Wastewater be discharged only into specific sewers, relocate and/or consolidate points of discharge, separate sewage wastestreams from industrial wastestreams, and such other conditions as may be necessary to protect the POTW and/or to determine the Industrial User's compliance with the requirements of these Rules and Regulations. This written notice shall state the reasons for the restriction and be incorporated into an individual Wastewater discharge permit, or equivalent control mechanism.
- c) As part of the Collection System and Combined Sewer Overflow Plans required by NPDES Permit MI0022802, the Control Authority may require any Person discharging into the POTW to install and maintain, on their property and at their expense, a suitable storage and flow-control facility to ensure equalization of flow. Before such action is taken, a written notice stating the reasons for the requirements shall be given to the User and incorporated into an individual Wastewater discharge permit or equivalent control mechanism. An individual Wastewater discharge permit, or equivalent control mechanism, may be issued solely for flow equalization.

Section II-302. Pretreatment Protection Requirements

- a) Protection from Flammable and Combustible Substances All Users who discharge wastewater containing a flammable and combustible substance shall install, operate and maintain a combustible gas monitoring system acceptable to the Control Authority which provides a method of early detection and recording of any discharge of a flammable or combustible substance so that preventive measures can be taken to avoid loss of life, damage to the Sewerage System, and/or damage to public and/or private property.
  - Flammable and combustible substances include, but are not limited to, gasoline, benzene, naptha, solvents, fuel oil; or any other liquid, solid, or gas that would cause or tend to cause flammable or explosive conditions to result in the Sewerage System.

- 2) Applicability: Petroleum refineries, gasoline storage and transfer facilities, and chemical manufacturing plants having a discharge of 25,000 gallons or more per day of process Wastewater per day shall be required to submit a plan and schedule to install and implement a combustible gas monitoring system, within ninety (90) days, and complete implementation of the plan and schedule within 6 months of these rules adoption or upon commencement of discharge,
- 3) The Control Authority may issue written notice to any User requiring the installation of a combustible gas monitoring system upon a finding of 15% or greater of the Lower Explosive Level (LEL) from the User's discharge to the POTW.
- 4) Specific requirements for a combustible gas monitoring system shall be included by the Control Authority in a Significant Industrial User's Wastewater discharge permit, and include the following basic requirements:
  - i. The system shall be continuous and fixed (permanent rather than portable) and shall be installed near the company's approved monitoring location (where applicable).
  - ii. The system shall have an indicator as well as an automatic continuous recorder capable of maintaining a permanent record of readings (i.e., chart recorder).
  - iii. The system shall be equipped with a two-stage alarm system that is adjustable. The upper alarm level must be set at 20% LEL (Lower Explosive Limit).
  - iv. The system shall be calibrated for methane detection.
  - v. The control unit for the combustible gas detection meter should be located where the alarm will be heard and acted upon promptly (i.e., control room)
- b) pH Monitoring Plan and Monitoring Requirement. All Significant Industrial Users, as specified below, who process acidic and/or caustic wastes and Wastewaters; or whose pH is adjusted on-site, whether done for operational or treatment purposes; shall (i) develop an approvable pH Monitoring plan, and (ii) install appropriate pH monitoring and recording devices.
  - pH Monitoring Plan In accordance with sub-paragraph 2) below, a pH monitoring Plan shall be provided within 90 days and complete implementation of the plan and schedule within 6 months of the adoption of these rules or included with a new permit application or Baseline Monitoring Report, which shall include the following:
    - i. A description of the location of the pH monitor(s)
    - Equipment specifications identifying the manufacturer & model of the (a) pH meter; (b) pH probe; (c) pH transmitter (if applicable); and (d) the pH recorder (chart, electronic, other)
    - iii. Maintenance procedures to be used for cleaning the pH monitoring system used, including the frequency of cleaning. A step by step description of the calibration procedure used shall be maintained by the SIU

- iv. Calibration procedure information including (a) whether the probe can or cannot be removed for calibration; (b) whether the direct or indirect method is used for calibration;
  (c) whether the pH meter is capable of temperature compensation; (d) the pH buffers (reagents) used; and (e) the frequency of meter calibration, with weekly (as a minimum)
- v. All records shall be retained for a minimum of three years and shall be made available to the Control Authority's representative upon request. A summary of records shall be provided with the six-month report to demonstrate compliance during the period. This may be submitted as a hard-copy or in electronic form.
- 2) pH Monitoring shall be provided by all Significant Industrial Users as follows:
  - The following Significant Industrial Users will provide a pH monitoring plan addressing continuous monitoring for pH consistent with USEPA method 150.2 using appropriate pH monitoring and recording devices:
    - a. All SIUs classified as a Centralized Waste Treatment facility in accordance with 40 CFR 437.
    - b. All SIUs who discharge 25,000 gpd or more of Wastewater and who process acidic and/or caustic wastes and Wastewaters; or whose pH is adjusted onsite, whether done for operational or treatment purposes.
  - ii. Significant Industrial Users who discharge less than 25,000 gpd of Wastewater will provide a pH Monitoring Plan and monitor for pH using appropriate pH monitoring and recording devices, which are representative of the period of discharge.
  - iii. The Control Authority may require any User to install pH monitoring upon finding pH levels below 5.0 or greater than 11.5, and by serving written notice to the User.
- 3) The pH monitoring plan shall be acknowledged within the Wastewater discharge permit for the SIU. The following criteria shall also be included in the permit:
  - i. No individual excursion from the range of pH values shall exceed 15 minutes.
  - ii. Where continuous pH monitoring is used, the maximum and minimum pH readings will be reported. Regardless of the number of pH measurements recorded for each day, only one violation per day shall be determined.
  - iii. A summary of pH monitoring records shall be provided with the six-month report to demonstrate compliance during the period. This may be submitted as a hard-copy or in electronic form.

## Section II-303. Protection from Accidental Discharges

- a) All Users shall provide protection from accidental discharge, spill or Slug discharge of materials prohibited by these rules, contained in any raw materials, chemicals and/or wastes kept on the premises.
- b) Users shall develop detailed plans against accidental discharge and/or spill discharge, and construct facilities, develop and implement measures reasonably necessary to avoid loss of life, damage to the

Sewerage System, and/or damage to public and/or private property. These shall be implemented, provided, and maintained at the owner's or User's cost or expense.

- c) At a minimum, plans against accidental discharge and/or spill discharge will be required when prohibited materials or substances are kept on the premises in a form which could readily be carried into the POTW; constitute a concentration of five (5%) percent or greater in the raw material, chemical solution or waste material; or are stored in volumes of more than fifty-five (55) gallons. Such plans shall include the following information:
  - Description of facilities and operating procedures to be implemented to provide protection against such accidental discharge, spill or slug discharge. Such facilities and measures to prevent and abate these discharges shall be implemented, provided, and maintained at the owner's or User's cost or expense.
  - 2) Provide the approximate average and maximum quantities of such prohibited materials or substances kept on the premises in the form of raw materials; chemicals and/or waste therefrom and the containment capacity for each.
  - 3) Identify facility contacts responsible for implementation and keeping the plan current.
  - 4) Include notification procedures and post such requirements advising employees whom to contact in the event of any accidental, spill or slug discharge.
  - 5) Include information on the secondary containment capacity available and the capacity available for containing rainfall or freeboard. Supporting calculations shall be maintained by the User and made available to the Control Authority upon request.
  - 6) Include a certification statement signed by the facility's Authorized Representative.
- d) Significant Industrial Users shall develop plans to control Slug discharges, as defined by 40 CFR 403.8(f)(2)(v). The Control Authority shall evaluate whether any Significant Industrial User is required to develop, modify or revise a slug discharge plan at a frequency of at least once every two (2) years.
- e) Existing Users who are required to develop any plan under sub-section b and/or c shall complete and submit such a plan within sixty (60) days of the effective date of these rules. Users who have previously filed such plans are not required to resubmit these plans unless the information has been revised or changed. New Users shall submit plans under sub-section b and/or c prior to the time they commence discharging.
- f) The User shall promptly notify the Control Authority of changes or modifications to the plan including, but not limited to, a change in the contact person(s), or substance inventory.
- g) The User shall immediately notify the Control Authority of any change at its facility affecting the potential for a Slug discharge.
- h) The Control Authority shall include as a requirement in a Wastewater discharge permit issued under these Rules, the development, revision and submittal of these plans described in sub-section b and/or c.

Page 22 of 89

## Article IV CLASSIFICATION OF WASTEWATER SOURCES

Section II-401. Specific Wastewater Source Classifications

- a) The Control Authority shall recognize the following specific Wastewater source classifications for purposes of these Rules:
  - 1) Septage and waste haulers.
  - 2) Groundwater sources and occasional or special waste sources.
  - 3) Grease, oil and solid sources; and
  - 4) Utility wastes and Wastewater.
- b) The Control Authority may establish additional Industrial User classifications where necessary to efficiently carry out the intent of these Rules, or to administer the requirements of these Rules on a defined Industrial User group.

Section II-402. Septage and Waste Haulers

- a) The Control Authority has developed a program for the regulation of Septage and hauled wastes that are authorized for treatment from non-point sources. The regulatory requirements for this program are more fully described in Chapter V of these rules.
- b) Domestic Sewage and Wastewater from recreational vehicles, individual portable toilets, and vessels and ships shall also be authorized in accordance with Chapter V of these rules.
- c) The Control Authority shall not accept any waste or wastewater at its POTW on 9300 West Jefferson delivered by truck, rail or dedicated pipeline, other than Septage Waste and the contents of domestic waste septic tanks, cesspools, seepage pits, sewage lift stations and portable toilets may be discharged to the Sewerage System by haulers authorized to unload such materials and subject to the requirements of the Chapter V rules.
- d) Hauled-in industrial wastes, other than described in paragraph b, shall not be discharged into the Sewerage System either directly or indirectly because of the risk potential to the well-being of the system and the receiving waters. Such wastes are to be disposed of in commercial facilities specializing in the reclamation, rendering, disposal, destruction or burial of non-hazardous, hazardous or potentially hazardous wastes.

Section II-403. Special Discharge Environmental Remediation, Groundwater Sources and Occasional or Special Waste Sources may not be discharged unless authorization has been granted by the Control Authority.

a) The Control Authority has developed a program for the regulation of Environmental Remediation, Groundwater Sources and Occasional or Special Waste Sources that are authorized for treatment from non-point sources. The regulatory requirements for this program are described in Chapter V of these rules.

Page 23 of 89

b) Special wastes and Wastewaters not described by subparagraph (a) above, may be authorized for discharge if they do not pose harm or risk of harm to the sewerage system as determined by the Control Authority in its reasonable discretion. Such wastes include, but are not limited to, spoiled beer, wine, milk or other beverages, non-hazardous waste materials, and water and Wastewater from tanks or vessels, ships, freighters or barges.

## Section II-404. Grease, Oil and Solids Interceptors

The contributions of FOGs and the discharge of solid or viscous pollutants can cause or contribute to obstructions in the POTW and collection system. The installation and maintenance of grease, oil, and solids interceptors can minimize these occurrences. The Control Authority will work with Member Communities and/or Wholesale Sewer Contract Customers to correct improper handling from sources found to cause or contribute to obstructions in the POTW and collection system.

- a) Grease, oil, and solids interceptors shall be provided when, in the opinion of the Control Authority, they are necessary for the proper handling of Wastewater containing excessive amounts of grease and oil, or solids; except that such interceptors shall not be required for Domestic Sources. All interception units shall be of a type and capacity acceptable to the User's Member Communities and/or Wholesale Sewer Contract Customers and the Control Authority.
- b) The Control Authority may require Users to provide records or other information concerning the inspection, cleaning and maintenance practices of the User.
- c) The Control Authority may require any User to install and/or repair, maintain and operate grease, oil, and solids interceptors when, in the opinion of the Control Authority, they are found to cause or contribute to obstructions in the POTW and collection system. The Control Authority shall notify the User of grease, oil and solids sources in writing of such requirement(s).
- d) All interception units shall be of a type and capacity acceptable to the local Health Department, community agency or Member Community, and the Control Authority. Such interceptors shall be regularly inspected, cleaned, and repaired by the User at their expense.

Section II-405. General Permits.

- a) The Control Authority may authorize the discharge of utility wastes and Wastewater resulting from maintenance and related activities of telephone, gas, steam, or electrical utilities, whether public or private, through the use of general permits. Subject to appropriate reporting requirements, the general permit shall authorize discharge in accordance with the terms of the permit.
- b) General Permits may be used by the Control Authority to carry out these rules, for Users other than Significant Industrial Users, to authorize the discharge from User's activities. General Permits shall authorize discharge in accordance with the terms of the permit and include appropriate reporting requirements.

## Article V REPORTING AND NOTIFICATION REQUIREMENTS

The Control Authority may require any User to provide any of the reports or notifications described within this section whenever there is a reasonable potential or actual finding.

## Section II-501. General Notification Requirements

- a) Notification requirements. Within one (1) hour of becoming aware of a discharge into the POTW which has the potential to cause, or does cause, the User to implement any accidental discharge, spill or Slug discharge, or to report the occurrence of an unanticipated by-pass or upset event, the User shall telephone the Control Authority at its System Control Center (313-267-6000), and notify the Control Authority of the discharge event.
  - The notification shall include the name of the caller, the location and time of discharge, the type of Wastewater, the estimated concentration of excessive or prohibited pollutants and estimated volume, and the measures taken, or being taken, to abate the discharge into the POTW.
  - 2) Within five (5) calendar days after the discharge, the User shall submit a detailed written report to the Control Authority describing the cause of the discharge and the measures to be taken by the User to prevent similar future occurrences and, when required by the Control Authority, the User's Wastewater discharge permit may be modified to include additional measures to prevent such future occurrences.
- b) Such notification shall not relieve the User of any expense, cost of treatment, loss damages or other liability which may be incurred as a result of, among other things, damage to the POTW, fish kills, or any other environmental impairment or any other damage to persons or property.
- c) Recovery of costs. Any User discharging in violation of any of the provisions of these rules, which produces a deposit or obstruction or causes damages to or impairs the POTW, or causes the Control Authority to violate its NPDES permit, shall be liable for any expense, loss, damage, penalty or fine incurred because of said violation or discharge. Prior to assessing such costs, the Control Authority shall notify the User of its determination that the User's discharge was the proximate cause of such damage, obstruction, impairment, or violation of the NPDES permit and the intent to assess such costs to the User. Any such notice shall include written documentation which substantiates the determination of proximate cause and a breakdown of cost estimates. Failure to pay the assessed costs shall constitute a violation of these rules. Such charge shall be in addition to, and not in lieu of, any penalties or remedies provided under these rules, or this Code, or other statutes and regulations, or at law or in equity.

## Section II-502. Specific Notification Requirements

a) All Users, whether required to have a Wastewater discharge permit, Authorization or not, shall notify the Control Authority at its System control center (313-267-6000) of any discharge or release that is contrary to the requirements of these rules.

b) The Control Authority may identify additional requirements for notice through a Wastewater discharge permit or authorization to discharge.

Section II-503. Hazardous Waste Notification

- a) All Industrial Users, who discharge into the Sewerage System, shall notify the Control Authority in writing of any discharge of a substance which, if otherwise disposed of, would be a hazardous waste as set forth in 40 CFR 261. Such notification must comply with the requirements of 40 CFR 403.12(p).
- b) At a minimum, any Significant Industrial User regulated under a Wastewater discharge permit issued by the Control Authority shall review their previous notification(s) and report any additions or other changes to the hazardous wastes discharged, in accordance with 40 CFR 403.12(j), to the POTW and provide the current information specified in paragraph (a) above at the time of seeking a Permit Renewal.
- c) This provision does not create a right to discharge any substance not otherwise permitted to be discharged by these rules, or any permit issued thereunder, or any applicable Federal or State law.

## Section II-504. Authorized Representative.

The Authorized Representative, or a duly Authorized Representative if applicable, shall sign and certify any survey, permit application or re-application, Baseline Monitoring Report, 90-day report, or periodic report or a request for reconsideration or appeal hearing. Other documents, responses or reports may be signed by any other agent as long as the agents name, role and any limitations of the agency, are made known to the Control Authority in writing.

Section II-505. Best Management Practice Plans and Pollution Prevention Plans

The Control Authority shall allow Users to develop and to implement Best Management Practice Plans and Pollution prevention plan initiatives as a partial response to non-compliance and incorporate such plans as an enforceable part of a Wastewater discharge permit. Upon demonstration of compliance, the User may request to be relieved of the Best Management Practice Plans and Pollution prevention implementation requirement.

## Section II-506. Centralized Waste Treatment Facility Requirements

A Centralized Waste Treatment Facility receive hazardous and non-hazardous materials for treatment and disposal through the local POTW and collection system.

- a) Any new or existing Industrial User who operates a Centralized Waste Treatment Facility as described by 40 CFR 437, Subpart D (Multiple Wastestream Subcategory), shall provide an Equivalent Treatment that satisfies the requirements of 40 CFR 437.2(h), and applicable certification statement to the Control Authority when applying for a new Wastewater discharge permit, when submitting its Baseline Monitoring Report, or when re-applying for a Wastewater discharge permit. The statement shall be certified by a professional engineer registered in the State of Michigan. The statement must be provided with the Baseline Monitoring Report, or Wastewater discharge permit application or reapplication form.
- b) Any new or existing Industrial User who operates a Centralized Waste Treatment Facility as described

Page 26 of 89

by 40 CFR 437, Subpart A, B or C shall provide a statement that the Centralized Waste Treatment Facility has treatment processes capable of treating the Wastewater received or collected by the Centralized Waste Treatment Facility, and necessary to meet the applicable discharge limitations. The statement shall be certified by a professional engineer registered in the State of Michigan. The statement must be provided with the Baseline Monitoring Report, or Wastewater discharge permit application or reapplication form.

- c) A Centralized Waste Treatment Facility granted a permit under this section shall provide supplemental information with the periodic reports required under section II-705, that includes the volume (in gallons) of Subpart A (metal bearing wastes), Subpart B (oily wastes), and Subpart C (organic bearing wastes) received each month, held in inventory or removed off-site each month, and discharged to the sewer system each month.
- d) A Centralized Waste Treatment Facility granted a permit under this section shall maintain records which, at a minimum, identify the source, volume, character, and constituents of the Wastewater accepted for treatment and disposal. These records may be reviewed at any time by the Control Authority.

## Article VI INSPECTION & MONITORING REQUIREMENTS

Section II-601. Right of Entry: Inspection and Monitoring.

- a) The Control Authority shall have the right to enter the premises of any User to determine through inspection and monitoring, whether that User is complying with all requirements of these rules; and any Wastewater discharge permit issued hereunder. Such rights shall also permit the Control Authority to collect independent samples at the facility and install and retrieve monitoring equipment and instrumentation. The Control Authority shall perform these activities at reasonable times, and in a reasonable manner.
- b) Users shall allow the Control Authority, or the Control Authority's representative, ready access to all parts of the premises for the purposes of inspection, sampling, records examination and copying, and the performance of any additional duties authorized by these rules. The Control Authority may access any easement, street or other public location without notice.
- c) Upon arrival at the User's premises, the Control Authority's representative shall notify and inform the User, or the User's employees, of their purpose. The Control Authority's representative shall bear proper credentials and identification, and at the User's option may be accompanied by a representative authorized by the User.
- d) Where a User has security measures in force, the User shall make prompt and necessary arrangements with the security personnel so that, upon presentation of appropriate credentials, the Control Authority's representative will be permitted to enter for the purposes of performing their specific responsibilities. The Control Authority shall neither refrain from, nor be prevented or delayed from, carrying-out its

inspection or sampling duties due to the unavailability of the Authorized Representative of the facility.

- e) While performing work on private property, the Control Authority shall observe all reasonable safety, security and other reasonable rules applicable to the premises as established by the User.
- f) Should the Control Authority require photographs of the User's facilities, the User shall be notified, provided a consent form, and provided with electronic or printed copies of any such photographs within 48 hours. If requested by the User, these may be transmitted electronically.
- g) Upon the request of the Control Authority, Users shall furnish access to information and records relating to discharges into the POTW. The User shall be notified, provided a consent form, and the Control Authority shall be permitted to photograph or copy such records.
- h) Noncompliance with this subsection shall be addressed in accordance with the enforcement authority available through Article X of these rules.

Section II-602. Inspection, sampling and record-keeping.

- a) Significant Industrial Users shall sample and analyze their discharge in accordance with the provisions of their permit. The Control Authority may require such samples to be split for the Control Authority's independent analysis.
- b) Significant Industrial Users shall maintain records of all information from monitoring activities required by these rules, or by 40 CFR 403.12(o), for no less than three (3) years. This period of record retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the Industrial User, or the operation of the Control Authority's Industrial Waste Program, or when requested by the Control Authority, by the State, or by the USEPA.
- c) In the event the Control Authority obtains samples, and analyses are made of such samples, a copy of the results of such analyses shall be promptly furnished upon written request by the Industrial User's Authorized Representative.
- d) When requested by the Industrial User, the Control Authority's representative shall leave with the Industrial User, a portion of any sample of the Industrial User's discharge taken from any sampling point on or adjacent to the premises for the Industrial User's independent analysis. Users must provide their own containers for receipt of such samples. Where the sampling protocol, e.g. grab-sampling, would affect the integrity of the sample, the User may be provided with a contemporaneously collected sample.
- e) In cases of disputes arising over shared samples, the portion taken and analyzed by the Control Authority shall be controlling unless proven invalid. The Industrial User may request a conference with the Control Authority to review and discuss the shared sample results in dispute, including pertinent supporting materials and documents. The Control Authority shall issue a written conference report following such discussion.

Section II-603. Sampling Plans

a) All Significant Industrial Users shall provide a sampling plan describing the manner and form intended Page 28 of 89 Version Date: 11/13/2019

for representative wastewater self-monitoring. At a minimum, the plan shall include:

- 1) A description of the sample collection method(s) based on grab, flow-proportional composite or time-proportional composite methods.
- Designate applicable requirements for batch and/or continuous discharges, including the release time.
- 3) If applicable, the sampler settings, such as pulse, time, sample volume; and
- 4) If applicable, the flow-measurement equipment.
- b) The sampling plan shall be submitted to the Control Authority and shall be implemented by the Significant Industrial User.

Section II-604. Sample Collection Methods

a) Users shall collect representative samples of the waste and Wastewater discharges using sampling procedures described by 40 CFR 403, Appendix E.

Except for samples for oil and grease, temperature, pH, cyanide, total phenols, sulfides, and volatile organic compounds, wastewater samples must be collected using 24-hour flow-proportional composite sampling techniques, unless time-proportional composite sampling or grab sampling is authorized by the Control Authority. A Significant Industrial User may request the use of time-proportional composite sampling or grab sampling rather than flow-proportional composite sampling by demonstrating that the use of time-proportional composite sampling or grab sampling composite sampling or grab sampling any statistical analysis submitted in support of the request.

- The Control Authority may authorize the use of alternative sampling methods, where such methods are representative of the Significant Industrial User's Discharge and shall document its decision in the SIU file.
- 2) If granted by the Control Authority, the authorization shall be limited to the duration of the Wastewater discharge permit. A Significant Industrial Users shall request re-authorization of a waiver request with any permit re-application form filed with the Control Authority. The Control Authority shall review any such request *de novo*.

Section II-605. Sampling & Monitoring Facilities

- a) All Significant Industrial Users, and any other Industrial User who discharge under an effective Wastewater discharge permit or other control mechanism, shall provide, operate, and maintain at their own expense a sampling and monitoring facility to enable the Control Authority to conduct such other monitoring and sampling as required for determining compliance. The sampling and monitoring facility include but is not limited to, a manhole or special structure to facilitate monitoring, inspection, sampling, and flow measurement of the facility's discharge, if applicable.
- b) Consistent with Section II-603(a), the Industrial User shall provide the following technical information to the Control Authority:

- 1) A drawing or sketch showing all sewer connections and sampling manholes by the size, location, elevation, and points or places of discharges into the POTW; and
- A flow schematic showing (i) the connections receiving each national categorical process wastestreams, (ii) connections receiving other process wastestreams, storm water, sanitary water or Cooling Water, and (iii) any conveying a combined wastestream; and
- 3) A sampling plan in accordance with section II-603 above.
- 4) Where flow-proportional composite sampling is performed on-site, information describing the Industrial User's flow monitoring instruments, including make and model number; recording devices used, including make and model number; and must include a non-resettable flow totalizer; and
- 5) Where flow-proportional composite sampling is performed on-site, the specific criteria for sampling is described in Chapter VI of these rules shall also be followed.
- c) In the event the Control Authority determines that the monitoring facility identified in the permit application is inadequate, or fails to include Wastewater regulated under these rules, a new monitoring facility must be identified, or provided by the Industrial User, which shall allow for collection of a representative sample of the Wastewater discharged from the facility, by serving written notice to the Industrial User.
- d) The sampling and monitoring facility should be situated on the Industrial User's premises in a location readily accessible to the Control Authority. There shall be ample room in or near such sampling or monitoring manhole or facility to allow accurate sampling and preparation of samples for analysis. The facility and any permanently installed sampling and measuring equipment shall be maintained at all times in a safe and proper operating condition at the expense of the Industrial User.
- e) When such a location would be impractical or cause undue hardship to the Industrial User, the Industrial User may seek approval for the facility to construct the sampling manhole in the public streets, or sidewalk area when there is room and the location will not be obstructed by landscaping or parked vehicles. It shall be the responsibility of the Industrial User to obtain any necessary approvals which may be required from other government entities for the location and construction of monitoring facilities. Whether constructed upon public or private property, the sampling and monitoring facilities shall be provided in accordance with all applicable local construction standards and specifications.
- f) The sampling and monitoring facility shall be properly operated, kept clean, and maintained in good working order at all times. The failure of an Industrial User to keep its monitoring facility in good working order shall be grounds for the Control Authority to issue a written finding that sample results are unrepresentative of the Industrial User's discharge.

## Article VII WASTEWATER DISCHARGE PERMITS & OTHER CONTROL MECHANISMS Section II-701. Survey, Permit Applications and Baseline Monitoring Reports

Page 30 of 89

- a) Duty to apply. No User may discharge Wastewater, other than Domestic Sewage, without receiving authorization from the Control Authority. Any new or existing User who has not obtained authorization for discharge shall comply with the following:
  - 1) Any new or existing User, who does not have an effective Wastewater discharge permit but meets the definition of a Significant Industrial User after the effective date of these rules, is required to submit a complete permit application in accordance with Section II-703, to the Control Authority and obtain a Wastewater discharge permit for its discharge. The permit application must be provided by a new User at least ninety (90) days prior to the commencement of any discharge; or for an existing User (as of the effective date of these rules), within thirty (30) days of the effective date of these rules. A failure to apply is a violation of these rules.
  - Any new or existing Industrial User who performs an operation covered by a National Pretreatment Standard shall file a Baseline Monitoring Report in accordance with Section II-702 to the Control Authority and obtain authorization for its discharge.
  - All other new or existing Users discharging Wastewater, other than Domestic Sewage and Cooling Water, must file a survey application and receive authorization from the Control Authority for its discharge.
  - 4) Users who have previously filed a survey, permit application, or Baseline Monitoring Report with the Detroit Water & Sewerage Department or GLWA prior to the effective date of these rules and have received an effective Wastewater Discharge Permit or Letter of Authorization, are not required to resubmit their survey, permit application, or Baseline Monitoring Report.
- b) The Control Authority may require any User to complete a survey or permit application to determine whether the User is a Significant Industrial User or is subject to other regulatory requirements (described in Chapter III, IV, or VII). Users shall comply within thirty (30) days of receiving written notice. Failure of the Control Authority to so notify a User, shall not relieve the User of its duty to obtain a wastewater discharge permit as required by these rules.
- c) Upon receipt of any survey, permit application, or Baseline Monitoring Report, the Control Authority shall notify the User that:
  - The User is not authorized to discharge. The notice will be in writing and shall indicate what additional information, pretreatment facilities, monitoring facilities or other requirements are necessary for authorization.
  - 2) The User is a Significant Industrial User and is authorized to discharge, conditioned upon issuance of a Wastewater discharge permit or other control mechanism; or
  - 3) The User is not a Significant Industrial User and is authorized to discharge as a Minor User under a Wastewater authorization letter.
- Section II-702. Baseline Monitoring Report Requirements
- a) Within one hundred eighty (180) days after the effective date of a Categorical Pretreatment Standard, Page 31 of 89 Version Date: 11/13/2019

or one hundred eighty (180) days after the final administrative decision made upon a category determination submission under Section 40 CFR 403.6(a)(4), whichever is later, existing Industrial Users subject to such Categorical Pretreatment Standards and currently discharging into or scheduled to discharge into the POTW, shall submit to the Control Authority, a report containing the information listed in 40 CFR 403.12(b)(1-7).

- b) At least ninety (90) days before commencement of any discharge, each new source and any existing sources that become Industrial Users after the promulgation of an applicable Categorical Pretreatment Standard, shall submit to the Control Authority, a report which contains the information listed in 40 CFR 403.12(b)(1-5). In such report, new sources shall include information concerning the method of pretreatment that the source intends to use to meet applicable Categorical Pretreatment Standards. New sources shall provide estimates of the information requested in 40 CFR 403.12(b)(4) and (5).
- c) The USEPA has established regulations at 40 CFR 405 through 471, National Categorical Pretreatment Standards applicable to specific industrial activities. The Control Authority adopts these by reference, as listed in Appendix A, of these rules.
  - Any Industrial User subject to a National Categorical Pretreatment Standard, or any Industrial User who becomes subject to a new or revised National Categorical Pretreatment Standard, shall apply for a Wastewater discharge permit within ninety (90) days after the promulgation of the applicable National Categorical Pretreatment Standard, unless an earlier date is specified or required by 40 CFR 403.12(b).
  - 2) The Control Authority may require any Industrial User to complete a Baseline Monitoring Report to determine whether the Industrial User performs an operation described by a National Categorical Pretreatment Standard. The Industrial User shall provide information demonstrating that it does not perform an operation described by a National Categorical Pretreatment Standard or provide a Baseline Monitoring report within thirty (30) days of being so notified.
  - 3) New Sources. Industrial Users who meet the New Sources criteria shall install, maintain in operating condition, and "startup" all Pollution control equipment required to meet applicable Categorical Pretreatment Standards and requirements before beginning to discharge. Within the shortest feasible time and not to exceed ninety (90) days, new sources must meet all applicable Categorical Pretreatment Standards.

## Section II-703. Contents of Survey or Permit Application

- a) In support of a survey, permit application or re-application, the User shall submit, in units and terms appropriate for evaluation, the following information:
  - 1) Corporate or individual name, any assumed name(s), address, and location of the discharging facility.
  - 2) Name and title of the Authorized Representative of the User who shall have the authority to bind the User financially and legally. Where the Authorized Representative is represented by an agent,

Page 32 of 89

the authorized representative shall also identify the agent and any applicable limitations or restrictions of their agency.

- 3) The Standard Industrial Classification codes of all processes at this location according to the Standard Industrial Classification manual, issued by the Executive Office of the President, Office of Management and Budget, 1987, or the equivalent based upon the North American Industrial Classification System (NAICS), as amended.
- 4) Actual or proposed Wastewater constituents and characteristics for each parameter listed in the permit application form. At a minimum, such parameters shall include the applicable Categorical Pretreatment Standards from any applicable National Categorical Pretreatment Standard or any pollutant parameter for which there is a local Pollution discharge limitation; and any other toxic pollutants known or suspected to be present in the discharge, regulated in the previous permit, or specifically requested by the Control Authority. For each parameter, the expected or experienced maximum and average concentrations during a one (1) year period shall be provided.
- 5) For industries subject to National Categorical Pretreatment Standards, the data requested herein shall be separately shown for each categorical process wastestream. Combined wastestreams proposed to be regulated by the combined wastestream formula shall also be identified. Sampling and analysis shall be performed in accordance with procedures established by the USEPA pursuant to 33 U.S.C. 1314(g) and contained in 40 CFR 136, as amended. Where 40 CFR 136 does not include sampling or analytical techniques for the pollutants in question, sampling and analysis shall be performed using validated analytical methods approved by the administrator.
- 6) A listing and description of activities, facilities and plant processes on the premises, and the pollutants associated with each process. Those processes, which are subject to National Categorical Pretreatment Standards, shall be so designated.
- 7) A listing of raw materials and chemicals which are either used in the manufacturing process or could yield pollutants requiring pretreatment prior to discharge to the Sewerage System. Any User claiming immunity from having to provide such information for reasons of national security shall furnish acceptable proof of such immunity.
- 8) A description of typical daily and weekly operating cycles for each process in terms of starting and ending times for each of the seven (7) days of the week.
- 9) Information on the average and maximum twenty-four (24) hour wastewater flow rate based on actual measurements, or estimated and the means of estimation, of (i) each process wastestream subject to a National Categorical Pretreatment Standard, (ii) each process wastestream not subject to a National Categorical Pretreatment Standard, (iii) non-process wastestreams including but not limited to Cooling Water, sanitary water, or any other Wastewater. This information shall include any applicable daily, monthly or seasonal variations for each wastestream.
- 10) Each combined wastestream, specifying the flow rate of regulated, unregulated and diluting Page 33 of 89 Version Date: 11/13/2019

wastestreams.

- 11) A drawing showing all sewer connections and sampling manholes by the size, location, elevation and points or places of discharges into the POTW; also a flow schematic showing which connections receive each national categorical process wastestream and which connections receive Storm Water, sanitary water or Cooling Water; also show which lines handle each combined wastestream;
- 12) The rate of production as pertains to processes subject to production-based limits under the National Categorical Pretreatment Standards.
- 13) A statement regarding whether or not the requirements of these rules and of the National Categorical Pretreatment Standards and requirements are being met on a consistent basis and, if not, what additional operation and maintenance work and/or additional construction is required for the Industrial User to meet the applicable standards and requirements. This statement shall be reviewed and signed by the Authorized Representative and, as appropriate, certified by a qualified professional.
- 14) Basic information on the program for the prevention of accidental discharges.
- 15) Proposed or actual hours of operation of each pretreatment system for each production process.
- 16) A schematic and description of each pretreatment facility which identifies whether each pretreatment facility is of the batch type or continuous process type.
- 17) The source of any intake water if other than through the GLWA and the basis for measurement.
- 18) The volume of any discharge water other than potable water obtained through any source and the basis of measurement.
- 19) If additional construction and/or operation and maintenance procedures will be required to meet the requirements of these rules and the National Categorical Pretreatment Standards, the shortest schedule by which the Industrial User will provide such additional construction and/or implement the required operation and maintenance procedures.
- 20) Identify whether the Industrial User has conducted a waste minimization assessment or audit of its operations in order to identify all feasible source reduction and recycling practices that may be employed to reduce or eliminate the generation of pollutants and other wastes at the facility; and
- Any other information as may reasonably be required to prepare and process a Wastewater discharge permit.

## Section II-704. Permit Issuance

Upon receipt of any survey, permit application, or Baseline Monitoring Report, the Control Authority shall review the information and advise the User of:

- a) The User does not meet the definition of a Significant Industrial User and is authorized to discharge as a Minor User under a Wastewater authorization letter; or
- b) The User meets the definition of a Significant Industrial User and is authorized to discharge under a Page 34 of 89 Version Date: 11/13/2019

Wastewater discharge permit or other control mechanism; or

- c) The User meets the definition of a Significant Industrial User and is conditionally authorized to discharge under an administrative order including schedules for additional information, pretreatment facilities, monitoring facilities or other requirements are necessary for processing a Wastewater discharge permit; or
- d) The User is not authorized to discharge. The Control Authority may withhold issuance of a permit to a Significant Industrial User, which has not submitted an adequate or timely report, or permit application, to the control authority in accordance with the reporting requirements of 40 CFR 403.12, or whose discharge is in violation of these rules. The failure of the Industrial User to cease discharging following notification shall be considered a violation of these rules.
- e) Procedure for Permit Issuance. Only one (1) facility location shall be included in each permit. If the Control Authority determines that the User meets the definition of a Significant Industrial User, is required to have a Wastewater discharge permit, and has evaluated and accepted the data furnished, the Significant Industrial User will be notified by U.S. mail, using certified mail.
  - Draft Wastewater Discharge Permit. The notification shall contain a copy of the draft permit, so marked, for review. A Significant Industrial User has thirty (30) days from the date of mailing to file comments and/or a response to the draft permit. The Control Authority will evaluate the comments and response to the draft permit and consider them for inclusion in a final Wastewater discharge permit.
  - 2) Final Wastewater Discharge Permit. Following expiration of the thirty (30) day comment period, or consideration of any comments or responses made, the Control Authority shall prepare a Final Wastewater discharge permit. The Final Wastewater discharge permit will be transmitted by U.S. Mail. The Significant Industrial User has twenty (20) days from the date of mailing to file a request for reconsideration and/or appeal hearing in accordance with Chapter VIII. During the appeal process, the SIU will comply with all uncontested terms or conditions which shall be in full force and effect. Upon disposition of any contested terms or conditions, the Wastewater discharge permit shall be issued as final.

## Section II-705. Types and Contents of Wastewater Discharge Permits

- a) The Control Authority shall develop Wastewater discharge permit formats meeting the needs of Significant Industrial Users as well as the special Wastewater sources discharging to the Sewerage System. Such formats include, but are not limited to, general permits for multiple location facilities, special discharge permits, and unloading permits for hauled-in wastes and Wastewater.
- b) Every Wastewater discharge permit shall contain all requirements of 40 CFR 403.8(f)(1)(iii) and shall be deemed to incorporate all provisions of these rules, other applicable laws, rules, regulations, and charges and fees established by the Control Authority without repetition therein.
- c) A Wastewater discharge permit may also contain the following:

Page 35 of 89

- The Wastewater discharge permit shall specify the wastes and Wastewaters which the Control Authority authorizes an Industrial User to discharge to the Sewerage System; and identify any wastes or Wastewater for which the request to discharge is denied; and the wastes and Wastewater requiring imposition of special conditions in order to comply with the permit.
- 2) Limits on the average and maximum Wastewater constituents or characteristics which are equivalent, more restrictive than, or supplemental to the numeric limits enumerated in these rules, or the applicable National Categorical Pretreatment Standards.
  - i. Limits on average, and/or maximum rate and time of discharge or requirements for flow regulation and equalization.
  - ii. Limits on the average volume, and/or maximum volume of Wastewater that is authorized for discharge. The ratio of average to maximum volume shall not exceed three (3), except where seasonal variations of the average and/or maximum volume are noted in the permit.
  - iii. Requirements for installation, operation, and maintenance of discharge sampling manholes and monitoring facilities by the Significant Industrial User.
  - iv. Restrictions on which of the Significant Industrial User's discharge wastestreams are to be allowed to be discharged at each point of connection to the POTW.
  - v. Specifications for Significant Industrial User monitoring programs which may include sampling locations, frequency and type of sampling, number, types and standards for tests and reporting schedules.
  - vi. Requirements for the prevention of accidental discharges and the containment of spills or Slug discharges.
  - vii. Restrictions based on the information furnished in the application.
  - viii. Additional reporting requirements:
    - a. All permittees shall submit a report on the form prescribed by the Control Authority, or on an alternative form approved by the Control Authority, indicating the status of compliance with all conditions enumerated or referred to in the Wastewater discharge permit, or made applicable to the permit by these rules. Unless required more frequently, the reports shall be submitted on a periodic basis (generally six months), on a schedule to be established by the Control Authority. Analytical data generated by the Control Authority shall not be submitted in lieu of the facility's own self-monitoring data as required by the Wastewater discharge permit.
    - b. The report shall show the concentration of each substance for which there is a specific limitation in the permit. The report will include all calculations necessary to demonstrate compliance with any 4-day, 30-day or monthly average, or mass limitation that may be included in the permit.
    - c. Permittees subject to National Categorical Pretreatment Standards shall submit

compliance reports at the times and intervals specified by federal regulations and by the Control Authority. A compliance report shall be submitted to the Control Authority no later than ninety (90) days following the final compliance date for a National Categorical Pretreatment Standard, or in the case of a New Source, no later than ninety (90) days, following commencement of the introduction of wastewater into the POTW, and in accordance with 40 CFR 403.12(d).

A ninety (90) day report shall also be provided where the facility's treatment system(s) are upgraded, modified or replaced so as to demonstrate compliance with applicable limitations.

- d. A report on continued compliance shall be submitted at six-month intervals thereafter on the schedule established by the Control Authority and incorporated into the Significant Industrial User's discharge permit. The reports shall be either on a form prescribed by the Control Authority or on an alternative form approved by the Control Authority, and shall indicate the nature and concentration of all pollutants in the discharge from each regulated process which are limited by National Categorical Pretreatment Standards, or which there is a specific limitation in the permit, or which may be identified by the Control Authority. The report shall include a record of measured or estimated average and maximum daily flows for the reporting period for the discharges regulated by the permit. The combined wastestream formula may be used for reporting purposes after the initial information has been furnished to the Control Authority, provided there have been no changes to the elements composing the combined wastestream.
- e. Reports shall contain the results of representative sampling performed during the period covered by the report and of the discharge and analysis of pollutants contained therein, and, for Significant Industrial Users subject to production based standards, shall be cross-referenced to the related flow or production and mass as required to determine compliance with the applicable pretreatment standards. The frequency of monitoring shall be as prescribed in the applicable general pretreatment regulations, being 40 CFR 403, or by the Control Authority, but no less than is necessary to assess and assure compliance by the Significant Industrial User with the most stringent applicable pretreatment standards and requirements. All sampling and analysis shall be performed in accordance with applicable regulations contained in 40 CFR 136 and amendments thereto. Where 40 CFR 136 does not include sampling or analytical techniques for the pollutants in question, sampling and analysis shall be performed using validated analytical methods approved by the Administrator.
- f. If any Significant Industrial User monitors any pollutant more frequently than

required by the Control Authority, collects the sample(s) at monitoring locations specified in the wastewater discharge permit, and analyzes such samples using approved analytical procedures, the results of this monitoring shall be included in such report.

- g. The report shall state whether the applicable pretreatment standards are being met on a consistent basis and, if not, what additional operation and maintenance practices and/or pretreatment system improvements or changes are necessary to bring the Significant Industrial User into compliance with the applicable pretreatment standards.
- h. All Significant Industrial Users shall include the following certification statement with the periodic (six-month) report: "I certify under penalty of law that this document and all attachments were prepared under my direction, or supervision, in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and/or imprisonment for knowing violations." Said certification shall be signed by the facility's Authorized Representative. If an authorization is no longer accurate because a different individual or position has responsibility for the overall operation of the facility, or overall responsibility for environmental matters for the company, a new authorization satisfying the requirements of the Authorized Representative must be submitted to the Control Authority prior to, or together with, any reports to be signed by an Authorized Representative.
- 1. If sampling performed by a permittee indicates a violation, the Significant Industrial User shall notify the Control Authority within twenty-four (24) hours of the time said Significant Industrial User knows, or should have known, of the violation. In addition, the Significant Industrial User shall repeat the sampling and analysis, and submit the results of the repeat analysis to the Control Authority within thirty (30) days after said Industrial User becomes, or should have become, aware of the violation in accordance with its Wastewater discharge permit.
- d) In the event the Control Authority determines that any Significant Industrial User is discharging substances in quality, quantity or at locations which may cause problems to the POTW, or the receiving stream, the Control Authority has the authority to develop and enforce effluent limits applicable to the Significant Industrial User. To the extent the Control Authority seeks to impose restrictions in a permit

which are more restrictive than established in these rules, the Control Authority shall provide written documentation to explain its rational basis for the greater restriction, or protection against pass through, interference, or violation of the NPDES permit, to the Significant Industrial User;

- e) Requirement for pollution prevention plan initiatives or Best Management Practice Plans; and
- f) Other requirements reasonably necessary to ensure compliance with these rules.

Section II-706. Permit Duration, Notification of Changed Conditions, Modification and Transfer

- a) Permit duration. Any permit issued by the Control Authority shall be issued for a specified time period, but in no case shall a permit have a term greater than five (5) years. The effective date and the expiration date shall be included in every permit issued by the Control Authority.
- b) Notification of Changed Conditions. It is the duty of each Significant Industrial User to promptly notify the Control Authority of (i) material or substantial changes to its facility or operation, (ii) substantial change in the volume of Wastewater discharged, or (iii) changes in the characteristics of its effluent, including the listed or characteristic Hazardous Wastes for which initial notification under 40 CFR 403.12(p) has been made. The Significant Industrial User shall notify the Control Authority by filing a completed permit application form at least thirty (30) calendar days prior to the change identifying the changes and including supporting documentation. The Control Authority will evaluate the permit application in accordance with sub-paragraph (d) below. The failure of the Significant Industrial User to so apply shall be considered a violation of these rules.
- c) Finding of Changed Conditions. Where the Control Authority finds or discovers (i) material or substantial changes to a Significant Industrial User's facility or operation, (ii) substantial change in the volume of Wastewater discharged, or (iii) changes in the characteristics of its effluent, including the listed or characteristic Hazardous Wastes for which initial notification under 40 CFR 403.12(p), it shall require the Significant Industrial User to provide a permit application and supporting documentation within 30 days. The Control Authority will evaluate the permit application in accordance with sub-paragraph (d) below. The failure of the Significant Industrial User to so apply shall be considered a violation of these rules.
- d) Permit modification. The terms and conditions of the permit may be subject to modification and amendment by the Control Authority during the term of the permit. The modification may be based upon information provided by the Significant Industrial User or discovered by the Control Authority, which includes:
  - 1) A permit application provided in accordance with Section II-706. Sub-paragraph b or c.
  - 2) Changes in the monitoring location or method of sampling.
  - 3) Typographical errors or omissions discovered in permits.
  - Amendments or changes to the limitations or pretreatment standards and requirements identified in Section II-204.
  - 5) Material or substantial changes to a Significant Industrial User's facility or operation, or changes

Page 39 of 89

in the characteristics of its effluent.

- 6) A Significant Industrial User's noncompliance with portions of an existing permit.
- 7) A finding of interference or pass through attributable to the Significant Industrial User.
- 8) A change of conditions within the POTW.
- 9) Embodiment of the provisions of a legal settlement or of a court order.
- 10) Change(s) in the Control Authority's NPDES permit.
- 11) Any changes necessary to fulfill the Control Authority's role under federal or state law.
- 12) Amendments to, or promulgation of, national categorical pretreatment standards or requirements including 40 CFR 403 and those delineated in Appendix A of these rules.
- e) Permit modification Procedure. The Control Authority shall inform the Significant Industrial User of any proposed change in its permit. The Control Authority will issue a draft permit using certified mail and provide the Significant Industrial User thirty (30) days to file a response to the draft modified permit. Thereafter, the Control Authority will issue a final permit and, unless appealed, the permit will become effective twenty (20) days after issuance.
- f) Permit custody and transfer. Wastewater discharge permits are issued to a specific person as defined herein for a specific discharge. A Wastewater discharge permit shall not be reassigned or transferred or sold to a different person, new owner, new Significant Industrial User, different premises, or a new or changed operation without notice to and written approval of the Control Authority and providing a copy of the existing permit to the new owner or operator. It shall be the permit holder's duty to notify the Control Authority of any such change at least thirty (30) days before the date of the change. Wastewater discharge permits, which do not receive the written approval of the Control Authority prior to the change, shall be null and void regardless of reassignment, or transfer, or sale. If it determines that an unreported change has occurred, the Control Authority may revoke a permit. If a change takes place, the Control Authority may require the application for a new or modified permit. Any succeeding person shall comply with the terms and conditions of any existing permit which the Control Authority allows to be retained.

## Section II-707. Permit Re-application.

A Significant Industrial Users whose Wastewater discharge permit is expiring apply for reissuance of the permit by submitting a complete permit re-application form a minimum of ninety (90) days prior to the expiration date of its existing permit. The permit re-application form shall include all information specified in Section II-703, which includes, but is not limited to, updates and re-certification of the spill or Slug control plans, updates to the 40 CFR 403.12(p) Hazardous Waste notifications, and for a Centralized Waste Treatment Facility, the current equivalent treatment study or treatment statement in accordance with Section II-506. The evaluation and review of a permit re-application by the Control Authority will be *de novo*, and in accordance with Section II-705.

a) Where a Significant Industrial Users has submitted a complete and timely re-application form, the Page 40 of 89 Version Date: 11/13/2019

existing permit shall be automatically extended until a permit is issued as final by the Control Authority.

- b) Where a Significant Industrial Users has not submitted a complete or timely re-application form, the Control Authority may issue an administrative order authorizing the discharge for a period not to exceed six (6) months.
- c) Where a Significant Industrial Users fails to submit a permit re-application, or submits the reapplication after the permit expiration date, the Wastewater discharge permit will be expired as of the date specified in the permit. The failure of the Significant Industrial Users to so apply shall be considered a violation of these rules.

## Article VIII SIGNIFICANT INDUSTRIAL USER REQUESTS

## Section II-801: Periodic Compliance Reporting Frequency

- a) Significant Industrial Users may request modification and an offset of the time period included in their periodic compliance report. Example, where a Significant Industrial User is required to submit data on the discharge for a six-month period of January through June, or July through December, the Significant Industrial User may request an offset period of December through May and June through November.
- b) The Control Authority may authorize the modifications requested by the Significant Industrial User as long as it does not violate any federal or state requirement, or court order. When authorized, the Wastewater discharge permit or permit addendum shall be issued by the Control Authority.

## Section II-802. Electronic Reporting

The Control Authority may choose to receive electronic documents and notices described in these rules, upon satisfaction of the electronic reporting requirements of 40 CFR 3. The Control Authority will notify Users if electronic (digital) documents can be accepted in accordance with 40 CFR 3, and the specific requirements for submission of such documents. Users that send electronic (digital) documents must satisfy the specific requirements of the Control Authority.

## Article IX. PUBLIC INFORMATION AND CONFIDENTIAL INFORMATION

Section II-901. Public information

- a) All information and data on any User obtained from a User or created by the Control Authority, from any written reports, questionnaires, permit applications, permits and monitoring programs, and from inspections, or any other sources shall be available to the public or other governmental agencies without restriction unless the User specifically requests and is able to demonstrate that the release of such information would divulge information, processes, or methods of production entitled to protection as confidential information under State law.
- b) Any person may request the above information in accordance with the written procedures and guidelines of the Control Authority found at www.glwater.org.

Section II-902. Confidential information

Page 41 of 89

- a) A User claiming a submission contains confidential information must assert such claim at the time of submission of the information or data; and demonstrate that such information should be held confidential or disclosure would pose a risk to trade secrets or secret processes and mark the information and documentation accordingly. The Control Authority's Office of General Counsel shall determine whether the information requested is to be treated as confidential information and provide their decision in writing.
- b) Where the User has demonstrated that confidential information is present in the submission, those portions of the report shall not be made available for inspection by the public, but shall be made available immediately upon request to governmental agencies for uses related to the NPDES program or pretreatment program, and in enforcement proceedings involving the person furnishing the report.
- c) Wastewater constituents and characteristics and other effluent data, as defined at 40 CFR 2.302, shall not be recognized as confidential information and shall be available to the public without restriction.
- d) A User may appeal the decision of the Control Authority's Office of General Counsel in accordance with the Michigan Freedom of Information Act.

## Article X ENFORCEMENT

## Section II-1001. Enforcement Response Guide

The Control Authority has developed an enforcement response guide to include a range of enforcement responses available to the Control Authority to effectively enforce the terms and conditions of its rules. The Control Authority shall implement the industrial pretreatment program and enforce these rules in accordance with the enforcement response guide approved by the EGLE.

The Control Authority, using information provided by a User or independently collected by the Control Authority's representative, shall identify any User violating these rules and initiate the remedies enumerated in the enforcement response guide to abate the violation and/or restore the User to a compliant condition through administrative and judicial enforcement remedies authorized by these rules.

Section II-1002. Test of Good Faith Effort

The Control Authority may consider the good faith of a User as a factor in determining the enforcement response(s) to invoke to an incident of noncompliance. The good faith of a User may be established by considering the cooperation and efforts made by a User in achieving and maintaining compliance with these rules; and in the promptness with which a User responds to resolution of an incident of noncompliance. If the User appears to be acting in good faith to comply with the rules, the Control Authority may choose an enforcement action on a more conciliatory level than if the User does not appear to be acting in good faith to comply with the rules.

## Section II-1003. Violations

a) Violations shall include any act or conduct by a User that includes:

1) The failure of a User to provide a permit application, Baseline Monitoring Report or other

application form for any discharge of Wastewater to the Sewerage System prior to the commencement of discharge, whether from a new or existing source.

- 2) The failure of a User to completely and/or accurately report the Wastewater constituents and/or characteristics of the User's discharge.
- The failure to report significant changes in the User's operations or Wastewater constituents and/or characteristics within the time frames provided in Section II-706 (b) of these rules.
- The failure or refusal to grant reasonable access to the User's premises, waste discharge, or sample location for the purpose of inspection or monitoring.
- 5) Restricting, locking out or preventing, directly or indirectly, access to any monitoring facilities constructed on public or private property. The locking or securing of the monitoring facility shall not constitute a violation pursuant to this subsection, provided, that upon request, reasonable access to the facility is promptly provided to the Control Authority representatives.
- 6) Restricting, interfering, tampering with, or rendering inaccurate any of the Control Authority's monitoring devices including, but not limited to, samplers.
- 7) Failing to obtain a Wastewater discharge permit prior to discharging Wastewater to the POTW.
- 8) Failing to comply with any condition or requirement of the User's Wastewater discharge permit, or other control mechanism.
- 9) Failing to provide notification of any self-monitoring violation, accidental release, or other notice required under these rules.
- 10) Failing to comply with any limitation, prohibition, or requirement of these rules, or order issued hereunder. Users acting in full compliance with wastewater discharge permits issued prior to the effective date of these rules shall be deemed to be in compliance with the requirements of these rules, and such permits shall remain in effect and be enforceable under these rules until a superseding permit is effective.
- 11) Users shall comply with applicable National Categorical Pretreatment Standards on the date specified in the Federal Regulations regardless of compliance schedules.

Section II-1004. Administrative Enforcement Actions

The Control Authority shall initiate the appropriate administrative enforcement action, except in the case of an emergency or a flagrant violation, in order to compel the User to eliminate or to remedy such violation as soon as possible. These administrative enforcement actions include:

a) Notice of Violation - The Control Authority shall take care to enforce these rules and use reasonable efforts of on-site inspections, records review and independent authority monitoring, to identify violations of the rules. Except in the case of an actual or threatened discharge as specified in sub-paragraph (g) of this section, whenever the Control Authority has reason to believe that any User has violated or is violating these rules, whether as an individual event or pattern, the Control Authority shall serve a written notice upon such User, stating the nature of the violation including its date, time

and place, and the action and/or response required from the User.

b) Issuance of Citation of Violation – The Control Authority is authorized to enforce these rules and issue a citation ticket to any person or User who is reasonably believed to have violated these rules. The following fines are authorized for inclusion with the citation:

Violation Type	Criteria	Event	Within a Calendar Year (per violation)	
			First Violation	Succeeding Violation
Reporting Violation	>45 days after specified due date	Any occurrence	\$ 250.00	\$ 500.00
Notification Violation	>24 hrs. beyond specified time	Any occurrence	\$ 100.00	\$ 250.00
Effluent Violation	Pollutant parameter exceeds applicable TRC (See Article XII)	Daily Maximum	\$ 100.00	\$ 250.00
Effluent Violation	Pollutant parameter exceeds applicable TRC (See Article XII)	Monthly Average	\$ 250.00	\$ 500.00
Effluent Violation	Pollutant parameter exceeds applicable chronic criteria (See Article XII)	Daily Maximum	\$ 250.00	\$ 500.00
Effluent Violation	Pollutant parameter exceeds applicable chronic criteria (See Article XII)	Monthly Average	\$ 500.00	\$ 1,000.00
Effluent Violation	Stipulated penalty as part of administrative enforcement	Daily Maximum	\$ 250.00	\$ 500.00
Effluent Violation	Stipulated penalty as part of administrative enforcement	Monthly Average	\$ 500.00	\$ 1,000.00

The Citation shall be in writing and shall specify the date, time and violation alleged, signed by the Control Authority and be served on the Authorized Representative in person or by certified mail. The User may appeal any written citation under the reconsideration and appeal procedures of these rules.

- c) Conferences The Control Authority may order any person, who violates these rules, to attend a conference wherein the Control Authority may endeavor to establish a program wherein the User agrees to eliminate or remedy the violation pursuant to an enforceable compliance schedule. Any notice of violation ordering attendance to a conference, shall be served at least ten (10) days before the scheduled conference and shall set forth the date, time, and place thereof. The conference shall be conducted by the Control Authority or its designated representative. The User may present a plan and schedule for achieving compliance with these rules. Nothing contained herein shall require the Control Authority to accept or agree to any proposed plan or schedule, or to prevent the Control Authority from proceeding with a show cause hearing as set forth in subsection (4) of this section. If the attendees agree upon a compliance schedule, the User and the Control Authority may enter, by consent, into a compliance agreement or an administrative order setting forth the terms of such agreement. A User must exhibit good faith and expeditious efforts to comply with these rules and any procedures, requirements, and agreements hereunder.
- d) Compliance schedules The User and the Control Authority may agree upon a schedule which sets forth the terms and conditions, and time periods or schedules for completion of actions to remedy or to eliminate the causes of violation. These schedules may be developed as part of a conference compliance agreement, or administrative consent order. Schedules developed under this subsection shall adhere to the following conditions:
  - 1) The schedule shall contain increments of progress in the form of dates for the commencement and completion of major events leading to the construction and operation of upgraded or additional pretreatment facilities, or to the implementation of additional operation and maintenance procedures required for the User to meet the applicable pretreatment requirements and standards including, but not limited to, hiring an engineer, completing preliminary plans, completing final plans, executing contracts for major components, commencing construction, and completing construction;
  - 2) No single increment referred to in subsection (1) of this section shall exceed nine (9) months.
  - 3) Not later than fourteen (14) days following each date in the schedule and the final date for compliance, the User shall submit a progress report to the Control Authority including, at a minimum, whether it has complied with the increment of progress to be met on such date and, if not, the date which it expects to comply with this increment of progress, the reason(s) for delay, and the steps being taken by the User to return to the established schedule; and
  - 4) Any deviation from the compliance schedule may result in the User being found in violation of these rules or being recommended for an escalated enforcement action.

Page 45 of 89

- e) Administrative orders The Control Authority may order any User, who violates or continues to violate these rules or duly issued permit, to install and to properly operate devices, treatment facilities, or other related appurtenances. In addition, orders may contain such other requirements as might reasonably be necessary and appropriate to address the violation including the installation of pretreatment technology, additional self-monitoring and management practices, implementation of a waste minimization assessment to identify and implement feasible source reduction, and recycling practices to reduce the generation or release of pollutants at the facility. An order may be either an administrative consent order, which is the result of an agreement, or a unilateral administrative order.
- f) Show cause hearing Where a conference, compliance agreement or administrative order has not been effective in remedying the violation(s), or are deemed an inadequate response to an actual or threatened discharge to the POTW, the Control Authority may order any User who violates these rules or allows such violation to occur, to show cause why a proposed enforcement action should not be taken.

A notice shall be served upon the User specifying the time and place of a hearing regarding the violation, and the reason(s) why the show cause action and proposed enforcement action is being taken. The notice of the hearing shall be served personally, or by, registered or certified mail with return receipt requested, at least ten (10) days before the hearing. Service shall be made upon the Authorized Representative, or to its agent.

- Hearing proceeding. The hearing shall be conducted by the Control Authority's Chief Compliance Officer or his/her designee, who shall serve as hearing officer and conduct the show cause hearing and take the evidence, and may:
  - i) Issue notices of hearing requesting the attendance and testimony of witnesses and the production of evidence relevant to any matter involved in such hearing.
  - ii) Prepare a report of the evidence and hearing, including transcripts and other evidence.
  - iii) Transcript. At any show cause hearing held pursuant to these rules, testimony shall be recorded by a court reporter.
- Actions. After a show cause hearing has been conducted, the hearings officer shall issue an order directing any of the following actions:
  - i) A finding that the User has demonstrated by a preponderance of the evidence that the violation(s) contained within the show cause notice did not occur.
  - ii) A finding that the User has failed to demonstrate by a preponderance of the evidence that the violation(s) contained within the show cause notice did not occur, and that the following additional actions are required.
  - iii) Immediate compliance with the User's Wastewater discharge permit and/or control mechanism; or with any applicable limitation, condition, restriction or requirement of these rules, or applicable local, state or federal law or regulation.
  - iv) Pretreatment of wastes and Wastewater by installation of adequate treatment equipment,

monitoring facilities, or proper operation and maintenance of existing treatment equipment be accomplished within a specified time period.

- v) Submission of periodic reports on effluent quality and quantity determined by selfmonitoring analysis throughout the final period set by a compliance date.
- vi) Control of discharge quantities or volumes.
- vii) Payment of costs for reasonable and necessary inspection, monitoring, and administration of the User's activities by the Control Authority during compliance efforts; and/or
- viii) Any such other orders as are appropriate including, but not limited to, immediate termination of sewer or wastewater treatment services, revocation of a wastewater discharge permit, or orders directing that following a specified time period sewer or Wastewater treatment service will be discontinued unless adequate treatment facilities, devices, or operation and maintenance practices have been employed;
- ix) The User may appeal the decision of the hearing officer in accordance with Chapter VIII.
- g) Emergency suspensions and orders The Control Authority may order suspension of the sewer or Wastewater treatment service and/or a wastewater discharge permit where, in its opinion, such suspension is necessary to stop any actual or threatened discharge which presents or may present an imminent or significant hazard to the health or welfare of persons or to the environment, interferes or may interfere with the POTW, or causes or may cause the Control Authority to violate any condition of its NPDES permit. Any person notified of a suspension of the sewer or wastewater treatment service and/or the wastewater discharge permit shall immediately stop or eliminate the contribution.
  - 1) In the event the Control Authority provides verbal notification under this section, written confirmation providing a detailed written statement from the Control Authority and the basis of its findings in support of its order to suspend contributions by the User, within twenty-four (24) hours of such action, and include the specific recourse available to the User. In any event, the written confirmation order shall provide the User with an opportunity for a hearing before the Control Authority, or its designated representative, within ten (10) days of such action. The User shall submit a detailed written statement at the hearing describing the causes of the harmful contribution and the measures taken to prevent any future occurrence, or, if the hearing has been waived, a report describing the causes of the harmful contribution and the measures taken to prevent any future occurrence shall be provided to the Control Authority within fifteen (15) days of the written confirmation order. Upon proof of elimination of the noncomplying discharge, the Control Authority shall reinstate the Wastewater discharge permit and/or the sewer or Wastewater treatment service.
  - 2) In the event of a failure of the person to comply voluntarily with any suspension or revocation order, the Control Authority shall take such judicial enforcement actions as deemed necessary, including immediate severance of the sewer connection or services, to prevent or minimize

damage to the POTW system or danger to any individual or the environment.

3) Where the Control Authority has issued a show cause order, or hearing decision in paragraph (g)(1) above, calling for the suspension of the sewer or Wastewater treatment service and/or a wastewater discharge permit, and where the Control Authority has not reinstated the wastewater discharge permit and/or the sewer or wastewater treatment service, the User may exercise the appeal provision in Chapter VIII. The Show Cause order and the hearing transcript and report shall substitute for the Reconsideration statement requirement of Chapter VIII of these rules.

## Section II-1005. Judicial Enforcement Actions

Where administrative enforcement actions have been unable to eliminate or to remedy the violation(s) or where in the case of emergency or flagrant violation, the Control Authority determines that the enforcement action should be escalated to compel the User to eliminate or to remedy such violation as soon as possible, the following judicial enforcement actions are authorized:

- a) Civil action: Whenever the Control Authority has reasonable grounds to believe that a User is violating, or has violated, a provision of its wastewater discharge permit, a pretreatment standard or requirement or any requirement of these rules, including the failure to pay any fee, fine, charge or surcharge imposed hereby, the Control Authority may commence a civil action to compel compliance in a court of competent jurisdiction to enjoin the User from discharging, and/or to obtain appropriate legal and/or equitable relief to remedy the violations and impose the fees, fines, charges and surcharges requested. The commencement of a suit neither constitutes an exclusive election of remedies nor prohibits the Control Authority from commencing action in federal court for discharges believed to be in violation of these rules, state and federal requirements contained in the Clean Water Act, the NPDES permit, or other applicable laws or requirements. In addition, the Control Authority may recover the reasonable attorney fees, court costs, court reporters' fees, and other unusual expenses related to enforcement activities or litigation against the person found to have violated these rules, or the orders, rules, regulations and permits issued hereunder.
- b) Criminal action:
  - Any User, who knowingly makes any false statement, representation of certification, is guilty of a misdemeanor, punishable by imprisonment for not more than ninety (90) days, or a fine of not more than \$500.00, or both. Each violation constitutes a separate and distinct offense.
  - 2) Any User, who knowingly tampers with or alters a monitoring device or process, causing inaccurate readings or results, is guilty of a misdemeanor, punishable by imprisonment for not more than ninety (90) days, or a fine of not more than \$500.00, or both. Each violation constitutes a separate and distinct offense.
  - 3) For all other violations of a rule or regulation adopted and promulgated herein, a User shall be punished by a civil fine not to exceed one thousand dollars (\$1,000.00) for each violation

per day.

- 4) The Control Authority is hereby authorized, through its general counsel, to seek prosecution of criminal charges against any person violating any provision of these rules.
- c) Any fines, costs, and penalties which are imposed by any court of competent jurisdiction shall be payable to the Control Authority.

## Section II-1006. Supplemental Enforcement Actions

- a) Pollution Prevention Plans and Best Management Practice Plans. The Control Authority may require a User to develop and implement pollution prevention plans or Best Management Practice Plans, designed to eliminate or reduce pollutant contributions beyond the levels required by these rules. Where required, the plans shall be incorporated into a modified or revised Wastewater discharge permit; and include a schedule for periodically reporting implementation progress and results for the plan(s).
- b) Local Pollutant Discharge Limitations for Total PCB. In the event where one (1) or more of the measurements taken for Total PCB during a six (6) month period exceeds by any magnitude the method detection level of 0.2 ugms/l, the Control Authority may require a User to develop and implement Pollution prevention plan initiatives or a BMP, as part of its response to the exceedance. Upon acceptance of the Pollution prevention plan initiatives or BMP, the Control Authority will recognize continued performance under the Pollution prevention plan initiative or BMP as continued compliance. Upon approval of the Control Authority, these Pollution prevention plan initiatives or BMPs, shall be made an enforceable part of the Wastewater discharge permit.
- c) Local Pollutant Discharge Limitations for Mercury (Hg). In the event where one (1) or more of the measurements taken for Hg during a six (6) month period exceeds by any magnitude the limitation of 10 ugms/l, the Control Authority may require a User to develop and implement Pollution prevention initiatives or a BMP, as part of its response to the exceedance. Upon acceptance of the Pollution prevention plan initiatives or BMP, the Control Authority will recognize continued performance under the Pollution prevention plan initiatives or BMP as continued compliance. Upon approval of the Control Authority, these Pollution prevention plan initiatives or BMPs, shall be made an enforceable part of the Wastewater discharge permit.
- d) PFAS Compounds:
  - General Requirement: Any User who manufactured PFAS Compounds; previously used, currently uses, or plans to use materials containing PFAS Compounds; and who has a discharge of wastes and Wastewaters to the POTW, shall be required to develop, submit and implement plans for the reduction and elimination of the PFAS Compounds.
    - Plans shall be submitted to the Control Authority and shall include, but not limited to, monitoring, treatment, product substitutions, BMP or other management protocols, that the User will implement.

- a) For existing Users, these plans shall be submitted to the Control Authority within ninety (90) days of the effective date of these rules.
- b) For Users initiating discharge after the effective date of these rules, these plans shall be submitted to the Control Authority within ninety (90) days of the commencement of discharge to the POTW.
- c) Any monitoring program shall be conducted in accordance with sample collection methods defined by the EGLE or USEPA and analyzed in accordance with 40 CFR 136 or other approved methods recognized by the State of Michigan; or where USEPA or the State of Michigan has not established sample collection methods or approved analytical methods in 40 CFR 136, the methods shall be specified by GLWA.
- ii) The Control Authority may require any User to conduct discharge monitoring; or the development and implementation of additional source reduction, control and elimination actions for PFAS Compound through a Wastewater discharge permit or equivalent control mechanism.
- iii) This paragraph shall not apply to facilities classified as a Centralized Waste Treatment Facility or any active/inactive landfill.
- iv) This paragraph does not apply to domestic sources or activities involving commercial maintenance activities for carpet & upholstery cleaning.
- 2) Centralized Waste Treaters & Landfills: Any Centralized Waste Treatment Facility or an active/inactive landfill who either (i) accepts wastes and Wastewater containing PFAS Compounds for treatment and/or disposal, or (ii) who identifies PFAS Compounds in any wastes or Wastewaters received in accordance with paragraph II-1006-d)(2)(i), or (iii) who becomes or is made aware of PFAS Compounds present in the wastes and Wastewaters from any source, and discharges to the POTW, or (iv) who is notified by the Control Authority that its discharge contains PFAS Compounds; shall, develop, submit and implement a comprehensive "PFAS Compound Program" describing methods and procedures to identify, control, reduce, dispose of, eliminate and/or treat wastes and Wastewaters containing PFAS Compound Program shall include the following information, as appropriate:
  - The PFAS Compound Program must describe the method(s) and procedures used for screening and monitoring program for PFAS Compounds that may be present in any wastes or Wastewaters received for treatment or disposal.
    - a) Any monitoring program shall be conducted in accordance with sample collection methods defined by the EGLE or USEPA and analyzed in accordance with 40 CFR 136 or other approved methods recognized by the State of Michigan; or where USEPA or the State of Michigan has not established sample collection methods or approved

analytical methods in 40 CFR 136, the methods shall be specified by GLWA.

- b) The screening and monitoring program shall include a protocol for notifying the Control Authority when wastes and Wastewaters containing PFAS Compounds are identified.
- c) All results and information from the screening and monitoring program shall be available to the Control Authority and copies of such information shall be made available upon written request.
- ii) The PFAS Compound Program must describe the waste and Wastewater treatment or disposal protocols and practices used, and any disposal and/or treatment technologies used to remove and/or treat wastes and Wastewaters containing PFAS Compounds.
  - a) This information shall be supported by technical documentation defining the effectiveness of such treatment protocols and/or practices used, including the removal efficiency based on mass loadings (lbs.) of PFAS Compounds before and after treatment, and account for dilution effects resulting from the combination of other waste streams, if applicable. Such demonstration may be made through bench-scale testing or site-specific data. Where site-specific data is used, a minimum of one (1) week of data must be collected.
  - b) The facility shall assess or re-assess, the removal efficiency of its operations for PFAS Compounds at least annually.
- iii) The PFAS Compound Program must describe a self-monitoring program acceptable to the Control Authority. This self-monitoring program shall include the discharge to the POTW and may include samples within the treatment process. The self-monitoring program shall identify the sampling protocols and methods of analysis used, and the authority for such methods or analysis (if other than the State of Michigan or USEPA).
- iv) The PFAS Compound Program must describe a Recordkeeping Program that at a minimum, documents the volume(s) of PFAS Compounds wastes and Wastewaters received; the mass of PFAS Compounds in pounds received by the facility and any mass (in pounds) removed by treatment, discharged to the POTW and disposed of through any other off-site source. Such information shall be summarized for each calendar month and submitted to the Control Authority by the 10<sup>th</sup> of the succeeding month.
- v) The PFAS Compound Program may include BMP or other management protocols that will be used to control, reduce or eliminate PFAS Compounds from their discharge. Where a User develops BMP or other management protocols, it may submit such plans to the Control Authority for acceptance and incorporation into the facility's Wastewater discharge permit.
- vi) The requirements of subparagraphs (i) -(v) shall be submitted as a Material and Substantial

change and request for Permit Modification within ninety (90) days of the effective date of these rules or ninety (90) days from the commencement of discharge.

vii) The Control Authority may require any Centralized Waste Treatment Facility or an active/inactive landfill to conduct discharge monitoring; or to develop a PFAS Compound Program; or the development and implementation of additional source reduction, control and elimination actions for PFAS Compound through a Wastewater discharge permit or equivalent control mechanism.

Following acceptance of the facility's PFAS Compound Program, the Control Authority shall review and incorporate its PFAS Compound Program into a Wastewater discharge permit or equivalent control mechanism, as an enforceable part of the permit.

- 3) Perfluorochemical Fire-fighting Foams and Agents Any user who stores or uses Firefighting foams using Perfluorochemicals with a carbon chain of 6 or more, shall develop and implement the following plans:
  - i) Specific reference and controls for contained in a spill/Slug control plan and submit this to the Control Authority. At a minimum, such plans shall identify areas where the Fire-fighting Foams and Agents would be contained and have no potential to reach a drain or sewer; and areas that are not contained and have a potential to reach a drain or sewer and shall be reviewed and updated as necessary but shall not exceed three (3) years.
  - ii) Training Operations and Exercises Plans for the proper use and storage and use of firefighting foams during the exercise and shall employ best environmental and public health practices for the use of Perfluorochemical Fire-fighting Foams and Agents in training including but not limited to containment, and proper disposal.
  - iii) Fire or Emergency Events (Potential to drain to sewer) For those areas where there is a potential for the Fire-fighting Foam and Agents to reach a drain or sewer, the User shall provide notice to the POTW within forty-eight (48) hours of a Fire or other emergency event where Perfluorochemical Fire-fighting Foams and Agents were used including:
    - a) Purpose for use of foam or agent.
    - b) Physical address where foam or agent was used.
    - c) Actual or estimated quantities of foam or agent concentrate used, and quantity of water used to produce foam
    - d) Name(s) of water bodies potentially affected by foam and agent or other firewater to storm or combined sewer
    - e) Practices employed for cleanup and disposal of materials contaminated by the foam or firewater.

- iv) Fire or Emergency Events (No potential to drain to sewer) For those areas where there is no potential for the Fire-fighting Foam and Agents to reach a drain or sewer, the User shall collect, clean-up and dispose of the Fire-fighting Foam and Agents and any fire-fighting water, in accordance with their BMP. A report shall be provided to the POTW addressing the completion of the clean-up and disposal of the materials within 5-days of the event and, as applicable, include a schedule for completion of the clean-up and disposal.
- v) A BMP or other management program shall be established and implemented for the collection and disposal of Perfluorochemical Fire-fighting Foams and Agents with a carbon chain of six or greater. The plan shall include any efforts to identify alternative products.
- vi) Any monitoring program shall be conducted in accordance with sample collection methods defined by the EGLE or USEPA and analyzed in accordance with 40 CFR 136 or other approved methods recognized by the State of Michigan; or where USEPA or the State of Michigan has not established sample collection methods or approved analytical methods in 40 CFR 136, the methods shall be specified by GLWA.

Copies of these plans shall be submitted to the Control Authority within ninety (90) days of the effective date of these rules.

- 4) The GLWA may assign any User who has previously used or received, or will use or receive PFAS Compounds, to a User Class for reimbursement of costs incurred by GLWA to monitor and enforce this requirement, and for which the Board determines costs should be assigned.
- The GLWA reserves the right to take enforcement action for any violations as described in Section II-1003, and as described in Sections II-1004 and II-1005.
- f) The Control Authority may require any User to implement Pollution prevention plan initiatives, or BMP, as part of an enforcement response, or as necessary to comply with its NPDES permit.
- g) A User may seek to terminate a BMP when it has demonstrated compliance for a twelve (12) month period supported by a minimum of four (4) analytical test results and a report describing the management and operating procedures used to support the compliance status. Upon acceptance of this demonstration of compliance, the User shall be relieved of this implementation requirement.

Section II-1007. Remedies Nonexclusive

The remedies provided for in these rules are not exclusive. Enforcement of pretreatment violations will generally be in accordance with the Control Authority's enforcement response plan. However, the Control Authority may take other action against any User when the circumstances warrant. Further, the Control Authority is empowered to take more than one enforcement action against any noncompliant User.

#### Article XI AFFIRMATIVE DEFENSES TO DISCHARGE VIOLATIONS

Section II-1101. Upsets.

Page 53 of 89

An upset shall constitute an affirmative defense to an action brought for noncompliance with National Categorical Pretreatment Standards where the requirements of subsection (a) of this section are met.

- a) An Industrial User who wishes to establish an upset as an applicable affirmative defense shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence, that:
  - 1) An upset occurred and the Industrial User can identify the cause(s) of the upset.
    - i. At the time, the facility was being operated in a prudent and workmanlike manner and in compliance with applicable operation and maintenance procedures.
    - ii. The Industrial User has submitted the following information to the Control Authority, orally or in writing, within twenty-four (24) hours of becoming aware of the upset and, where this information is provided orally, a written submission must then be provided within five (5) days:
      - a) A description of the discharge and cause of noncompliance.
      - b) The period of noncompliance including exact dates and times or, if not corrected, the anticipated time the noncompliance is expected to continue; and
      - c) Steps being taken and/or planned to reduce, eliminate and prevent recurrence of the noncompliance.
  - 2) In any enforcement proceeding, the Industrial User seeking to establish the occurrence of an upset shall have the burden of proof.
  - 3) The Industrial User shall control production of all discharges to the extent necessary to maintain compliance with these rules upon reduction, loss, or failure of its treatment facility until the facility is restored or an alternative method of treatment is provided. This requirement applies in the situation where, among other things, the primary source of power of the treatment facility is reduced, lost or fails.

## Section II-1102. Bypass.

A bypass includes any intentional diversion of a wastestream from any portion of an Industrial User's treatment facility. A bypass shall constitute an affirmative defense to an action brought for noncompliance with national categorical pretreatment standards and/or local pollutant discharge limitations where the requirements of subsection (a) of this section are met.

- a) The affirmative defense of bypass may be claimed where:
  - 1) The bypass is for essential maintenance to ensure efficient operation of the treatment system and does not cause a violation of pretreatment standards or requirements.
  - 2) The bypass was unavoidable to prevent loss of life, personal injury, or severe property damage.
  - 3) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated waste, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate backup equipment should have been installed in the exercise

of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventative maintenance; and

- 4) The Industrial User properly notified the Control Authority as described in subsection (2) of this section.
- b) Notice of Bypass Event. An Industrial User shall have properly notified the Control Authority as follows:
  - Anticipated bypass. Any Industrial User anticipating a bypass shall submit notice to the Control Authority at least ten (10) days in advance of the anticipated date.
  - 2) Unanticipated bypass. The Industrial User shall submit oral notice of an unanticipated bypass that exceeds applicable pretreatment standards within twenty-four (24) hours from the time the Industrial User becomes, or should have become, aware of the bypass.
  - 3) For any bypass event, a written submission shall be provided to the Control Authority within five (5) days of the time the Industrial User becomes, or in the case of an unanticipated bypass, should have become aware of the bypass. The written submission shall contain a description of the bypass including exact dates and times, and if the bypass has not been corrected or the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate and prevent reoccurrence of the bypass.
- c) Bypass approval. Where it meets all conditions in subsections (1) and (2) of this section, the Control Authority shall recognize the affirmative defense. However, the Industrial User may still be held liable for costs and fees incurred by the Control Authority as a result of the bypass, including treatment costs, charges and surcharges.

# Article XII PUBLICATION OF INDUSTRIAL USERS IN SIGNIFICANT NONCOMPLIANCE

Section II-1201. Public notification of significant noncompliance.

The Control Authority shall publish in the largest daily newspaper published in the jurisdictional limits of the Control Authority, a list of all Users which, at any time during the previous twelve (12) months, were in significant noncompliance with applicable pretreatment standards and requirements.

Section II-1202. Significant Noncompliance Criteria.

A Significant Industrial User (or any Industrial User which violates paragraphs (c), (d), or (h) of this section) is in significant noncompliance if its violation meets one or more of the following criteria:

 a) Chronic violations of wastewater Discharge limits, defined here as those in which 66 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period exceed (by any magnitude) a numeric Pretreatment Standard or Requirement, including instantaneous limits, as defined by 40 CFR 403.3(l);

- b) Technical Review Criteria (TRC) violations, defined here as those in which 33 percent or more of all of the measurements taken for the same pollutant parameter during a 6-month period equal or exceed the product of the numeric Pretreatment Standard or Requirement including instantaneous limits, as defined by 40 CFR 403.3(l) multiplied by the applicable TRC (TRC=1.4 for BOD, TSS, fats, oil, and grease, and 1.2 for all other pollutants except pH);
- c) Any other violation of a Pretreatment Standard or Requirement as defined by 40 CFR 403.3(1) (daily maximum, long-term average, instantaneous limit, or narrative Standard) that the POTW determines has caused, alone or in combination with other Discharges, Interference or Pass Through (including endangering the health of POTW personnel or the general public);
- d) Any discharge of a pollutant that has caused imminent endangerment to human health, welfare or to the environment or has resulted in the POTW's exercise of its emergency authority under paragraph (f)(1)(vi)(B) of this section to halt or prevent such a discharge.
- e) Failure to meet, within 90 days after the schedule date, a compliance schedule milestone contained in a local control mechanism or enforcement order for starting construction, completing construction, or attaining final compliance.
- f) Failure to provide, within 30 days after the due date, required reports such as baseline monitoring reports, 90-day compliance reports, periodic self-monitoring reports, and reports on compliance with compliance schedules.
- g) Failure to accurately report noncompliance.
- h) Any other violation or group of violations, which may include a violation of Best Management Practices, which the POTW determines will adversely affect the operation or implementation of the local Pretreatment program.

## Section II-1203. Publication Process.

Any User who is identified for publication as being in Significant Noncompliance shall be notified in writing at least thirty (30) days before the proposed publication; provided with a copy of the proposed notice to be published; the proposed time frame for the publication; and allowed an opportunity to comment. The Control Authority shall incorporate any comments with the proposed publication, or incorporate any comments with a revised publication, but may exercise its discretion to summarize any comments where space or word count is deemed excessive. In addition, the Control Authority may place this information on its web page at www.glwater.org.

## Article XIII FEES AND CHARGES

Fees and charges may be established by the Board to meet the costs of the operation, maintenance, improvement or replacement of the system and regulatory programs, or as provided by law or by Board action. The specific fees and charges are discussed more fully in Chapter V of these rules.

#### Article XIV APPEAL PROCEDURES

The decisions and actions taken by the Industrial Waste Control Group and the Control Authority affecting the administration, implementation, and enforcement of the industrial pretreatment program requirements are subject to review through a two-step appeal process. Although the majority of disputes are resolved through open communication, there may be a point where a User seeks to formalize their objection(s) and seek administrative review. The appeal procedures recognized under these rules are described in Chapter VIII.

# Article XV STATUTES, LAWS AND REGULATIONS

<u>Section II-1501</u>. Unless otherwise provided, any reference in these rules to a code, standard, rule, regulation, or law enacted, adopted, established, or promulgated by any government or private organization, or by any element or organization of government other than the Control Authority shall be construed to apply to such code, standard, rule, regulation, or law in effect or as amended or promulgated, from the date of enactment of these rules.

<u>Section II-1502.</u> The National Categorical Pretreatment Standards defined in 40 CFR Chapter I, Subchapter N, Parts 405-471, shall be and are incorporated by reference herein and made a part hereof.

<u>Section II-1503.The</u> Board may amend these rules or adopt additional rules necessary and proper for carrying out the conditions and intent of these rules.

<u>Section II-1504.Nothing</u> in these rules shall be deemed to limit the Control Authority from developing explanatory policies, guidance, or opinions to carry out the terms of the industrial pretreatment program which is not in conflict or otherwise prohibited by these rules.

# Appendix A – National Categorical Pretreatment Standards (NCPS) Categories

NCPS Category	CFR Reference	NCPS Category	CFR Reference
Aluminum Forming	40 CFR Part 467	Meat Products	40 CFR Part 432
Asbestos Manufacturing	40 CFR Part 427	Metal Finishing	40 CFR Part 433
Battery Manufacturing	40 CFR Part 461	Metal Molding and Casting	40 CFR Part 464
Builder's Paper and Board Mills	40 CFR Part 431	Metal Products and Machinery	40 CFR Part 438
Canned and Preserved Fruits and Vegetables	40 CFR Part 407	Mineral Mining and Processing	40 CFR Part 436
Canned and Preserved Seafood Processing	40 CFR Part 408	Nonferrous Metals Forming	40 CFR Part 471
Carbon Black Manufacturing	40 CFR Part 458	Nonferrous Metals Manufacturing I	40 CFR Part 421
Cement Manufacturing	40 CFR Part 411	Nonferrous Metals Manufacturing II	40 CFR Part 421
Centralized Waste Treatment	40 CFR Part 437	Ore Mining and Dressing	40 CFR Part 440
Coal Mining	40 CFR Part 434	Organic Chemicals, Plastics, and Synthetic Fibers	40 CFR Part 414
Coil Coating	40 CFR Part 465	Paint Formulating	40 CFR Part 446
Copper Forming	40 CFR Part 468	Paving and Roofing Materials	40 CFR Part 443
Dairy Products Processing	40 CFR Part 405	Pesticide Chemicals	40 CFR Part 455
Dental Office (Mercury - Amalgam)	40 CFR Part 441	Petroleum Refining	40 CFR Part 419
Electrical and Electronic Components I & and II	40 CFR Part 469	Pharmaceutical	40 CFR Part 439
Electroplating	40 CFR Part 413	Phosphate Manufacturing	40 CFR Part 422
Explosives Manufacturing	40 CFR Part 457	Photographic	40 CFR Part 459
Feed Lots	40 CFR Part 412	Plastics Molding and Forming	40 CFR Part 463
Ferroalloy Manufacturing	40 CFR Part 424	Porcelain Enameling	40 CFR Part 466
Fertilizer Manufacturing	40 CFR Part 418	Pulp, Paper, and Paperboard	40 CFR Part 430 and 431

Glass Manufacturing	40 CFR Part 426	Rubber Manufacturing	40 CFR Part 428
Grain Mills	40 CFR Part 406	Soap and Detergent	40 CFR Part 417
	+0 CINIMU +00	Manufacturing	10 01 11 11 11 11 1
Gum and Wood	40 CFR Part 454	Steam Electric	40 CFR Part 423
Chemicals			
Manufacturing			
Hospital	40 CFR Part 460	Sugar Processing	40 CFR Part 409
Ink Formulating	40 CFR Part 447	Textile Mills	40 CFR Part 410
Inorganic Chemicals	40 CFR Part 415	Timber products	40 CFR Part 429
Manufacture (I & and II)			
Iron and Steel	40 CFR Part 420	Transportation Equipment	40 CFR Part 442
		Cleaning	$\sim$
Landfills	40 CFR Part 445	Waste Combusters	40 CFR Part 444
Leather Tanning &	40 CFR Part 425	100 miles	Q
finishing			
		and the second sec	

# CHAPTER III: SURCHARGE PROGRAM FOR HIGH-STRENGTH WASTEWATER DISCHARGES

The Control Authority's POTW receives Wastewater from residential, commercial and industrial sources for treatment and discharge under its NPDES Permit MI0022802. The sewer charge rate charged to Member Communities is based upon the Domestic Strength of sewage. A Surcharge program for High Strength Wastewater discharges has been established to capture the additional treatment and operations costs incurred for Wastewater conveying additional pollutants to the Control Authority's POTW for specific Users.

The purpose of these rules are to establish an orderly and fair system whereby the operations, maintenance, and replacement costs incurred by the Control Authority in treating and disposing of the sewage, Industrial Wastes, and other wastes generated by each User is charged to that User for its use of the Control Authority's POTW, as required by the Federal Water Pollution Control Act Amendments of 1972 and the Clean Water Act of 1977 (33 U.S.C. 1251-1387) and the rules of the USEPA, promulgated pursuant thereto. These rules are promulgated pursuant to the statutory authority contained in Act No. 233, Public Acts of Michigan, 1955, as amended ("Act 233").

# Article I Domestic Strength of Sewage

The Control Authority has established the following Domestic Strength levels for wastewater discharged to the POTW.

Domestic Streng	th Levels				
Biochemical Oxygen Demand (BOD) 275 mg/l					
Fats, Oils & Grease	100 mg/l				
Phosphorus (P)	12 mg/l				
Total Suspended Solids (TSS)	350 mg/l				

#### Article II: High Strength Wastewater Sources

# Section III-201. Applicability: Domestic Sources

Domestic Sources shall not be subject to a surcharge for High Strength Wastewater where a property is used for the exclusive purpose of a residential dwelling, including but not limited to single or multi-family units or apartments.

Section III-202. Applicability: Users

Users and any source who does not qualify as a Domestic Source under section III-201 of these rules, are subject to the Surcharge program for High Strength Wastewater sources, as follows:

- a) Users, who as of the date of adoption of these rules have been previously assigned Pollutant Strength Levels (or "Surcharge basis") by the Detroit Water and Sewerage Department, or the GLWA, shall retain these Pollutant Strength Levels, until changed under Article IV.
- b) All other Users will be assigned the Pollutant Strength basis equivalent to the Domestic Strength Levels of Article I, until changed under Article IV.

# Article III. Surcharge and Surcharge Formula

Section III-301. Domestic Strength Levels.

As part of the annual rate-making process, a surcharge fee will be established for each pollutant included in the Article I Domestic Strength Level, which reflects the actual cost of treating the pollutant by the Control Authority. The Control Authority, through the Board, shall approve the Surcharge Rates as part of its annual Rate-making process.

Section III-302. Surcharge Fee Calculation.

The Surcharge fee will be calculated for each User in accordance with the following formula: Total Surcharge Fee =

# 0.0624 x Volume x [a (BOD-275) + b (TSS-350) + c (P - 12) + d (FOG-100)]

Where the terms constituting the total surcharge fee shall have the following meaning:

TERM	Description	Units of Measurement
0.0624	Conversion factor	
Volume	Volume of Wastewater Discharged for a billing period	Thousand Cubic Feet (Mcf)
BOD	BOD Strength Level	Milligrams/liter (mg/l)
TSS	TSS Strength Level	Milligrams/liter (mg/l)
Р	Phosphorus Strength Level	Milligrams/liter (mg/l)
FOG	The Fats, Oils & Grease Strength Level	Milligrams/liter (mg/l)
a, b, c, d	The Surcharge Rate	\$ per pound

Note: Where the difference between the pollutant strength level and domestic strength level is less than zero (0), the difference shall be deemed zero (0).

## Article IV Determination of Pollutant Strength Levels of High Strength Wastewater

Following the adoption of these rules, the Pollutant Strength Levels of High Strength Wastewater may be established or revised in accordance with any of the following methods. The Control Authority or User Page 61 of 89 Version Date: 11/13/2019

shall not seek to revise the Pollutant Strength Levels of High Strength Wastewater more frequently than every 12-months.

Section III-401. Pollutant Strength Levels from Historical Data Records

A User, or the Control Authority, may use historical data to establish or revise its Pollutant Strength Levels. The Pollutant Strength Level will be determined using a numerical average of the self-monitoring and Control Authority monitoring data for the surcharge pollutant parameters that have been collected in a 12month period.

- a) User Initiated use of Historical Data
  - 1) Where the User performs this calculation, it shall complete a Waste Strength Determination Form and provide it to the Control Authority, with all supporting data and calculations.
  - 2) No data shall be excluded from the above calculation unless the User or the Control Authority can demonstrate that the data is non-representative of the facility's discharge and actual operations.
  - 3) Within fifteen (15) days of receiving the report, the Control Authority will review all data and the User's detailed report and accept or reject the report. If rejected, the Control Authority will provide the reasons for rejection in writing. If not rejected, the new values shall be applied to the next billing cycle following receipt of the User information.
- b) Control Authority use of Historical Data
  - Where the Control Authority performs this calculation, it shall notify the User in writing of the calculated Pollutant Strength Levels. The User has thirty (30) days to file a waste strength determination form and propose a Sample Test (see Section III-402), and unless rejected, the results shall be used for billing purposes.

Section III-402. Pollutant Strength Levels from Sample Test Period Data

- a) A User may, on its own initiative, or upon receipt of written notice under section II-401(2) above, file
  a waste strength determination form and propose a sample test and sampling plan. The sampling plan
  shall be based upon a 5-day, 6-day or 7-day operating week for all Pollutant Surcharge parameters.
  - 1) The sampling plan must be provided in writing to the Control Authority no less than fourteen (14) calendar days prior to commencement of the sampling program.
  - 2) The sampling plan must include the following:
    - i) Locations of sampling
    - ii) Method(s) of sampling at each location
    - iii) Date(s) of sampling
    - iv) Measurement or determination of volume of Wastewater discharged during the testing period
    - v) Sample collection for all Pollutants Surcharge (BOD, FOG, P, and TSS).
- b) The sampling plan shall be submitted to the Industrial Waste Control Group by one of the following methods:
  - 1) U.S. mail addressed to the Industrial Waste Control Group.

Page 62 of 89

- 2) Facsimile transmission sent to 313-297-5860; or
- 3) PDF sent via electronic mail to IWC@GLWATER.org.
- c) These submittals shall be considered "not received" if deficient or incomplete, including for any of the following reasons:
  - 1) The sampling plan has not been signed and dated by the User.
  - The User has failed to enclose all supporting documents necessary to aid in the Control Authority's review of the sampling plan.
- d) The User shall be authorized to implement the Sampling Plan unless it receives a written notice from the Control Authority specifying whether the sampling plan is deficient or incomplete.
- e) The Control Authority shall have the right to observe the User's sampling techniques, sample preservation, flow measurements, and other sampling protocols during the sampling program.
- f) Within sixty (60) calendar days of completion of the sampling plan, the User shall forward the findings and supporting documentation to the Control Authority; including field sample collection logs/notes, chain of custody reports, certified laboratory reports, daily incoming meter readings, daily direct discharge meter readings, and any other supporting documentation.
  - If the User fails to notify the Control Authority prior to the sampling or fails to submit the report within the sixty (60) day period the use of the User's data for purposes of User charge calculation will be rejected, and the findings will not be allowed.
  - 2) The User shall provide a calculation of the numerical average for each Pollutant Surcharge which shall be applied as the Pollutant Strength Level for purposes of billing.
  - 3) If an User considers any self-monitoring data inappropriate for inclusion in calculating its User charges, the User must submit such data with its Report, together with a written report detailing the basis for the User's assessment that such data were not representative for purposes of inclusion when calculating its User charges. The Control Authority will accept or reject the inclusion or exclusion of the data.
  - 4) Within fifteen (15) days of receiving the report, the Control Authority will review all data and the User's detailed report and accept or reject the report. If rejected, the Control Authority will provide the reasons for rejection in writing. If not rejected, the new values shall be applied to the next billing cycle following receipt of the User information.

Section III-403. Pollutant Strength Levels Using Table Values.

The Control Authority has adopted Table A to assign average Pollutant Strength Levels for commercial or industrial groups performing operations known to produce High Strength Wastewater.

a) A User who performs a commercial or industrial activity identified in Table A based upon (i) the Standard Industrial Classification Code (SIC); and/or (ii) North American Industrial Classification System (NAICS); or (iii) consistent with the Description of an SIC or NAICS code shall be subject to the applicable Surcharge for the High Strength Wastewater.

Page 63 of 89

- b) The Control Authority will notify the User in writing of their classification, and the assignment of the average Pollutant Strength Levels as described in Table A. The new values shall be applied to the next billing cycle unless the User files a waste strength determination form and performs the sample test in accordance with Section III-402 within thirty (30) days of receiving the written notice.
- c) Where the User files a waste strength determination form under Section III-403, the Control Authority will evaluate and process it in accordance with Section III-402.
  - 1) If the waste strength determination form is accepted, the new values shall be applied to the next billing cycle following receipt of the User information.
  - 2) If the waste strength determination form is rejected, the Table A values shall be applied to the User until an acceptable pollutant strength test is performed.
- d) A User who does not have an existing monitoring location and discharges less than 25,000 gallons of wastewater per day may elect to use the values specified in Table A in lieu of performing selfmonitoring. The election shall be in writing.

Section III-404. Control Authority Test Data

- a) The Control Authority may, on its own initiative, conduct sampling at a User location, to establish the actual Pollutant Strength Level of a User's wastewater. Where this action is taken, the sampling shall be based upon a 5-day, 6-day or 7-day operating week, applicable to the User, for all Pollutant Surcharge parameters. The Control Authority shall review the results of the sampling program and determine whether a revision of the Pollutant Strength Levels is required. Upon such determination, the Control Authority will notify the User in writing.
- b) The new values shall be applied to the next billing cycle unless the User files a waste strength determination form and performs the sample test in accordance with Section II-402 within thirty (30) days of receiving the written notice.
- c) Where the User files a waste strength determination form under Section III-404, the Control Authority will evaluate and process it in accordance with Section III-402.
  - 1) If the waste strength determination form is accepted, the new values shall be applied to the next billing cycle following receipt of the User information.
  - 2) If the waste strength determination form is rejected, the Control Authority's findings will be applied to the User until an acceptable pollutant strength test is performed.

## Section III-405. Periodic Review of User and Control Authority Sampling Data

The Control Authority shall periodically review the User's self-monitoring data and its own sampling data, to assess whether a change or revision in the Pollutant Strength Levels is warranted. The Control Authority shall provide written notice to the User where these findings determine a revision of the Pollutant Strength Levels is warranted.

#### Section III-406. Sampling and Analytical Methods

The measurement and determination of the Pollutant Strength Levels shall be in accordance with 40 CFR 136 and the latest edition of <u>Standard Methods for the Examination of Water and Wastewater</u>, published jointly by The American Public Health Association, The American Water Works Association, and the Water Environment Federation.

# Article V. Appeal

<u>Section III-501</u>. The decisions and actions taken by the Industrial Waste Control Group and the Control Authority affecting the administration, implementation, and enforcement of the Surcharge of High Strength Wastewater program are subject to review through a two-step appeal process. Although the majority of disputes are resolved through open communication, there may be a point where a User seeks to formalize their objection(s) and seek administrative review. The Appeal procedures recognized under these rules are described in Chapter VIII.

SIC Number	SIC Description	NAICS Number	NAICS Description	BOD	TSS	Phosphorus	FOG
				* Signifies Domestic	Strength Leve	:l	
2011	Meat Packing Plants	311611	Animal (except Poultry) Slaughtering	1200	800	+	400
2013	Sausages & Other Prepared	311612	Meat Processed from Carcasses		1		
	Meat Products	311613	Rendering and Meat Byproduct Processing	800	700	*	150
2022	Natural, Processed, and Imitation Cheese	311513	Cheese Manufacturing	2000	500	50	٠
2023	Dry, Condensed, and Evaporated Dairy Products	311511	Fluid Milk Manufacturing	1000	500	20	
		311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	- 1000	500	20	
2024	Ice Cream and frozen Desserts	311520	Ice Cream and Frozen Dessert Manufacturing	- 16 - 1	*	25	*
2026	Fluid Milk	311511	Fluid Milk Manufacturing				
		311514	Dry, Condensed, and Evaporated Dairy Product Manufacturing	1100	500	*	500
2035	Pickled Fruits and	311421	Fruit and Vegetable Canning				
	Vegetables, Vegetable Sauces and Seasonings, and Salad Dressings	311941	Mayonnaise, Dressing and Other Prepared Sauce Manufacturing	1000	500	*	•
2037	Frozen Fruits, Fruit Juices, and Vegetables	311411	Frozen Fruit, Juice, and Vegetable Manufacturing	1000	500	*	*
2038	Frozen Specialties, Not Elsewhere Classified	311412	Frozen Specialty Food Manufacturing	1000	500	*	*
2041	Flour and other Grain Mill Products	311211	Flour Milling	1600	*	+	*
2043	Cereal Breakfast Foods	311230	Breakfast Cereal Manufacturing	1600			*
		311920	Coffee and Tea Manufacturing	- 1000	Ť	1	
2044	Rice Milling	311212	Rice Milling	1600	•	+	+
2045	Prepared Flour Mixes and Doughs	311824	Diy Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	1600	*	*	*
2046	Wet Corn Milling	311221	Wet Corn Milling	1600	*	*	*
		311225	Fats and Oils Refining and Blending	1600	*	*	*
2047	Dog and Cat Food	311111	Dog and Cat Food Manufacturing	1600	*	+	+

Page 66 of 89

SIC	(10 p	NAICS				DI I	700
Number	SIC Description	Number	NAICS Description	BOD	TSS	Phosphorus	FOG
				* Signifies Domestic	Strength Leve	1	
2048	Prepared Feed and Feed Ingredients for Animals and Fowl, except Dogs & Cats	311119	Other Animal Food Manufacturing	1600	· ·	*	*
2051	Bread and other Bakery products, except Cookies and Crackers	311822	Commercial Bakeries	3800	1100	*	260
2052	Cookies and Crackers	311822	Commercial Bakeries	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
		311821	Cookie and Cracker Manufacturing	800	*	*	*
		311919	Other Snack Food Manufacturing				
2053	Frozen Bakery Products, except Bread	311813	Frozen Cakes, Pies, and Other Pastries Manufacturing	800	*	*	*
2076	Vegetable Oil Mills, except Corn, Cottonseed, and Soybean	311224	Soybean and other Oilseed Products	650	2000	*	500
		311225	Fats and Oils Refining and Blending	1			i
2077	Animal and Marine Fats and Oils	311613	Rendering and Meat Byproduct Processing				
		311710	Seafood Product Preparation and Packaging	650	2000	*	500
2079	Shortening, Table Oils,	311224	Soybean and other Oilseed Products				1
	Margarine, and Other Edible Fats and Oils, Not elsewhere classified	311225	Fats and Oils Refining and Blending	1000	*	*	200
2082	Malt Beverages	312120	Breweries	1400	600	*	*
2086	Soft Drinks	312111	Soft Drink Manufacturing	600	*	*	+
		312112	Bottled Water Manufacturing				
			<i>.</i>				
2090	Miscellaneous Food Product	311710	Seafood Products Preparation and	1 1000		-	1.00
	Seafoods		Packaging	1000	500	*	150
2092	Prepared Fresh or Frozen Fish and Seafoods	311710	Seafood Products Preparation and Packaging				
2095	Roasted Coffee	311920	Coffee and Tea Manufacturing	1000	500	*	150

Page 67 of 89

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SIC Description	NAICS	NAICS Description	BOD	ISS	Phosphorus	FOG
-	Number		* Signifies Domestic Str	angth Leve	1	
			Signifies Domestic St	engin reve		
and Similar Snacks		Other Snack Food Manufacturing	C			
Manufactured Ice	312113	Ice Manufacturing		.4		
Macaroni, Spaghetti, Vermicelli and Noodles	311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour		1		
Food Preparations, Not Elsewhere Classified	111998	All Other Miscellaneous Crop Farming	10			
	311212	Rice Milling	print, the second			
	311340	Non-chocolate Confectionery Manufacturing				
	311423	Dried and Dehydrated Food Manufacturing	~	500		
	311824	Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour	1000		*	150
	311830	Tortilla Manufacturing	1			
	311911	Roasted Nuts and Peanut Butter Manufacturing				
	311920	Coffee and Tea Manufacturing				
	311941	Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing				
	311942	Spice and Extract Manufacturing	1			
	311991	Perishable Prepared Food Manufacturing	†		0	
	311999	All other Misc. Food Manufacturing				
Paper Mills	322121	Paper (except Newsprint) Mills	*	480	*	*
	322122	Newsprint Mills				
Converted Paper Products	1.20		300	1500	*	*
						-
	Manufactured Ice Macaroni, Spaghetti, Vermicelli and Noodles Food Preparations, Not Elsewhere Classified	SIC DescriptionNumberNumberIPoteto Chips, Corn Chips, and Similar Snacks311919Manufactured Ice312113Macaroni, Spaghetti, Vermicelli and Noodles311824Food Preparations, Not Elsewhere Classified31121231134031142331182431182431182431182431182431191131191311920311941311941311991311991311999322121Paper Mills322121	SIC Description         Number         NAICS Description           Number         Number         NAICS Description           Poteto Chips, Corn Chips, and Similar Snacks         311919         Other Snack Food Manufacturing           Manufactured Ice         312113         Ice Manufacturing           Macaroni, Spaghetti, Vermicelli and Noodles         311824         Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Flour           Food Preparations, Not Elsewhere Classified         111998         All Other Miscellaneous Crop Farming           311212         Rice Milling           311340         Non-chocolate         Confectionery Manufacturing           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         Sill           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         Manufacturing           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         Manufacturing           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         Manufacturing           311911         Roasted Nuts and Peanut Butter Manufacturing         Manufacturing           311920         Coffee and Tea Manufacturing         311942           311941         Mayonnaise, Dressing, and Other Prepared Sauce Manufacturing         Food Manufacturing           311991         Perishable	SIC Description         Number         NAICS Description         BOD           Number         Number         * Signifies Domestic Str           Poleto Chips, Corn Chips, and Similar Snacks         311919         Other Snack Food Manufacturing         * Signifies Domestic Str           Manufactured Ice         312113         Ice Manufacturing         *         Signifies Domestic Str           Macaroni, Spaghetti, Vermicelli and Noodles         311824         Dry Pasta, Dough, and Flour Mixes Manufacturing from Purchased Plour         Food Preparations, Not         111998         All Other Miscellaneous Crop           Food Preparations, Not         111998         All Other Miscellaneous Crop         Farming           311212         Rice Milling         311340         Non-chocolate         Confectionery Manufacturing           311423         Dried and Dehydrated Food Manufacturing         Food         Manufacturing         1000           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         31191         Roasted Nuts and Peanut Butter         1000           311920         Coffee and Tea Manufacturing         311920         Goffee and Eatmact Manufacturing         1000           311921         Spice and Extract Manufacturing         311942         Spice and Extract Manufacturing         1000           311921         Perishable	SIC Description         Number         NAICS Description         BOD         TSS           Pointo Chips, Corn Chips, and Similar Snacks         311919         Other Snack Food Manufacturing         * Signifies Domestic Strength Leve           Pointo Chips, Corn Chips, and Similar Snacks         311919         Other Snack Food Manufacturing         * Signifies Domestic Strength Leve           Manufactured Ice         312113         Ice Manufacturing         * Manufacturing           Macaroni, Spaghetti, Vermicelli and Noodles         311824         Dry Pasta, Dough, and Flour Mixes           Vermicelli and Noodles         111998         All Other Miscellaneous Crop Farming         111212           311212         Rice Milling         311423         Dry Pasta, Dough, and Flour Mixes Manufacturing         1000           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         1000         500           311824         Dry Pasta, Dough, and Flour Mixes Manufacturing         1000         500           311820         Tortilla Manufacturing         1000         500           311911         Roasted Nuts and Peanut Butter Manufacturing         1199         500           311920         Coffee and Tea Manufacturing         1000         500           3119191         Prepared Sauce Manufacturing         1199         411     <	SIC DescriptionNumberNAICS DescriptionBODTSSPhosphorusNumber* Signifies Domestic Strength LevelPointo Chips, Corn Chips, and Similar Snacks311919Other Snack Food Manufacturing* Signifies Domestic Strength LevelPointo Chips, Corn Chips, and Similar Snacks311131Ice Manufacturing* Signifies Domestic Strength LevelManufacture 312113Ice Manufacturing from Purchased Flour Haaroni, Spaghetti, Yermicelli and NoodlesAll Other Miscellaneous Crop Farming* Signifies Domestic Strength LevelFood Preparations, Not Elsewhere Classified111998All Other Miscellaneous Crop Farming* Signifies Domestic Strength Level311824Dry Pasta, Dough, and Flour Mixes Manufacturing 311824Dried and Dehydrated Food Manufacturing10000500311824Dry Pasta, Dough, and Flour Mixes Manufacturing 311911Roasted Nuts and Peanut Butter Manufacturing 3119201000500311920Coffèc and Tea Manufacturing 311921Spice and Extract Manufacturing 31192111999311991Perishable Manufacturing 311991Prepared Food Manufacturing311991Perishable Manufacturing*480Paper Mills322121Paper (except Newsprint) Mills*480Paper Mills12102Newsprint Mills2001500

Page 68 of 89

SIC Description		NAICS Description	BOD	TSS	Phosphorus	FOG
	T TEMPOOR		* Signifies Domestic Stre	ngth Leve	1	
Industrial Inorganic Cher	nicals		1.			
Alkalis and Chlorine	325180	Other Basic Inorganic Chemical Manufacturing		1		
Industrial Gases	325120	Industrial Gas Manufacturing				
Inorganic Pigments	325130	Synthetic Dye and Pigment Manufacturing	10			
	325180					
	211112	Natural Gas Liquid Extraction	*	2000	+	
	325130	Synthetic Dye and Pigment Manufacturing		2000		
Industrial Inorganic Chemicals, Not elsewhere	325180	Other basic Inorganic Chemical Manufacturing				
classified	325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing				
	331311	Alumina Refining	1			
Drugs		• • •				
Medicinal Chemicals and Botanical Products	325411	Medicinal and Botanical Manufacturing				
Pharmaceutical Preparation Manufacturing	325412	Pharmaceutical Preparation Manufacturing				
	325412	Pharmaceutical Preparation Manufacturing	500	500	*	*
In Vitro and In Vivo Diagnostic Substances	325413	In-Vitro Diagnostic Substance Manufacturing				
Biological Products, except Diagnostic Substances	325414	Biological Product (except Diagnostic) Manufacturing				
	Industrial Inorganic Cher Alkalis and Chlorine Industrial Gases Inorganic Pigments Industrial Inorganic Chemicals, Not elsewhere classified Drugs Medicinal Chemicals and Botanical Products Pharmaceutical Preparation Manufacturing In Vitro and In Vivo Diagnostic Substances Biological Products,	NumberIndustrial Inorganic ChewicalsAlkalis and Chlorine325180Industrial Gases325120Inorganic Pigments325130Inorganic Pigments325180Industrial Inorganic325180Chemicals, Not elsewhere classified325180Industrial Inorganic325180Industrial Inorganic325180Industrial Inorganic325180Industrial Inorganic325180Industrial Inorganic325180Signal325180Industrial Inorganic325180Pharmaceutical Products325411Pharmaceutical Products325412Pharmaceutical Products325412In Vitro and In Vivo Diagnostic Substances325413Biological Products, 325414325414	SIC Description         Number         NAICS Description           Industrial Inorganic Chemicals         325180         Other Basic Inorganic Chemical Manufacturing           Alkalis and Chlorine         325180         Other Basic Inorganic Chemical Manufacturing           Industrial Gases         325120         Industrial Gas Manufacturing           Inorganic Pigments         325180         Other basic Inorganic Chemical Manufacturing           Industrial Inorganic         325180         Other basic Inorganic Chemical Manufacturing           Industrial Inorganic         325180         Other basic Inorganic Chemical Manufacturing           Industrial Inorganic         325130         Synthetic Dye and Pigment Manufacturing           Industrial Inorganic         325180         Other basic Inorganic Chemical Manufacturing           Sisting         325180         Other Mascellaneous Chemical Product and Preparation Manufacturing           31311         Alumina Refining         Inverget           Drugs	SIC Description         Number         NAICS Description         BOD           Industrial Inorganic Chemicals         * Signifies Domestic Stree           Industrial Inorganic Chemicals         325180         Other Basic Inorganic Chemical Manufacturing         *           Industrial Gases         325120         Industrial Gas Manufacturing         *           325130         Synthetic Dye and Pigment Manufacturing         *         *           Industrial Gases         325130         Synthetic Dye and Pigment Manufacturing         *           Industrial Inorganic Chemical Chemicals, Not elsewhere classified         325180         Other basic Inorganic Chemical Manufacturing         *           31311         All Other Miscellaneous Chemical Product. and Preparation Manufacturing         *         *           31311         Alumina Refining         *         *           Drugs         *         *         *           Manufacturing         325411         Medicinal and Botanical Manufacturing         Stonical Product.           Pharmaceutical Products         325412         Pharmaceutical Preparation Manufacturing         *         \$           In Vitro and In Vivo Diagnostic Substances         325413         In-Vitro Diagnostic Substance Manufacturing         \$           In Vitro and In Vivo         325414         <	SIC Description         Number         NAICS Description         BOD         TSS           Industrial Inorganic Chemicals         * Signifies Domestic Strength Level           Industrial Inorganic Chemical         325180         Other Basic Inorganic Chemical Manufacturing         *         Signifies Domestic Strength Level           Alkalis and Chlorine         325180         Other Basic Inorganic Chemical Manufacturing         *         Signifies Domestic Strength Level           Industrial Gases         325180         Synthetic Dye and Pigment Manufacturing         *         2000           325180         Other basic Inorganic Chemical Manufacturing         *         2000           1ndustrial Inorganic Chemicals, Not elsewhere classified         325180         Other basic Inorganic Chemical Manufacturing         *         2000           325998         All Other Miscellaneous Chemical Product and Preparation Manufacturing         *         2000           Drugs         *         *         2000           Medicinal Chemicals and Botanical Products         325411         Medicinal and Manufacturing         Botanical Manufacturing           Pharmaceutical Preparation Manufacturing         325412         Pharmaceutical Preparation Manufacturing         500         500           In Vitro and In Vivo Diagnostic Substances         Manufacturing         10 <td< td=""><td>SIC Desemption     Number     NAICS Description     BOD     TSS     Phosphorus       Industrial Inorganic Chemical Alkalis and Chlorine     325180     Other Basic Inorganic Chemical Manufacturing     * Signifies Domestic Str=uth Level       Industrial Gases     325120     Industrial Gas Manufacturing     *     *       325180     Other Basic Inorganic Chemical Manufacturing     Manufacturing     *     *       100rganic Pigments     325130     Synthetic Dye and Pigment Manufacturing     *     2000     *       11112     Natural Gas Liquid Extraction 325130     Synthetic Dye and Pigment Manufacturing     *     2000     *       1ndustrial Inorganic Chemicals, Not elsewhere classified     211112     Natural Gas Liquid Extraction 325998     All Other Miscellaneous Chemical Manufacturing     *     2000     *       Drugs     *     *     *     *     *     *       Medicinal Chemicals and Detanical Products     325411     Medicinal and Botanical Manufacturing     Botanical Manufacturing     500     500     *       In Vitro and In Vivo Diagnostic Substances     225412     Pharmaceutical Preparation Manufacturing     500     \$00     *</td></td<>	SIC Desemption     Number     NAICS Description     BOD     TSS     Phosphorus       Industrial Inorganic Chemical Alkalis and Chlorine     325180     Other Basic Inorganic Chemical Manufacturing     * Signifies Domestic Str=uth Level       Industrial Gases     325120     Industrial Gas Manufacturing     *     *       325180     Other Basic Inorganic Chemical Manufacturing     Manufacturing     *     *       100rganic Pigments     325130     Synthetic Dye and Pigment Manufacturing     *     2000     *       11112     Natural Gas Liquid Extraction 325130     Synthetic Dye and Pigment Manufacturing     *     2000     *       1ndustrial Inorganic Chemicals, Not elsewhere classified     211112     Natural Gas Liquid Extraction 325998     All Other Miscellaneous Chemical Manufacturing     *     2000     *       Drugs     *     *     *     *     *     *       Medicinal Chemicals and Detanical Products     325411     Medicinal and Botanical Manufacturing     Botanical Manufacturing     500     500     *       In Vitro and In Vivo Diagnostic Substances     225412     Pharmaceutical Preparation Manufacturing     500     \$00     *

Page 69 of 89

SIC		NAICS					()
Number	SIC Description	Number	NAICS Description	BOD	TSS	Phosphorus	FOG
				* Signifies Domestic S	trength Leve	1	
2840	Soaps & Detergents						-
2841	Soap and Other Detergents, except Specialty Cleaners	325611	Soap and Other Detergent Manufacturing	10			
2842	Specialty Cleaning, Polishing, and Sanitation Preparations	325612	Polish and Other Sanitation Good Manufacturing	600		*	200
2843	Surface Active Agents, Finishing Agents, Sulfonated Oils, and Assistants	325613	Surface Active Agent Manufacturing				200
2844	Perfumes, Cosmetics, and other Toilet Preparations	325620	Toilet Preparation Manufacturing	1. Contraction 1. Con			
2850	Paints & Allied Products						
2851	Paints, Varnishes, Lacquers, Enamels, and Allied Products	325510	Paint and Coating Manufacturing	*	*	15	200
2860	Industrial Organic Chem	icals	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1218	
2861	Gum and Wood Chemicals	325194	Cyclic Crude, Intermediate and Gum and Wood Manufacturing				
2865	Cyclic Organic Crudes and Intermediates, and Organic Dyes and Pigments	325110 325130	Petrochemical Manufacturing Synthetic Dye and Pigment Manufacturing	500			150
2869	Industrial Organic Chemicals, not elsewhere	325120 325180	Industrial Gas Manufacturing Other Basic Inorganic Chemical Manufacturing				20
	classified	325193 325199	Ethyl Alcohol Manufacturing All Other Basic Organic Chemical Manufacturing				

Page 70 of 89

SIC Number	SIC Description	NAICS Number	NAICS Description	BOD	TSS	Phosphorus	FOG
_				* Signifies Domestic Stre	ngth Leve	1	
		325998	All Other Miscellaneous Chemical Product and Preparation Manufacturing	500	500	20	150
2890	Miscellaneous Chemical I	Products		.0.			
2891	Adhesives and Sealants	325520	Adhesive Manufacturing	1. 2. 1			
2892	Explosives Manufacturing	325920	Explosives Manufacturing	110	1		
2893	Printing Ink	325910	Printing Ink Manufacturing				
2895	Carbon Black	325180	Other Basic Inorganic Chemical Manufacturing	400	*	*	۲
	Chemicals and Chemical	325199	All Other Basic Organic Chemical ` Manufacturing				
2899	Preparations, Not Elsewhere Classified	325510 325998	Paint and Coating Manufacturing           All Other Miscellaneous Chemical           Product         and           Preparation           Manufacturing				
3010/1	Tire & Inner Tubes	326211	Tire Manufacturing (except Retreading)	*	500	*	*
3060	Fabricated Rubber Produ	icts					
3061	Molded, Extruded, and Lathe cut Mechanical Rubber Goods	326291	Rubber Product Manufacturing for Mechanical Use				
		313320	Fabric Coating Mills				
	-	<u>314910</u> 315280	Textile Bag Mills Other Cut and Sew Apparel	*	* 500 *	*	+
3069	Fabricated Rubber Products, Not Elsewhere	315990	Apparel Accessories and Other Apparel Manufacturing	(		0	
	Classified	326199	All other Plastics Products Manufacturing				
		326299	All other Rubber Products Manufacturing				

Page **71** of **89** 

SIC	SIC Description	NAICS	NAICS Description	BOD	TSS	Phosphorus	FOG
Number	Bro Description	Number	Trates Description	DOD	100	Thosphorus	1.00
				* Signifies Domestic S	Strength Leve	1	
		339113	Surgical Appliance and Supplies Manufacturing	Ċ			
		339920	Sporting and Athletic Goods Manufacturing	0	500	*	*
		339930	Doll, Toy and Game Manufacturing				
5085	Drums & Barrels - Reconditioning			1200	800	16	1500
5090	Miscellaneous Durable G	pods					
		423910	Sporting and Recreational Goods and Supplies Merchant Wholesalers	0			
5091	Sporting and Recreational Goods and Supplies	425110	Business to Business Electronic Markets				
		425120	Wholesale Trade Agents and Brokers				
		451110	Sporting Goods Stores	]			1
		423920	Toy and Hobby Goods and Supplies Merchant Wholesalers				
5092	Toys and Hobby Goods	425110	Business to Business Electronic Markets	400	500		150
	and Supplies	425120	Wholesale Trade Agents and Brokers				150
		451120	Hobby, Toy, and Game Stores	]			
		423930	Recyclable Material Merchant Wholesalers				
5093	Scrap and Waste Materials	425110	Business to Business Electronic Markets				
		425120	Wholesale Trade Agents and Brokers				
5094	Jewelry, Watches, Precious Stones, and Procious Metals	423940	Jewelry, Watch, Precious Stone, and Precious Metal Merchant Wholesalers				

Page 72 of 89

SIC Number	SIC Description	NAICS Number	NAICS Description	BOD	TSS	Phosphorus	FOG
				* Signifies Domestic Stre	ngth Leve		12
		425110	Business to Business Electronic Markets	C C			
		425120	Wholesale Trade Agents and Brokers		<u>-</u>		
		448310	Jewelry Stores		500	*	1
		423990	Other Miscellaneous Durable Goods Merchant Wholesalers				150
		425110	Business to Business Electronic Markets				
5099	Durable Goods, not elsewhere classified	425120	Wholesale Trade Agents and Brokers				
		444190	Other Building Material Dealers				
		451110	Sporting Goods Stores				1
		451120	Hobby, Toy, and Game Stores				
7213	Linen Service	812331	Linen Supply	500	*	*	200
7218	Industrial laundries	812332	Industrial Launderers	600	600	*	400
			÷*#				

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Page **73** of **89** 

# **CHAPTER IV: SEPTAGE AND HAULED WASTES**

The majority of wastes and Wastewater treated at the Control Authority's POTW are discharged to and conveyed by the Sewerage System through point-source connections from Domestic and User Sources. However, additional wastes may be conveyed to designated locations via rail, truck, ship or vessel or other equivalent means; hauled to the Control Authority POTW from locations within and outside of the Service Region of the Control Authority. These rules address these sources of *Hauled Wastes*.

# Article I General Provisions

<u>Section IV-101</u>. It shall be unlawful for any Person to discharge any waste or Wastewater, directly or indirectly, by rail, truck, ship or other similar means, without authorization from the Control Authority; or to discharge any Wastewater in violation of the terms and conditions contained in these rules or contrary to any discharge authorization granted by the Control Authority.

# Article II Authorized Unloading Locations

<u>Section IV-201.</u> The Control Authority's POTW shall not receive or accept any wastes or Wastewater that are directly transported via rail, truck, dedicated pipeline, ship or vessel, or other similar means, at the Control Authority's POTW located at 9300 West Jefferson, Detroit Michigan 48209, except those identified in Section IV-202.

<u>Section IV-202.</u> The Control Authority's POTW shall accept wastes or Wastewater that are directly transported via truck from Septage Waste Hauler with a valid permit. Mobile Food Trucks, Recreation Vehicles and Individual Portable Toilets are not permitted to use the Control Authority's POTW and must use public or private facilities to dispose of their wastes.

<u>Section IV-203.</u> The Control Authority will only accept wastes and Wastewater transported to Authorized Unloading Locations specified in these rules or that may be added upon authorization by the Control Authority.

<u>Section IV-204</u>. The usage of any Authorized Unloading Location shall be restricted to authorized Users who possess a hauled in waste permit issued by the Control Authority, in accordance with the terms and conditions of the permit.

## Article III Categories of Authorized and Unauthorized Hauled Wastes

Section IV-301. Authorized Wastes

The following groups of waste and Wastewater may be authorized by the Control Authority.

• Septage Waste and Wastewater

Page 74 of 89

## • Sanitary Wastewater from Vessels and Ships

The procedures for obtaining authorization are enumerated in Article IV below.

Section IV-302. Unauthorized Waste Sources

The following sources of waste and Wastewater are not authorized by the Control Authority and will not be accepted unless there is an exigent condition or public health concern for which the Control Authority shall authorize disposal.

- Grease Trap Wastes
- Industrial and Commercial Wastes
- Municipal Sludge
- Collection System Solids and Cleanings

## Article IV Procedures for Authorization – Septage Waste Hauler

<u>Section IV-401</u>. A Septage waste hauler seeking authorization from the Control Authority to discharge at the Control Authority's POTW or other authorized unloading location shall require the owner/operator of the vehicle to (i) possess a valid Septage hauler license issued by the EGLE; and (ii) obtain a valid Control Authority Septage hauler permit.

<u>Section IV-402.</u> A Septage waste hauler seeking authorization from the Control Authority to discharge at the Control Authority's POTW or other authorized unloading location shall complete an application for a HIW permit. Information will be provided including the vehicles, tank capacities and applicable vehicle licenses for each vehicle; the general area being serviced, and which authorized unloading sites the septage hauler is requesting access.

<u>Section IV-403.</u> The Septage hauler shall letter the vehicles or affix the truck number shown on their HIW permit on each side and rear of the hauling vehicle covered by their permit in clearly visible locations in black numerals and letters six (6) inches high on a white background of at least eight (8) inches in height. The line width of each letter shall be three-fourths of an inch.

<u>Section IV-404.</u> Upon receipt of a Septage hauler application form, the Control Authority will process the application and accept or reject the application. Permits issued by the Control Authority shall contain information including, but not limited to, that specified in Section II-704. A Septage waste hauler seeking authorization from the Control Authority to discharge at the Control Authority's POTW or other authorized unloading location shall only discharge the contents from domestic waste septic tanks, cesspools, seepage pits, sewage lift stations and portable toilets; after receiving a permit.

<u>Section IV-405.</u> The Control Authority shall have the unrestricted right to observe loading, hauling and unloading of Septage hauling vehicles; to obtain representative samples of the vehicle's contents at the unloading site prior to or during the unloading activity; to examine the vehicle operator's EGLE service seal and business license and the unloading permit. The vehicle operator shall cooperate with the request

of any properly credentialed the Control Authority's employee and assist in providing a sample of the tank's contents.

Article VProcedures for Authorization – Recreational Vehicle and Individual Portable ToiletsSection IV-501.Mobile Food Trucks, Recreation Vehicles and Individual Portable Toilets are not permittedto use the Control Authority's POTW and must use public or private facilities to dispose of their wastes.

## Article VI Procedures for Authorization – Vessels and Ships

<u>Section IV-601</u>. The Control Authority may accept Domestic Sewage from vessels and ships at authorized locations, or from firms servicing vessels and ships traversing the Great Lakes. Individuals or firms shall request authorization from the Industrial Waste Control Group before discharging any Wastewater, and discharge at an authorized unloading location.

## Article VII Other Conditions

Section IV-701. Any Person authorized under these rules for Septage and hauled waste or wastewater is subject to the requirements for permits, inspection, monitoring and enforcement, as enumerated in Chapter II.

<u>Section IV-702</u>. Any permit or authorization granted by the Control Authority shall also include the following conditions:

- a) Applicable terms and conditions, surcharges, fees or rates as established by the Board.
- b) The specific unloading facility location designated by the Control Authority for discharge.
- c) As necessary, additional specific limitations and requirements necessary to protect the wastewater treatment plant and collection system.
- d) Any applicable surcharge for High Strength Wastewater applicable to the specific contents being hauled under Authorization by the Control Authority; and
- e) Any charges or fees established by the Board.

# Article VIII. Appeal

The Decisions and Actions taken by the Industrial Waste Control Group and the Control Authority affecting the administration, implementation, and enforcement of the Septage and hauled waste Program are subject to review through a two-step appeal process. Although the majority of disputes are resolved through open communication, there may be a point where a User seeks to formalize their objection(s) and seek administrative review. The Appeal procedures recognized under these rules are described in Chapter VIII.

#### **CHAPTER V: REVENUES TO SUPPORT REGULATORY PROGRAMS**

The Control Authority has promulgated these rules for the protection of the environment, the public health and safety by abating and preventing pollution through the regulation and control of the quantity and quality of sewage, industrial wastes, and other wastes admitted to or discharged into the sewerage system. The Control Authority seeks to provide for the recovery of the costs from Users of the Wastewater collection and treatment system sufficient to administer regulatory activities and meet the costs of the operation, maintenance, improvement or replacement of the Sewerage System.

Fees and charges may be established by the Board to meet the costs of the operation, maintenance, improvement or replacement of the Sewerage System and regulatory programs, or as provided by law or by Board action.

- a) The Board shall adopt charges and fees which shall include, but not be limited to:
  - Fees for reimbursement of costs of establishing, operating, maintaining, or improving the industrial waste control and pretreatment programs (See Article I below); and
  - User fees (surcharges) based upon volume of waste and concentration or quantity of specific pollutants in the discharge, and treatment costs including sludge handling and disposal (See Article II); and
  - Reasonable fees for reimbursement of costs for hearings including, but not limited to, expenses regarding hearings officers, court reporters, and transcriptions; and
  - 4) Other fees, which the Board may deem necessary, to carry out the requirements contained herein, or as may be required by law.

# Article I Industrial Waste Control Charges

<u>Section V-101.</u> The Control Authority is required to implement and enforce an Industrial Pretreatment Program and perform other related duties as required by the NPDES Permit MI 0022802 and the Clean Water Act. To accomplish these duties and requirements, the Control Authority must have a revenue source which insures adequate funding. The Control Authority hereby adopts the following method of funding these regulatory activities:

- a) An IWC water meter charge shall be established by the Board to recover the costs incurred in administering, implementing and enforcing the regulatory activities and obligations under the NPDES Permit MI 0022802 and the Clean Water Act, and any rules adopted by the Board.
- b) The IWC water meter charge shall be based on the size of the water meter on a proportional basis and assessed on any non-residential water meter with the following exceptions:
  - 1) The IWC water meter charge shall not be assessed on any meter dedicated for Fire Protection

purposes only.

- 2) The IWC water meter charge shall not be assessed on any meter dedicated for Irrigation purposes only.
- 3) The IWC water meter charge shall not be assessed on any meter from a multi-family residential dwelling; public and private elementary and secondary school which are part of a government school district; colleges, universities, professional schools, junior colleges and technical institutes; and local, state and federal government facilities.
- c) Member Communities shall periodically report the quantity, number and size of non-residential meters, and any exempt meters (as described in paragraph 2).
- d) The Control Authority shall prepare a bill to each Member Community using the information provided in paragraph 3 and forward the bill for payment either through the Wholesale Sewer Contract Customer (if applicable) and/or Member Community, indicating the terms and conditions of payment.
- e) Each Member Community is responsible for assessing these fees on applicable Users and collection thereof in accordance with the delegation and service agreements; and for reporting changes in the number of meters reported in paragraph 3.
- f) The Control Authority reserves the right to collect any and all outstanding amounts in accordance with applicable law.

# Article II Pollutant Surcharges

<u>Section V-201</u>. The Control Authority has adopted rates necessary to recover the cost of service based upon the unit volume of Wastewater discharged; and has adopted Pollutant Surcharges applicable to High-Strength Wastewater discharges from Users which will be assessed to these Users so that the proportional share of the cost of service may be recovered.

- a) The specific rules and procedures for establishing High Strength Wastewater levels, and administering a program thereof is included in Chapter II of these rules.
- b) Member Communities shall report the applicable water and/or sewage meter information to the Control Authority who shall prepare a bill based upon the established High-Strength Wastewater level of a User.
- c) The Control Authority shall prepare a bill to each Member Community using the information provided in paragraph 2 and forward the bill for payment either through the Wholesale Sewer Contract Customer (if applicable) and/or Member Community, indicating the terms and conditions of payment.
- d) Each Member Community is responsible for assessing these fees on applicable Users and collection thereof in accordance with the delegation and service agreements.
- e) The Control Authority reserves the right to collect any and all outstanding amounts in accordance with applicable law.

# Article III Other Fees

<u>Section V-301.</u> The Appeal Procedures described in Chapter VIII will incur costs for hearings officers, court reporters, and transcriptions. The cost of conducting these appeal procedures shall be equally shared between the Control Authority and the User(s). A deposit may be requested by the Control Authority to cover a portion of these expenses. Where a User fails to pay all fees incurred, the Control Authority shall recover these fees through direct invoicing and using all means authorized by law.

Section V-302. Other fees, which the Board may deem necessary, to carry out the requirements contained herein, or as may be required by law.



#### **CHAPTER VI: FLOW-METERING**

The Control Authority requires Users to employ accurate and valid methods for measuring and reporting the volume of water consumed and discharged from their properties to satisfy regulatory and monitoring requirements. Each Member Community may establish its own criteria for metering the wastewater discharged into the Sewerage System which is not in conflict with these rules.

#### Article I General Requirements

The Control Authority recognizes the role of the respective Member Community in prescribing the water and/or sewage meters installed at a User's property. The Control Authority will recognize a User's use of these methods to represent the water usage and/or wastewater discharge as follows:

<u>Section VI-101.</u> Users obtaining all of their water supply from the GLWA shall, unless modified or changed by contract, base the volume of water consumed upon one or more water meters installed at the User's property. Any questions that the GLWA may have concerning the accuracy and validity of a water meter will be directed to the User and the Member Community

<u>Section VI-102.</u> Users obtaining all, or any portion, of their water supply from sources other than the GLWA and who discharge water, wastes and wastewater inclusive of these foreign sources to the GLWA for conveyance and Wastewater treatment, shall base the volume of Wastewater discharged through gauging, metering or using any other equitable method of measuring, the volume of all Wastewater discharged. Acceptance of the Wastewater discharged shall be conditioned upon the acceptance of such methods by the Member Community. Any questions that the GLWA may have concerning the accuracy and validity of a water meter will be directed to the User and the Member Community

<u>Section VI-103.</u> Users obtaining all, or any portion, of their water supply from the GLWA, but also receiving other wastes and Wastewater via truck, rail, vessel or ship, dedicated pipeline, or any other means of transportation shall base the volume of Wastewater discharged through gauging, metering or using any other equitable method of measuring the discharge volume. Acceptance of the Wastewater discharged shall be conditioned upon the acceptance of such methods by the Member Community. Any questions that the GLWA may have concerning the accuracy and validity of a water meter will be directed to the User and the Member Community.

#### Article II Sub-metering of Water or Sewage Volumes

Section VI-201. Any owner of a premise or User of the system may install, at their own expense, a water sub-meter for determining the utility services used by certain areas or processes. Such meter will not be

recognized for purposes of usage, addition or reduction, billing or other regulatory purpose, unless the meter complies with section VI-202.

<u>Section VI-202.</u> Where a Member Community has recognized and accepted a User's sub-meter(s) to gauge the volume of water, for determining the utility services used by certain areas or processes, ), the GLWA shall recognize the purpose and readings of the sub-meter for purposes of usage, addition or reduction, billing or other regulatory purpose described by these rules.

#### Article III Requirements for Water or Sewerage Metering

<u>Section VI-301.</u> Where the GLWA, in conducting its regulatory responsibilities described by these rules, identifies an unmetered water or sewerage source, a non-functioning water or sewerage meter or sub-meter, or requires other gauging or metering to fulfill the requirements of its NPDES permit, it shall notify the User in writing of its findings and requirements as well as the Member Community.

<u>Section VI-302</u>. Any water or sewer meter installed by a User must be periodically calibrated by the User and maintained by the User at its own expense. All records of calibration or maintenance shall be provided to the GLWA upon its request.

### Article IV Sewage Metering Requirements for Flow-proportional Sampling

<u>Section VI-401</u>. All Significant Industrial Users shall provide, operate, and maintain at their own expense a sampling and monitoring facility which complies with Section II-605.

<u>Section VI-402.</u> Significant Industrial Users required to collect wastewater samples using 24-hour flow-proportional composite sampling techniques, shall provide the Control Authority with a sampling plan in compliance with section II-603 and the following information about the flowmeter and other devices used:

- a) The specifications and information describing the flow monitoring instruments, including make and model number.
- b) The recording devices used, including make and model number; and
- c) Specifications indicating that the meter is equipped with a non-resettable flow totalizer.

<u>Section VI-403.</u> Significant Industrial Users required to collect Wastewater samples using 24-hour flow-proportional composite sampling techniques, shall provide the appropriate interface hardware and cable sufficient to reach the sampler location from the flow metering system's contact point, as follows:

- a) Ensure that the flow metering system using an analog output signal, furnish the Control Authority with a flow meter to sampler 4-20 mA input interface: ISCO Part # 60-5314-281, or equivalent.
- b) Ensure that the flow metering system using a pulse output signal, furnish the Control Authority with a signal specification of 5 to 15 VDC pulse, with 25 millisecond isolated contact closure using a sampler connection interface cable ISCO Part # 60-1394-077, or equivalent.
- c) The Significant Industrial User shall provide an interface port for 6 pin military spec amphenol
   Page 81 of 89
   Version Date: 11/13/2019

connector and a parallel or Y-connector for simultaneous sampling event.

d) In the event that an equivalent or new technology is available which permits the Control Authority to collect a Flow-composite based sampling from the User's facility using equipment other than or different then that enumerated in sub-paragraphs a-c above, the Control Authority will permit such technology to be implemented and used at the User's site. User's must, however, notify the Control Authority in writing.

#### Article V Appeal

The decisions and actions taken by the Industrial Waste Control Group and the Control Authority affecting the administration, implementation, and enforcement of the Flow Metering Program are subject to review through a two-step appeal process. Although the majority of disputes are resolved through open communication, there may be a point where a User seeks to formalize their objection(s) and seek administrative review. The Appeal procedures recognized under these rules are described in Chapter VIII.

# CHAPTER VII: RULES GOVERNING THE WASTES AND WASTEWATER FROM ENVIRONMENTAL REMEDIATION, GROUNDWATER AND OCCASIONAL OR SPECIAL WASTES SOURCES

The purpose of these Rules is to regulate and control the quality and quantity of wastes and Wastewater derived from Environmental Remediation, Groundwater and Occasional or Special Wastes Sources occurring within the sewer Area under the jurisdiction of the Control Authority to ensure that these sources are not discharged into the local environment without authorization and in quantity and/or concentrations as may cause or contribute to adverse impact upon the environment or the status of the Control Authority's POTW with regard to environmental regulations impacting those facilities.

#### Article I General Requirements

<u>Section VII-101.</u> The Control Authority may authorize the discharge of wastes and Wastewater derived from Environmental Remediation, Groundwater and Occasional or Special Wastes Sources from facilities located in areas served by the Control Authority's Sewerage System.

<u>Section VII-102</u>. Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources from facilities located in areas not served by the Control Authority's Sewerage System will not be accepted except where a public health or similar exigent condition exists. In response to such public health or exigent condition, the Control Authority may accept and evaluate an application, and will notify the Board of its findings and determination prior to authorizing the discharge.

# Article II Prohibitions

#### Section VII-201. Unlawful Discharges

It shall be unlawful for any Person to cause or allow the discharge of Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources from combined sewered areas into the Control Authority's Sewerage System, unless such person has been authorized by the Control Authority and is in possession of a current and valid permit authorizing the discharge of the Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources.

### Section VII-202. Pollutant Discharge Limits

The Control Authority shall apply or develop pollutant discharge limitations necessary to protect the Control Authority's Sewerage System, and at a minimum include:

- a) The General Pollutant Prohibitions (Chapter II, Article II) shall be applied to all permit authorizations.
- b) The Specific Pollutant Prohibitions (Chapter II, Article III) shall be applied to all permit authorizations.

c) For Underground Storage Tank and *Petroleum* clean-up projects, the additional discharge limitations shall be applied:

Benzene	20 ug/l
Toluene	20 ug/l
Ethylbenzene	20 ug/l
Xylene	20 ug/l

d) As necessary, the Control Authority may develop special pollutant discharge limitations in concentration or mass necessary to carry out the intent of these rules. The determination of any such special pollutant discharge limitations shall be attached to any permit granted under these rules.

## Article III Special Discharge Permits

#### Section VII-301. Special Discharge Permit Application

Any Person seeking permission to discharge Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources wastewater shall complete and submit to the Control Authority (on forms supplied by the Control Authority) a Special Discharge Permit Application (SDP Application). At a minimum, the application shall include the following information:

- a) The address, or other description of the location, which is the source or origin of the proposed discharge.
- b) The name and address of the (i) officers or principal owners of the real property; (ii) name of the person who will be responsible for operation of the facilities; (iii) any agents for these parties; and; (iv) any other persons seeking the special discharge permit.
- c) The applicant shall provide at least one sample analysis which includes the 126 priority pollutants. Additional samples may be tested for pollutants above detection levels or which are present or expected to be present in the discharge.
- d) Any information concerning the nature of operations conducted, or previously conducted at the property.
- e) Any additional information or documentation necessary to support the application.
- f) The SDP Application shall be executed by an Authorized Representative of the person.
- g) Acceptance by Member Community. Applications shall be reviewed by the municipality or other unit of local government having jurisdiction over the geographical location for which the SDP is requested and must be certified acceptable to such municipality or other unit of local government prior to submittal to the Control Authority. The certification shall be inclusive of any metering or payment requirements. This acceptance must be in writing.

Within 30 days of receipt of a completed SDP Application, the Control Authority shall notify, in writing, the person submitting the application of its approval or denial, and the reason(s) for denial. If approved, the special discharge permit shall be issued by the Control Authority to the owner of the real property from

Page 84 of 89

which the Wastewater originates as permittee and to the agents of the owner as co-permittees who will be responsible for operation of the facilities.

#### Section VII-302. Special Discharge Permit

The Control Authority shall develop a special discharge permit form that shall contain, at a minimum, the following conditions:

- a) Statement of duration, which for special discharge permits shall not exceed one (1) year. The one (1) year term may be renewed upon receipt of an SDP Application petitioning renewal of the permit for an additional one (1) year term if submitted ninety (90) days prior to the expiration date of the existing special discharge permit.
- b) A provision against non-transferability of the special discharge permit.
- c) Effluent discharge limitations authorized under Section II-202 of these rules.
- d) Self-monitoring, sampling, reporting, notification and recordkeeping requirements, including identification of the pollutants to be monitored, sampling points, sampling frequency and sample type. Sample collection and analysis shall conform to the requirements specified by the Control Authority.
- e) Requirements for specific treatment, if applicable, including best available technology. Justification for such treatment shall be made in writing and attached to the special discharge permit.
- f) Acknowledgement from Member Community.
- g) Other requirements including those specified in Section II-704.

Section VII-303. Monitoring of Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources

- a) Each person subject to the terms of these rules shall install and maintain, at its own expense, a control manhole or sampling site, including sampling and flow measurement operations applicable to the discharge.
- b) All sampling and analysis shall be performed in accordance with applicable regulations contained in 40 CFR 136 and amendments thereto.
- c) Any Flow Monitoring installation shall conform to the requirements and specifications of Chapter VI.

# Article IV. Other Provisions

<u>Section VII-401</u>. Representatives of the Control Authority may enter upon the premises for which the special discharge permit has been issued, during reasonable hours, to perform gauging and sampling operations, for inspecting or examining facilities, premises, installations and processes, for inspection and copying of records, and for reviewing pretreatment operating procedures and to determine compliance with the terms and conditions of special discharge permit.

Section VII-402. Fees

- a) Persons subject to the provisions of these rules are responsible for payment of applicable sewer charges, including any applicable Surcharges.
- b) Where the volume of Wastewater discharged under a special discharge permit exceeds 1,000,000 gallons per annum, the Industrial Waste control fee shall be assessed and paid prior to commencement of the discharge.

#### Article V Enforcement

The Control Authority shall enforce compliance with the special discharge permit in accordance with Chapter II, including a temporary suspension of the special discharge permit or revocation of the special discharge permit. Where the Control Authority has revoked the special discharge permit, the special discharge permit holder may appeal the revocation order in accordance with Article VI of these rules.

# Article VI Appeal

The decisions and actions taken by the Industrial Waste Control Group and the Control Authority affecting the administration, implementation, and enforcement of the Environmental Remediation Wastewater, Groundwater and Occasional or Special Wastes Sources Wastewater Program are subject to review through a two-step appeal process. Although the majority of disputes are resolved through open communication, there may be a point where a User seeks to formalize their objection(s) and seek administrative review. The Appeal procedures recognized under these rules are described in Chapter VIII.

#### **CHAPTER VIII: ADMINISTRATIVE APPEAL PROCEDURES**

The following rules describe the Administrative Appeals Procedures developed and adopted by the Control Authority to resolve disputes with the technical subject matter of these rules or resolve disputes on the meaning of these rules. A User who believes it is aggrieved of the actions of the Authority in enforcing these Rules may appeal to the Control Authority for the relief of that dispute. An appeal shall be made as follows:

## Article I APPEAL PROCEDURE

# Section VIII-101. Appeal Request

a) The appeal request must be in writing, directed to the Chief Compliance Officer and received within 21 days of the decision or act that is the subject of the appeal. The appeal request shall be made in triplicate and shall set forth the specific act or matter complained of and in dispute. Additionally, the appeal request shall include all documentation which supports the User's position.

b) The Chief Compliance Officer shall within thirty (30) days of receipt of a written appeal request, acknowledge such receipt in writing to all interested parties. Thereafter, the Chief Compliance Officer shall arrange for a hearing to be held in accordance with Section 3 of this Chapter, or if appropriate, direct a representative of the IPP Program (IPP Representative) to schedule a conciliation meeting with the appellant as soon as practicable, at the mutual convenience of the parties to resolve the dispute.

# Article II CONCILIATION MEETING

## Section VIII-102. Conciliation Meeting Procedure

a) If a conciliation meeting is held, it shall be open to all interested parties and their representatives. The meeting may be adjourned to a mutually acceptable date or dates.

b) If the User or IPP Representative determines that the dispute cannot be resolved through the conciliation meeting process, the parties shall so inform the Chief Compliance Officer in writing and request a hearing in accordance with Section 3 of this Chapter. If future conciliation meetings are no longer needed, the Chief Compliance Officer shall notify the parties involved and issue a decision within fifteen (15) days, in writing, by mail, to the interested parties to the dispute.

c) If it is determined by all interested parties and the IPP Representative that the dispute has been satisfactorily resolved through the conciliation meeting process, within thirty (30) days of the last conciliation meeting, the IPP Representative shall reduce such resolution to the form of a written agreement or order for signature by the interested parties.

#### Article III HEARING PROCEDURE

Section VIII-103. Hearing Procedure

a) In the event a hearing is required pursuant to Sections 1 or 2(b) of this Chapter, the Chief Compliance Officer shall promptly appoint a disinterested hearing officer with suitable qualifications to conduct an administrative hearing and to receive testimony and evidence presented by the aggrieved party. The hearing officer shall also receive testimony and evidence from the Control Authority or others as he or she deems necessary.

b) The hearing officer shall conduct the hearing and file a written report of said hearing with the Chief Compliance Officer or his designee within thirty (30) days of his/her appointment. The hearing officer shall have the right to extend this thirty-day period for good cause. However, in such event, his/her report will be submitted to GLWA Chief Compliance Officer within fifteen (15) days of the conclusion of the hearing and the taking of testimony and evidence.

c) The hearing officer's report shall include a brief statement of factual matters at issue, the nature of the testimony and evidence received and shall include a recommendation to either uphold or modify the decision or action in question on such terms as the hearing officer deems equitable.

d) Upon receipt of the hearing officer's report, the Chief Compliance Officer shall render his/her decision in writing within fifteen days of the receipt of the report. In any event, the Chief Compliance Officer shall not be bound by the recommendation of the hearing officer. The decision of the Chief Compliance Officer shall be final and enforceable at law, unless the appeal involves a citation and a subsequent appeal is made within sixty (60) days and the Authority grants a review of the Chief Compliance Officer's decision. The decision of the Authority shall be final.

e) A person or Member Community aggrieved by a final decision of the Chief Compliance Officer or the Authority may petition to the Wayne County Circuit Court for judicial review. The petition shall be filed not later than sixty (60) days following the receipt of the final decision. An aggrieved person or municipality shall exhaust all administrative remedies provided in this Section before seeking judicial review.

f) With respect to the hearing conducted, the hearing officer shall not be bound strictly by the rules of evidence which would apply in a court of competent jurisdiction. The hearing officer shall have the authority to receive such evidence as he/she deems relevant and material and to give the evidence received such weight and probative value as, in the hearing officer's discretion, is deemed proper.

#### SAVINGS CLAUSE

If any provision, paragraph, section or article of these rules are invalidated by any court of competent jurisdiction, the remaining provisions, paragraphs, words, sections and articles shall not be affected and shall continue in full force and effect.

Approved: 11/13/2019 Published:

Effective:

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178 of 185



# CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 28, 2020

ITEM: Real Estate Purchase Agreement Amendment with Phoenix Management Holdings LLC, IV for surplus parcels at the DPW Yard, 46555 Port Street

**<u>PRESENTERS</u>**: Supervisor Heise, Attorney Bennett

**BACKGROUND:** I am seeking your concurrence in the attached Real Estate Purchase Agreement Amendment with Phoenix Management Holdings, LLC, IV, for two surplus parcels at the DPW Yard. The original one-year Agreement was approved by the Board on December 17, 2018; on January 28, 2020, the Board agreed to extend the Purchase Agreement to August 31, 2020 in order for Phoenix to complete their engineering, environmental, wetland, legal, and other due diligence items. Unfortunately, due to the Covid Crisis, much of this work has yet to be completed; therefore, I am asking the Board to authorize an additional extension to December 31, 2020.

<u>PROPOSED MOTION:</u> I move that the Township Board approve Resolution #2020-07-28-73 authorizing the Township Supervisor and Clerk to sign the Real Estate Purchase Agreement Amendment with Phoenix Management Holdings, LLC, IV, for surplus Township parcels located at 46555 Port Street.

Moved By \_\_\_\_\_\_ Seconded By \_\_\_\_\_\_

**ROLL CALL:** 

\_\_\_\_ Vorva, \_\_\_ Curmi, \_\_\_ Clinton, \_\_\_ Heitman, \_\_\_ Doroshewitz, \_\_\_ Dempsey, \_\_\_ Heise

# STATE OF MICHIGAN COUNTY OF WAYNE CHARTER TOWNSHIP OF PLYMOUTH

# RESOLUTION TO APPROVE A REAL ESTATE PURCHASE AGREEMENT AMENDMENT WITH PHOENIX MANAGEMENT HOLDINGS LLC IV FOR SURPLUS PARCELS AT THE DPW YARD, 46555 PORT STREET, PLYMOUTH

# **RESOLUTION #2020-07-28-73**

At a regular meeting of the Board of Trustees for the Charter Township of Plymouth (the 'board'), held at Township Hall, 9955 N. Haggerty Road, Plymouth, MI on July 28, 2020, the following resolution was offered:

WHEREAS, The Board of Trustees of the Charter Township of Plymouth has been presented with a Real Estate Purchase Agreement Amendment with Phoenix Management Holdings, LLC, IV for the two surplus parcels located at the Township DPW yard at 46555 Port Street, Plymouth; and,

**WHEREAS**, the original one-year agreement was approved by the board on December 17, 2018; and,

**WHEREAS**, Phoenix Holdings unilaterally terminated the contract in December 2019, and had agreed to a contract amendment that would extend to August 31, 2020 in order for them to complete their engineering, environmental, wetland, legal, and other due diligence items, which they have been working on for the past year at their own expense; and

WHEREAS, Due to the Covid Crisis, much of this work has yet to be completed.

**NOW, THEREFORE, BE IT RESOLVED** that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution #2020-07-28-73 authorizing the Township Supervisor and Clerk to sign the Real Estate Purchase Agreement Second Addendum with Phoenix Management Holdings, LLC IV, for surplus parcels located at 46555 Port Street, extending this agreement to December 31, 2020.

Moved by:			Seconded by:			
ROLL CALL:						
Vorva,	_Clinton,	_Curmi,	Dempsey,	Doroshewitz,	Heise,	Heitman

# Second Addendum to Real Estate Purchase Agreement

This Second Addendum ("Addendum") to Real Estate Purchase Agreement ("Agreement") is entered this \_\_\_\_\_ day of 2020 (the "Effective Date"), by and between Phoenix Management Holdings LLC IV (collectively and referred to herein as the Buyer") Plymouth Township ("Seller"). The parties collectively referred to herein as the "Parties."

Recitals

**WHEREAS**, Sellers and Purchaser are parties to a certain Purchase Agreement dated on or about May 22, 2019 to purchase real property at 46555 Port, Plymouth Township a portion of such property having approximately 4.25 acres; and,

**WHEREAS**, the Parties now wish to extend the deadline set forth in paragraph 5 of the foreclosing from "within Two Hundred and Thirty (230) days after Buyer's acceptance date" to "December 31, 2020;" and,

WHEREAS, the Parties agree that the remainder of the Purchase Agreement shall remain in effect;

**NOW, THEREFORE, BE IT RESOLVED** the Parties, in consideration of the mutual promises and covenants contained herein, in addition to other good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged through the Parties' signature hereto, the Parties agree to amend the Purchase Agreement as follows:

The clause in paragraph 5 that reads "within Two Hundred and Thirty (230) days after Buyer's acceptance date" is hereby amended to "December 31, 2020".

Seller:

Purchaser:

By:

By:

Its:

Its:



# CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 28, 2020

ITEM: Authorization to Lease Surplus Office Space at DPW Building

# **PRESENTERS:** Supervisor Heise

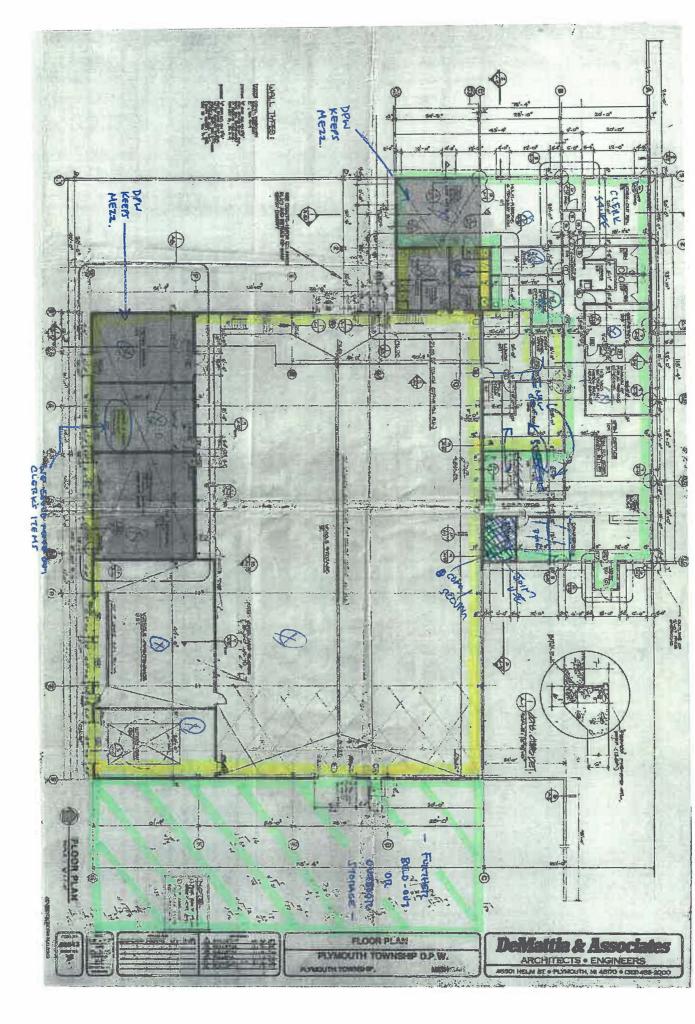
**BACKGROUND:** The DPW Building on 46555 Port Street has approximately 5,200 square feet of largely unused or vacant office space which was originally designed for various Township operations that are now defunct or have been moved to the Township Hall facility (see attached floor plan). I would like to seek approval of the Board to advertise this space for a possible lease, the terms of which would be negotiated with the responsive bidder if one could be found. Based on my research, I think we could realize between \$8 to \$10 per square foot, possibly bringing in \$45,000 to \$52,000 in revenue to the Township annually. In light of the COVID Crisis and budget-cutting measures this Board has taken in response, I think we owe to our taxpayers to seek new sources of revenue in the years ahead. Any lease agreement would be brought back to the Board for final approval.

<u>PROPOSED MOTION:</u> I move to authorize the Supervisor and Clerk to advertise and seek responsive bids for the lease of surplus office space at the DPW Building and to recommend final approval of a tenant to the Board of Trustees if a suitable tenant is found.

Moved By \_\_\_\_\_\_ Seconded By \_\_\_\_\_

**ROLL CALL:** 

\_\_\_\_ Vorva, \_\_\_ Curmi, \_\_\_\_ Clinton, \_\_\_\_ Heitman, \_\_\_\_ Doroshewitz, \_\_\_\_ Dempsey, \_\_\_\_ Heise





# CHARTER TOWNSHIP OF PLYMOUTH REQUEST FOR BOARD ACTION

MEETING DATE: July 28, 2020

ITEM: Reinstatement of COVID-Related Budget Cuts to Police Department

**<u>PRESENTER</u>**: Supervisor Kurt Heise

**BACKGROUND:** Due to the Coronavirus Crisis the Board of Trustees on May 26 removed approximately \$415,000 from the 2020 Budget. Since that time, the State of Michigan has agreed to reimburse communities for their First Responders' salaries for the months of April and May using Federal CARES Act funding.

While I cannot guarantee that we will be made fully whole by the State for these recent cuts, I am confident that sufficient reimbursement will occur that will enable us to at least restore the cuts that were made to the Police Department budget back in May.

In these uncertain times, public safety is paramount, and I want to ensure that our Police Department is fully funded. <u>We will never de-fund or under-fund our Police.</u>

The Uniform Budgeting and Accounting Act requires that a Township Board prepare a budget amendment as soon as it is apparent that a deviation from the original budget is necessary and the amount can be determined. That amendment is attached.

<u>PROPOSED MOTION:</u> I move that the Plymouth Township Board of Trustees hereby adopt Resolution #2020-07-28-74 authorizing the Finance Director to amendment and appropriate General Fund fund balance in the attached Police and Dispatch Capital Outlay expenditure accounts in the amount of \$109,429.00.

ROLL CALL:

\_\_\_\_Vorva\_\_\_ Curmi,\_\_\_ Clinton, \_\_\_Heitman, \_\_\_Doroshewitz, \_\_\_Dempsey, \_\_\_Heise

# STATE OF MICHIGAN COUNTY OF WAYNE CHARTER TOWNSHIP OF PLYMOUTH

# RESOLUTION TO AMEND BUDGET FISCAL YEAR 2020 BUDGET AMENDMENT FOR THE GENERAL FUND RESOLUTION # 2020-07-28-74

At a regular meeting of the Charter Township of Plymouth Board of Trustees, Wayne County, Michigan, held at the Township Hall, located at 9955 N Haggerty Road, Plymouth, Michigan, on July 28, 2020, at 7:00 p.m.

WHEREAS, it is the responsibility of the Charter Township of Plymouth Board of Trustees to approve and oversee the expenditures of the township funds up to, but not to exceed the total appropriation authorized for each fiscal year; and,

WHEREAS, the Board of Trustees of the Charter Township of Plymouth was presented with a proposed budget appropriation for Fiscal Year 2020 for the General Fund budget; and,

WHEREAS, the Board is satisfied in this proposed budget amendments to appropriate fund balance to the Police of \$36,000 for supplies and capital outlay and the Dispatch of \$73,429 for capital outlay and maintenance repairs in the total amount of \$109,429.00; be it,

**NOW, THEREFORE BE IT RESOLVED** that the Charter Township of Plymouth Board of Trustees does hereby approve Resolution #2020-07-28-74 authorizing the Finance Director to appropriate General Fund fund balance to make the above budget amendment to the 2020 General Fund budget.

Motioned by:	Seconded by:	
Roll Call Vote:		
Ayes:		
Nays:		
Motion Passed.		
Jerry W. Vorva, Clerk	Date	

# Plymouth Charter Township FY2020 - Capital and Non-Capital Outlay Budget

Budget Car Dept #	<u>scellation</u> General Ledger Account	Department	Description of /Equipment on HOLD	Budget	Placed on Hold for FY2020
101-305	778.000 Ammunition Supplies	Police	2yrs of Ammunition		16.000.00
101-202	779.000 Firearms	Police	Rifles/Guns & Conversion Kits		9,000.00
	970.000 Capital Outlay	Police	Key Fob System		11.000.00
			BCLN	36,000.00	
101-325 970.000 Capital Outlay 851.400 Equipment Maint/Repair	Dispatch	3rd Radio Console		63,429.00	
	Dispatch	Paint Cell Doors to match Dispatch		10,000.00	
			BCLN	73,429.00	
	FY2020 General Fund fund balance budget appropriation				109,429.00