



CITY OF CHELSEA, MA
Department of Public Works

City Hall, 500 Broadway, Room 310 · Chelsea, MA 02150
Phone: 617.466.4200 · Fax: 617.466.4210

Public Water Supply
3057000

April 29, 2022

Mr. Kevin Brander, P.E
Wastewater Management Section Chief
Department of Environmental Protection/NERO
205B Lowell Street
Wilmington, Massachusetts 01887
massdep.sewagenotification@mass.gov
kevin.brander@mass.gov

Dear Mr. Brander,

In accordance with 314CMR16.0, Chelsea submits the enclosed Combined Sewer Overflow Preliminary Public Notification Plan. This plan highlights Chelsea's continued progress towards educating the public regarding Combined Sewer Overflows (CSOs) and alerting them to the health hazards that these outfalls may create. As an avid kayaker I am pleased with the progress that is being made in Chelsea and the surrounding area. Chelsea will continue to work towards sewer separation and closure of the remaining 3 CSO outfalls with the goal of improving the quality of water in The Chelsea River.

Please let me know if you have any questions or concerns.

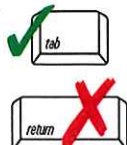
Shavaun Callahan
D3 | Primary Drinking Water Operator WSD Compliance Manager
Cross Connection Control Manager



Massachusetts Department of Environmental Protection
Bureau of Water Resources – Wastewater Management Program
Combined Sewer Overflow Preliminary Public Notification Plan

1. Facility Information

Important: When filling out forms on the computer, use only the tab key to move your cursor - do not use the return key.



City of Chelsea - Department of Public Works

Name of Permittee (Facility or System)

Shavaun Callahan

scallahan@chelseama.gov

Permittee Contact Name

Email Address

500 Broadway, Suite 310, Chelsea, MA 02150

Permittee Mailing Address

MA0101877

857-205-9571

NPDES Permit # (only for system with a wastewater treatment plant)

Phone number

System contains (check all that apply):

☒ Collection system

☐ Pump station(s)

☐ Wastewater treatment plant

Location of WWTP discharge, if applicable:

Please attach a map with locations of discharges and affected waterbodies.

2. Identification of Environmental Justice Populations

Are there Environmental Justice (EJ) populations that would potentially be affected by your wastewater treatment plant discharge(s) or a combined sewer overflow?

☒ Yes

☐ No

If there are EJ populations that would potentially be affected, do 25% or more of households lack English-language proficiency, and at least 5% of the population has speakers who self-identify as "do not speak English very well"?

☒ Yes

☐ No

Provide a list of all languages that notification will be translated into:

Spanish

Does your municipality provide translation of municipal documents in the languages listed above?

☒ Yes

☐ No

If you answered "yes" above, does your municipality's staff provide translation of municipal documents, or are translation services outsourced?

☒ Municipal Staff ☐ Outsourced

3. Discharges, Overflows, and Public Notification Content

When public notification is required: (check box to affirm)

☒ Permittee is aware that all events covered under 314 CMR 16.03(1)(a-e) require a public notification.

Required content of public notification: (check box to affirm)

☒ Permittee is aware of all required information for public notifications under 314 CMR 16.04(10)

Permittee can meet all requirements of 314 CMR 16.04(10)

☒ Yes

☐ No

If no, please describe in detail which components the permittee is not able to meet and the measures needed to comply. Attach a schedule for compliance.

Components that cannot be met

Schedule for compliance



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4. Discovery and Required Timeline for Notification

Is the permittee requesting approval to use a method other than metering to detect a discharge?
(Requires approval of MassDEP Commissioner)

Attach additional information on method to detect a discharge.

☐ Yes ☒ No

Discovery of a Discharge or Overflow:

Permittee can discover an event under 314 CMR 16.04(5)(a), (b) & (c)
within the required timeline?

☒ Yes ☐ No

If no, specify limitations to meeting these requirements and potential remedies, e.g., method of
detection does not allow for discovery within specified timeframe, staffing, etc.:

Issuance of Public Notification:

Permittee can meet the notification requirements in 314 CMR 16.04(4)

☒ Yes ☐ No

If no, why and what measures are needed for compliance?

Continuation of Public Notification:

Permittee can meet the notification requirements in 314 CMR 16.04(7)

☒ Yes ☐ No

If no, which requirement cannot be met and what measures are needed for compliance?

Cessation of Public Notification:

Permittee can meet the notification requirements in 314 CMR 16.04(8)

☒ Yes ☐ No

If no, why, and what measures are needed for compliance?

Retraction of Public Notification:

Permittee can meet the notification requirements in 314 CMR 16.04(9)

☒ Yes ☐ No

If no, which requirement cannot be met and what measures are needed for compliance?



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5. CSO Permittee Website

Does the permittee/sewer authority have an existing website or web page where relevant information is posted?



Yes



No

If yes, provide the URL:

<https://www.chelseama.gov/public-works/pages/combined-sewer-overflows>

Describe the subscriber-based system where the public can sign up to receive your notifications.

The public would go onto Chelsea's web page and sign up for notifications. Chelsea would utilize Constant Contact.

Permittee has a website and is able to meet the requirements under 314 CMR 16.05(1)(a-e)?



Yes



No

If no, specify limitations to meeting these requirements and potential remedies:

6. Signage

Permittee has consulted with the Board of Health/Health Departments in municipalities affected by their discharges for public access sign location points?



Yes



No

Attach a list of locations where signs will be installed and dates when signs will be installed.

Permittee is able to meet the signage requirements under 314 CMR 16.05(2)?



Yes



No

If no, specify limitations to meeting these requirements and potential remedies:

Permittee is able to meet the signage requirements under 314 CMR 16.05(3)?



Yes



No

If no, specify limitations to meeting these requirements and potential remedies:

7. Public Notification Recipients

Media Outlets

List the two media outlets serving the area near the discharge or outfall that the permittee will contact to provide a public notification. Include name of organization, name of contact, and contact's email address or fax number.

see attached

Name of media outlet #1

Name of media outlet #2



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7. Public Notification Recipients (cont.)

If permittee has determined that an EJ population could potentially be affected by a discharge or overflow, which of these media outlets serves the EJ population? If neither does, then provide at least one additional news organization that primarily serves the EJ population(s) within the impacted municipalities. (Include name of organization, name of contact, and contact's email address or fax number.)

Spanish - El Planeta - editor@elplaneta.com and El Tiempo Latino - editor@eltiempolatino.com

Name of additional media outlet serving EJ population if neither media outlet above serves EJ population

See Instructions for list of **Required Public Notification Recipients** (314 CMR 16.04(4)(a)). Please attach list of your required contacts.

Certification

I attest that I have examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certifying statement. The information contained in this submittal is, to the best of my knowledge, true, accurate, and complete. I am fully authorized to make this attestation on behalf of the facility.

Print Name Louis V. Mammollette
Signature *Louis V. Mammollette*

Title Acting DPW Commissioner
Date 04/28/22



CSO Preliminary Public Notification Plan

CITY OF CHELSEA, MA

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Section 1: Facility Information

The City of Chelsea, Massachusetts is located in Suffolk County directly across the Mystic River from the City of Boston. Chelsea is an old city that was first settled in 1624. Approximately 70% of Chelsea is serviced by combined sewers, and the remaining 30% is serviced by separate sanitary sewers and storm sewers. Chelsea's system consists of one (1) collection system and one (1) storm-water pump station. There are no sewage treatment plants located within Chelsea. During normal conditions sewage and combined sewage is discharged to MWRA interceptors that transport flows to The Deer Island Treatment Plant. Chelsea is permitted under NPDES permit # MA0101877 to discharge sewage to the Chelsea Creek during heavy rain events through three (3) CSO outfalls.

Chelsea is currently working towards separating its combined storm-drains and sewers to reduce the amount of untreated sewage that is discharged from the CSOs during high volume precipitation events. This reduction in volume and activation frequency will help to improve water quality in the Mystic-Chelsea Confluence.

CSO's in Chelsea that may discharge untreated combined sewage into Chelsea Creek/ Mystic Confluence [see Figure 1]:

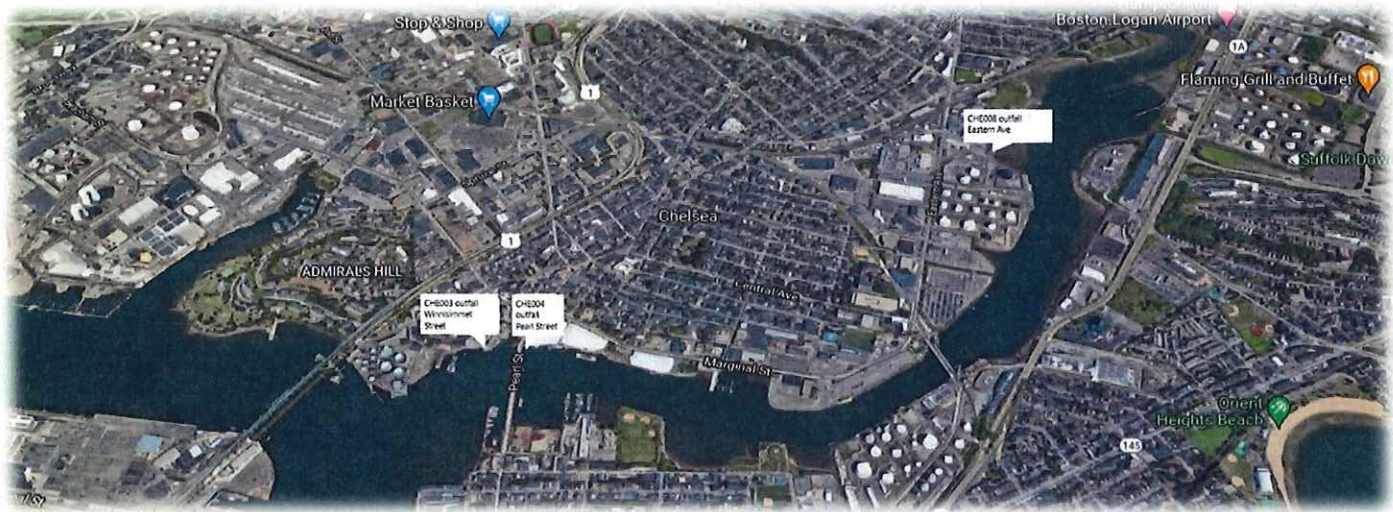
CHE002: Located on Broadway and discharges to Boston Inner Harbor. [Closed in 2014 • not shown on map]

CHE003: Located on Winnisimmet Street and discharges to Chelsea River.

CHE004: Located on Pearl Street under the Andrew McArdle Bridge and discharges to the Chelsea River.

CHE008: Located on Eastern Avenue in line with old Willoughby Street and discharges to the Chelsea River.

Figure 1. Chelsea CSO Outfall Locations





Section 2: Environmental Justice Populations

The Environmental Justice populations affected by potential Combined Sewer Overflows (CSO) discharges are described below.

Discharges from Chelsea's CSO outfalls will most likely not impact East Boston. The Chelsea Creek is a major shipping channel with strong currents, which generally prevent CSO flows from crossing the river. Boston Public Health Commission will be included in the email notifications. Chelsea residents may be impacted during activities such as fishing or boating. Chelsea has been classified as an Environmental Justice area with 25 percent or more of households lacking English proficiency. Chelsea provides Spanish translation of most documents. The Public Notifications sent through email will include translations of all information required to be included in 314 CMR 16.04(10) in both English and Spanish. We have several bilingual employees who frequently translate various Hispanic dialects, both in person and in writing. The City web page can be translated into over 100 languages. The public is able to select the language of their choice and read the available information regarding combined sewer overflows. A QR code with a link to the cities web page will be provided on the signage. The email will include a link to the web page that has more information regarding CSO activations, including a description of Combined Sewer Overflows.

El Planeta and El Tiempo Latino have been identified as newspapers that serve the Spanish speaking, E.J. populations in Chelsea and will be added to our email distribution list.

Section 3: Discharges, Overflows and Public Notification Content

Chelsea will include all of the required information in the public advisory notifications as described in 314 CMR 16.04(10).

Chelsea will include the mean volume discharge for each location from data reported to DEP and EPA for the prior three calendar years. If there was no discharge from a particular outfall for the previous 3 years, Chelsea will note that.

CSO outfalls CHE003, CHE004, and CHE008 discharge to the Mystic/Chelsea Confluence. Since all CSOs located within Chelsea discharge to the same water body a combined notification will be sent out.

When a discharge is either suspected or confirmed public notifications will be sent via email, using Chelsea's Constant Contact system. This notification will include a list of all Chelsea CSOs with information regarding activation times, average volumes and a link to Chelsea's web page. Notifications will be sent out to Boston Public Health Commission, all community members that have signed up on Chelsea's web page in addition to a list of stakeholders that currently receive notifications. The list of stakeholders consists of members of the EPA, MassDEP, MWRA, Mystic River Watershed Association, Green Roots, local newspapers, Chelsea Director of Public Health, The Boston Public Health Commission, city employees, and various other interested parties.



Content of Public Notification email:

To all Interested Parties,

In accordance with **NPDES Discharge Permit MA0101877**, the City of Chelsea is providing this notice of the following Combined Sewer Overflow (CSO) discharge(s) that may affect The Chelsea Creek and Mystic River in the areas surrounding Chelsea:

CHE003

Discharge location: Mystic/Chelsea River confluence off the end of Winnisimmet Street

Date and time discharge began:

Date and time discharge ended:

Duration:

Average overflow volume for the past 3 years:

CHE004

Discharge location: Chelsea River off the end of Pearl Street under the Andrew McArdle Bridge

Date and time discharge began:

Date and time discharge ended:

Duration:

Average overflow volume for the past 3 years:

CHE008

Discharge location: Chelsea River off Eastern Avenue in line with old Willoughby Street

Date and time of discharge:

Date and time discharge ended:

Duration:

Average overflow volume for the past 3 years:

Public Health Warning: *Public health officials recommend avoiding contact with water bodies during rainstorms and for 48 hours afterward discharge has ceased, as there may be increased health risks due to bacteria or other pollutants associated with urban stormwater runoff and CSO discharges. These discharges/overflows consists, or likely consists, of untreated treated sewage and waste.*

Please note that this notification is based on the average volume of CSO data for the last 3 years. Chelsea's CSO are impacted by tidal conditions which may influence this data. Please do not use the data contained in this notice for official purposes. Final activation data may be obtained from official discharge monitoring reports submitted to the Environmental Protection Agency monthly or from the City's CSO Annual Report, which is posted on the City's website. Additional information regarding Chelsea's CSOs is available on the City's website.

<https://www.chelseama.gov/public-works/pages/combined-sewer-overflows>

Other sources of relevant data:

<https://mysticriver.org/pollution>

<https://www.epa.gov/mysticriver/mystic-river-watershed-report-cards>

For specific information about this CSO activation, please contact Shavaun Callahan, Primary Operator/Compliance Manager. Cell: 857-205-9571 scallahan@chelseama.gov

Thank you, Chelsea WSD

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(857)205-9571 • <https://www.chelseama.gov/public-works/pages/combined-sewer-overflows>



A todas las Partes Interesadas,

De acuerdo con el permiso de descarga NPDES MA0101877, la ciudad de Chelsea proporciona este aviso de las siguientes descargas de desbordamiento de alcantarillado combinado (CSO) que pueden afectar a Chelsea Creek y Mystic River en las alrededores de Chelsea:

CHE003

Lugar de descarga: confluencia del río Mystic/Chelsea al final de la calle Winnisimmet

Fecha y hora en que comenzó el alta:

Fecha y hora de finalización del alta:

Duración:

Volumen de desbordamiento promedio durante los últimos 3 años:

CHE004

Lugar de descarga: Chelsea River al final de Pearl Street debajo del puente Andrew McArdle

Fecha y hora en que comenzó el alta:

Fecha y hora de finalización del alta:

Duración:

Volumen de desbordamiento promedio durante los últimos 3 años:

CHE008

Lugar de descarga: Chelsea River en Eastern Avenue en línea con la antigua Willoughby Street

Fecha y hora del alta:

Fecha y hora de finalización del alta:

Duración:

Volumen de desbordamiento promedio durante los últimos 3 años:

Advertencia de salud pública: los funcionarios de salud pública recomiendan evitar el contacto con los cuerpos de agua durante las tormentas y durante las 48 horas posteriores al cese de la descarga, ya que puede haber mayores riesgos para la salud debido a las bacterias u otros contaminantes asociados con la escorrentía de aguas pluviales urbanas y las descargas de CSO. Estas descargas/desbordamientos consisten, o probablemente consisten, en aguas residuales y desechos tratados sin tratar.

Tenga en cuenta que esta notificación se basa en el volumen promedio de datos de CSO de los últimos 3 años. El CSO de Chelsea se ve afectado por las condiciones de las mareas que pueden influir en estos datos. No utilice los datos contenidos en este aviso para fines oficiales. Los datos finales de activación se pueden obtener de los informes oficiales de monitoreo de descargas presentados mensualmente a la Agencia de Protección Ambiental o del Informe Anual de la CSO de la Ciudad, que se publica en el sitio web de la Ciudad.

Información adicional sobre las OSC de Chelsea está disponible en el sitio web de la ciudad.

<https://www.chelseama.gov/public-works/pages/combined-sewer-overflows>

Otras fuentes de datos relevantes:

<https://mysticriver.org/polución> <https://www.epa.gov/mysticriver/mystic-river-watershed-report-cards>

Para obtener información específica sobre esta activación de CSO, comuníquese con Shavaun Callahan, Operador principal/Gerente de cumplimiento. Celular: 857-205-9571 scallahan@chelseama.gov

Gracias, Chelsea WSD

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Section 4: Discovery and the Required Timeline for Notification Following Discovery of a Discharge or Overflow.

All active CSOs located within Chelsea are metered and monitored through a contract with Flow Assessment Services (FAS). Chelsea receives email notification when an alarm is activated. FAS staff analyze the data during regular business hours to confirm if there was an actual discharge. Staff will analyze multiple sensors and the tide since Chelsea's CSO outfalls are greatly influenced by tidal conditions. Then, a comparison will be made to confirm CSO discharge. Once FAS determines specifics they send this data to Chelsea Water/Sewer/Drain (WSD) staff, which have the ability to look at all data on the FAS web page during off hours to determine if an activation has occurred or if tidal influence has kept the tide gate closed.

Since Chelsea does not have operational staff on site 24 hours a day seven days a week, we will confirm that a discharge has occurred within 4 hours. If we are unable to confirm that a discharge has occurred within the timeframe we will presume that a discharge has occurred.

Chelsea will issue public advisory notifications as soon as possible, but no later than two hours, after discovery of a discharge or overflow.

Section 5: CSO Permittee Website

Chelsea utilizes Constant Contact to send out notifications. Interested parties can sign up to receive notifications on the Chelsea web page. There is a link to the sign up page on the CSO main page.

Notification of an activation will be posted on the City web page as soon as practicable.

For additional information regarding CSO's

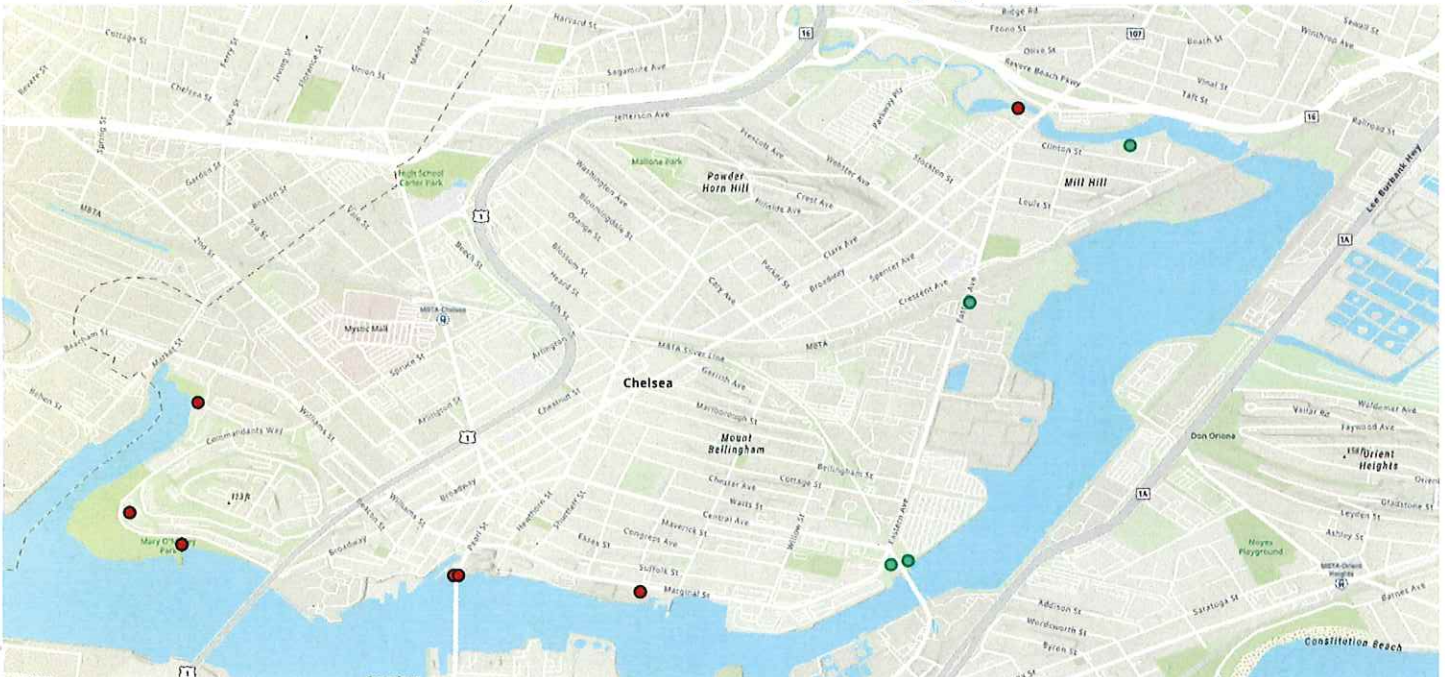
<https://www.chelseama.gov/public-works/pages/combined-sewer-overflows>



Section 6: Signage

- Chelsea has previously installed signs at each of its CSO outfalls [see Figure 1 for outfall locations].
- See Appendix A for photos of outfall signage.
- Public access signage will be placed in the locations on the map that are indicated in red [see Figure2].
- Potential future signage may be added in the locations marked in green [see Figure2].

Figure 2 • Location of Permanent Signage



Section 7: Public Notification Recipients

Chelsea will notify the following list of newspapers when there is a combined sewer overflow:

Boston Globe	newstip@globe.com	(617) 929-7400
Boston Herald	citydesk@bostonherald.com	(617) 619-6493
The Chelsea Record	stephen.quigley@reverejournal.com	(781) 485-0588
El Planeta	editor@elplaneta.com	(617) 379-0210

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Email distribution list, prior to the addition of constant contact:

Name	agency	email
	Department of Environmental Protection	massdep.sewagenotification@mass.gov
	Environmental Protection Agency	R1.EPANotifications@epa.gov
	Department of Public Health	DPHToxicology@mass.gov
	Boston Public Health Commission	Environment@BPHC.org
	Division of Marine Fisheries	jeff.kennedy@mass.gov
	Department of Conservation and Recreation	MEMA.StateControl@mass.gov
	Division of Fisheries and Wildlife	doug.cameron@mass.gov
	Operators of bathing beaches	Dennis.Fitzpatrick@state.ma.us
		The contacts below are subject to change
George Papadopoulos	EPA	papadopoulos.george@epa.gov
Todd Borci	EPA	Borci.Todd@epa.gov
Caitlyn Whittle	EPA	Whittle.Caitlyn@epa.gov
James Barsanti	MassDEP	james.barsanti@state.ma.us
Kevin Brander	MassDEP	kevin.brander@mass.gov
Pamela Merrill	MassDEP	Pamela.Merrill@state.ma.us
Jeremy Hall	MWRA	Jeremy.Hall@mwra.com
David Kubiak	MWRA	david.kubiak@mwra.com
Stephen Cullen	MWRA	Stephen.Cullen@mwra.com
Wenley Kilbride	MWRA	wenley.kilbride@mwra.com
David Wu	MWRA	david.wu@mwra.com
Betsy Riley	MWRA	Betsy.Reilley@mwra.com
Wendy Leo	MWRA	wendy.leo@mwra.com
Maret Smolow	MWRA	maret.smolow@mwra.com
Denise Ellis-Hibbett	MWRA	denise.ellis-hibbett@mwra.com
Chris Goodwin	MWRA	chris.goodwin@mwra.com
Brian Kubaska	MWRA	brian.kubaska@mwra.com
	Mystic River Watershed Association	Contact@mysticriver.org

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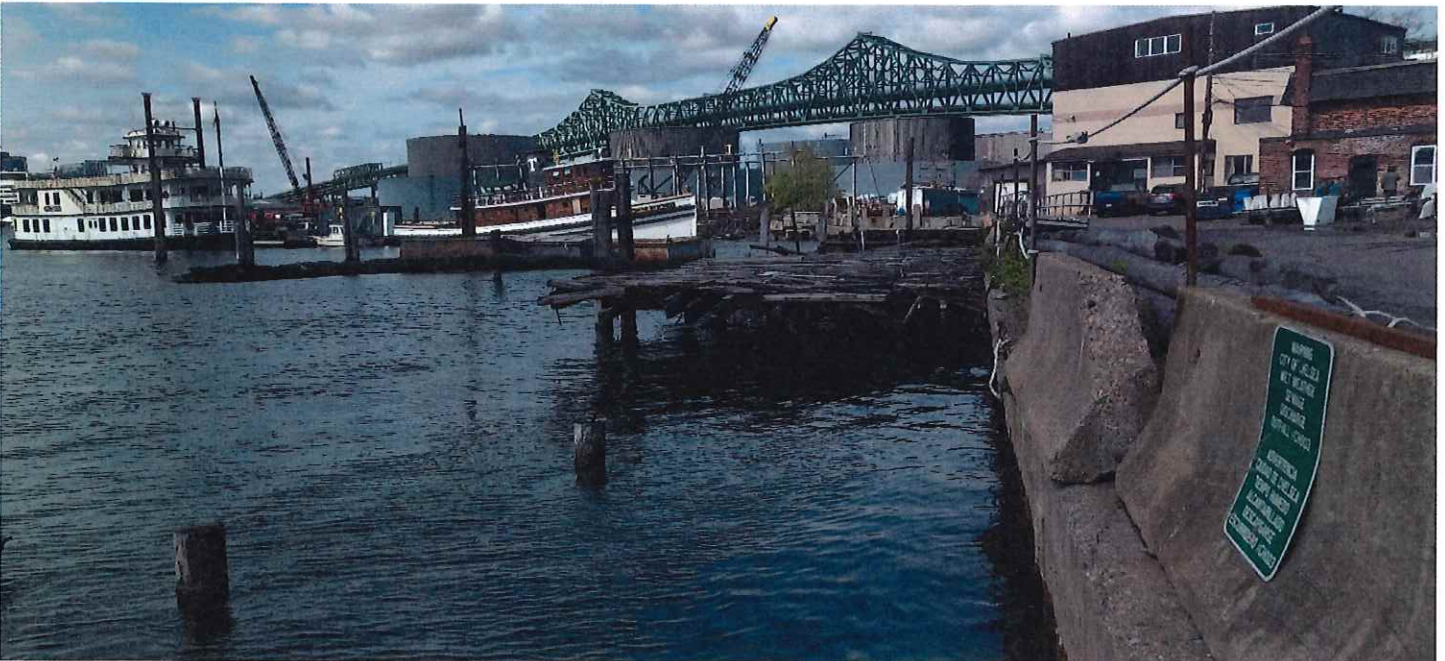


Michelle Liebetreu	Mystic River Watershed Association	michelle.liebetreu@mysticriver.org
Andrew Hrycyna	Mystic River Watershed Association	Andrew.Hrycyna@mysticriver.org
Vincent Miller	Chelsea Yacht Club	vincentmiller@hillintl.com
		info@mybostonmarina.com
Roseann Bongiovanni	Green Roots	RoseannB@greenrootschelsea.org
Dan Edwards	Flow Assessment	dedwards@flowassessment.com
David Bedoya	Dewberry	dbedoya@dewberry.com
Garvey, Peter	Dewberry	pgarvey@dewberry.com
Steven Perdios	Dewberry	sperdios@dewberry.com
	Boston Herald	jdwinell@bostonherald.com
	Boston Herald	Citydesk@bostonherald.com
	Boston Globe	leslie.anderson@globe.com
	Boston Globe	newstip@globe.com
Stephen Quigley	Chelsea Record	stephen.quigley@reverejournal.com
	El Planeta	editor@elplaneta.com
	El Tiempo Latino	editor@eltiempolatino.com
Flor Amaya	Chelsea - Director of Public Health	famaya@chelseama.gov
Lou Mammolette	Chelsea - Commissioner of Public Works	lmammolette@chelseama.gov
Cate Fox-Lent	Chelsea -Business and Grants Manager	cfox@chelseama.gov
Rebecca Wright	Chelsea - Assistant City Engineer	rwright@chelseama.gov
Luis Cetina	Chelsea -Assistant Superintendent WSD	lcetina@chelseama.gov
Theresa Cetina	Chelsea – Supervisor of Billing	tcetina@chelseama.gov



Appendix A

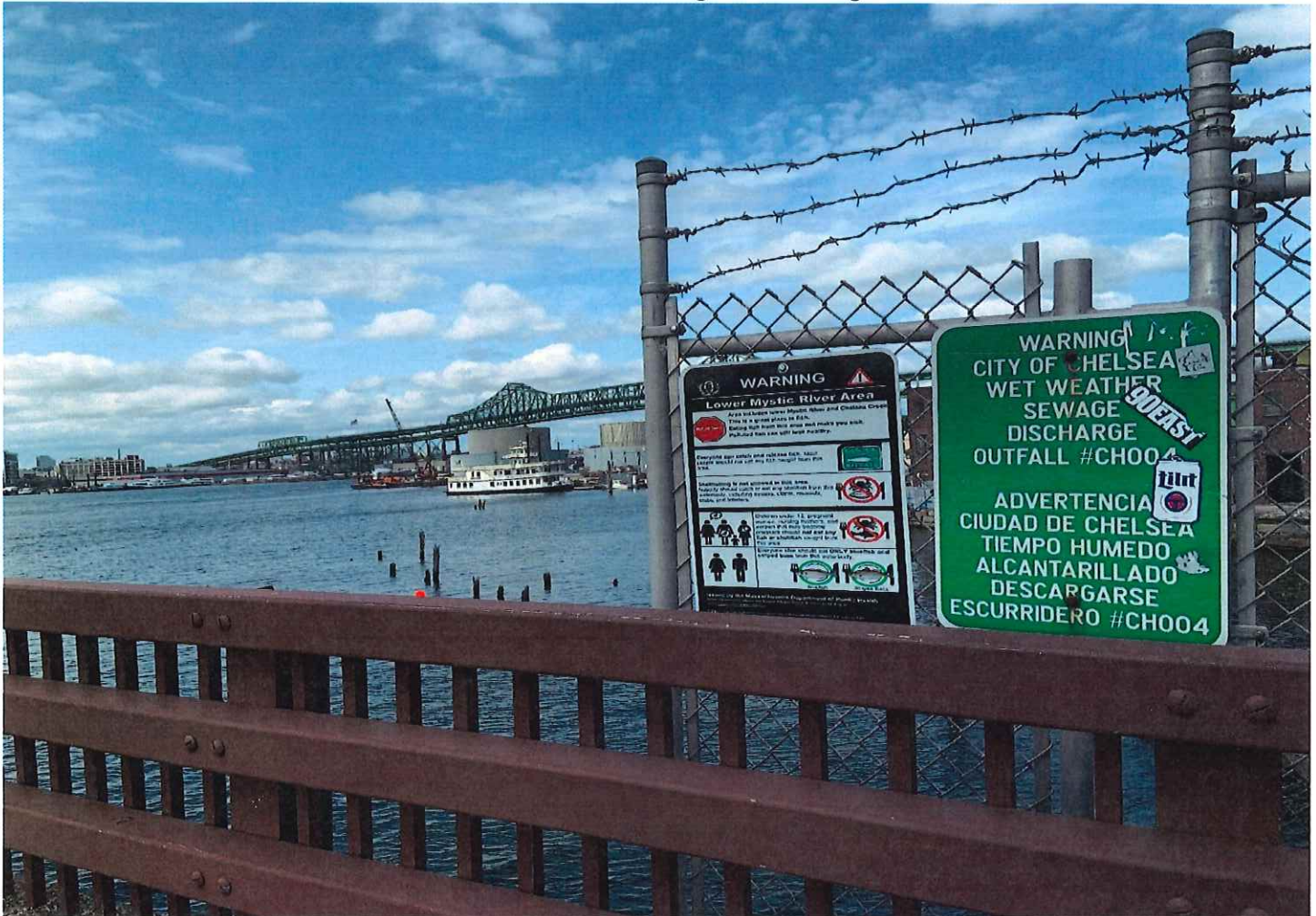
CHE003: Located on Winnisimmet Street and discharges to Chelsea River.



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CHE004: Located on Pearl Street under the Andrew McArdle Bridge and discharges to the Chelsea River.



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CHE008: Located on Eastern Avenue in line with old Willoughby Street and discharges to the Chelsea River.



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