

MS4 General Permit
City of Bridgeport 2023 Annual Report
 Existing MS4 Permittee
 Permit Number GSM 000017
 January 1, 2023 – December 31, 2023
 Primary MS4 Contact: Lauren Mappa, P.E. - GM, 203-332-5605 lauren.mcbennettmappa@bridgeportct.gov

This report documents Bridgeport's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2023 to December 31, 2023.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period (if needed, more space available after this table)	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
1-1 Implement public education and outreach	In Progress	*WPCA Rep attended 2 NRZ meetings on the East Side * WPCA held one [4] Zoom meetings with PT Partners to discuss the WPCA's Facility Plan for the WWTP Upgrades and CSO Control measures * National Water fly In add	Educate the public on storm water issues and topics	Lauren Mappa, P.E. WPCA; Jon Urquidi, City Engineer; Jose Tiago, Public Facilities	Ongoing	On-going throughout the term of the permit	N/A
	<i>In Progress</i>	See Item 1.1 The Dept. continues to try raise awareness about curb your dog to area resident as well as do not feed the geese signs. The Park Maintenance	Educate public about pollutants of concern	Lauren Mappa, P.E. WPCA; Jon Urquidi, City Engineer Jose Tiago, Public Facilities	Ongoing	<i>Ongoing</i>	N/A

	Division continually refills the "MuttMutt" Dispenser's to make bags available to the public so they can pick up after their dogs.						
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Extra space for describing above BMP activities, if needed:

BMP	

1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable.

- Continue with activities similar to those described in 1.1, mail out flyers to all customers
- Through the partnership efforts with groundwork Bridgeport and other environmental non-profit groups the importance of tree planting to mitigate stormwater runoff and combat climate shall be communicated to the community as well as through volunteer efforts to implement tree plantings.

1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Due to Covid – 19 we were limited to in person meetings. However, various Zoom Meetings were held. See 1.1 for details	All WPCA Customers	To be Determined		WPCA

2. Public Involvement/Participation (Section 6(a)(2) / page 21)

2.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details

2-1 Final Stormwater Management Plan publicly available	Complete		Posted as required by regulations	Lauren Mappa, P.E. WPCA	April 3 2017	Completed	Posted on www.bridgportct.gov Available at 695 Seaview Avenue, Bridgeport, CT 06607
2-2 Comply with public notice requirements for Annual Reports	In Progress	Discussed at monthly public Board of Directors Meeting	Posting Draft and Final Annual Report	Lauren Mappa, P.E. WPCA	Draft Annually by Feb 15 Final by March 30.	Draft February 15, 2024 Final by March 29, 2024	Posted on www.bridgportct.gov Available at 695 Seaview Avenue, Bridgeport, CT 06607

2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable.

Mail flyers to all customer's and have annual water Quality Summit.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan to public	YES	4/3/2017	Posted on www.bridgportct.gov Available at 695 Seaview Avenue, Bridgeport, CT 06607
Availability of Annual Report announced to public	YES	Discussed at monthly public Board of Directors Meeting; Draft posted 2/15/2024 Final Posted 3/29/2024	Posted on www.bridgportct.gov Available at 695 Seaview Avenue, Bridgeport, CT 06607

3. Illicit Discharge Detection and Elimination (Section 6(a)(3) and Appendix B / page 22)

3.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details

3-1 Develop written IDDE program	In progress Delayed due to Covid-19	In process of completing written IDDE program using the CT IDDE program template	PUBLISH written plan of IDDE program	City Attorney Toms Jon Urquidi, City Engineer	Jul 1, 2018		
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In progress, Ongoing	Accumulating outfall information, start mapping	Complete the mapping	WPCA/Lauren Mappa, P.E Jon Urquidi, City Engineer Curtis Denton, IT	July 1, 2019	Ongoing – 90% Complete	Rev
3-3 Implement citizen reporting program	Ongoing	City implemented a SeeClickFix program	Response to complaints	WPCA/Lauren Mappa, P.E	July 1, 2017	Ongoing for duration of permit	
3-4 Establish legal authority to prohibit illicit discharges	Done	Included in City Ordinances	Enforcing Legal Authority	WPCA/Lauren Mappa, P.E; City Attorney/Tyisha TomsMeyer	July 1, 2018	Done	
3-5 Develop record keeping system for IDDE tracking	Done	Since 2005 the WPCA has had a method of recording	Done	WPCA/Lauren Mappa, P.E	July 1, 2017	Done	
3-6 Address IDDE in areas with pollutants of concern	In progress	To complete a second round of wet weather outfall sampling	Ongoing	WPCA/Lauren Mappa, P.E	Not specified	Ongoing	

3.2 Describe any IDDE activities planned for the next year, if applicable.

Continue with Bruce Brook & 4 Combined with Stratford. Joint Effort

WPCA hired Harbor Watch to perform these services.

Continue to maintain master IDDE tracking sheet and ensure all employees involved in IDDE program understand the login process. Ongoing

3.3 List of citizen reports of suspected illicit discharges received during this reporting period. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Date of Report	Location / suspected source	Response taken
	None	

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
East Main & East Washington	1/20/2023 15:15-16:24	No	100 Gal. Est	Grease, Wipes	Combined Main Jettted and cleared	
248 Salem St	1/20/2023 17:8-17:45	No	50 Gal. Est	Grease & Debris	Combined Main Jettted and cleared	
187 Andmore	1/28/2023 17:47-2:00	No	1200 Gal. Est	Force main Break, Leak in Pavement	Repaired	
31 Sage Avenue	2/7/2023 9:30-10:20	No	100 Gal. Est	Grease & Debris	Main Jettted and cleared	
432 Fairview Avenue	2/21/2023 15:46-16:48	No	100 Gal. Est	Lateral break, debris into Main, leak off curbline	Main Jettted and cleared	
303 Pearl Harbor	2/24/2023 11:25-12:05	No	50 Gal. Est			
147 Priscilla Street	3/2/2023 16:38-19:20	No	N/A	Grease & Debris	Main Jettted and cleared	
259 Beach Street	3/5/2023 17:20-20:36	No	N/A	Grease & Debris	Basement	
181 Wessels Avenue	3/6/2023 12:00-13:01	No	300 Gal. Est	Grease & Debris	Manhole cleaned & cleared	
40 Sanford Place	3/14/2023 15:45-16:45	No	N/A	Grease & Debris	Basement	
Wake & Pearl Harbor	3/15/2023 11:00-11:35	No	1000 Gal. Est	Grease & Debris	Manhole cleaned & cleared	
422 Pearl Harbor	4/6/2023 13:58-14:01	No	20 Gal. Est	Grease & Debris		
1065 Housatonic Avenue	4/7/2023 9:40-10:47	No	20 Gal. Est	Grease	Manhole cleaned & cleared	
1905 Barnum Avenue	5/3/2023 10:18-10:33	No	20 Gal. Est	Grease	Manhole cleaned & cleared	

344 W. Morgan Street	5/9/2023 9:03-11:42	No	None	Clogged Line	Line jettied and cleared
251 North Avenue	5/10/2023 10:30-10:58	No	30 Gal. Est	Grease & Debris	Manhole cleaned & cleared
1068 State Street	6/11/2023 14:02-15:45	No	N/A		Basement
660 William Street	6/16/2023 17:30-17:46	No	N/A		Basement
40 Enfield Avenue	6/26/2023 13:11-13:21	No	5 Gal. Est	Rocks	Manhole cleaned & cleared
50 Sunshine	8/3/2023 12:40-13:41	No	N/A	Grease & Rags	Basement
1680 Reservoir Avenue	12/11/2023 13:56-14:51	No	1000 Gal. Est	Grease & Rags	Manhole cleaned & cleared
299 Bishop Ave	1/6/2022 1/19/2022	Yes		Sanitary connected to storm sewer	Reconnected to sanitary sewer
180-182 Dover Street	3/31/2022 4/5/2022	Yes		Sanitary connected to storm sewer	Reconnected to sanitary sewer
316 Woodrow Avenue	12/8/2022 12/27/2022	Yes		Flow from leaking Sanitary/Lateral entering storm sewer	Lateral Repair
98 Foster Square	10/5/2022 9:03-9:20	No		Main line surcharge	Cleared clogged main line
730 Broadbridge Avenue	10/19/2022 1:10-13:34	Yes	1000 gal. est.	Debris, grease, storm connection to manhole	Storm line cleaned
123 Sunshine Pl.	11/9/2022 14:10-14:20	No		Main line clogged with grease & wips	Line jettied and blockage cleared
2135 Boston Avenue	11/10/2022 10:05-11:13	No		Grease in main	Jettied main line and blockage cleared
358 Hawley Avenue	12/10/2022 12:07-13:13	No		Clogged sewer main	Jettied line and problem resolved
259 Dover Street	12/15/2022 10:40-11:38	No		Clogged sewer main grease and debris	Jettied line and problem resolved
	12/15/2022 13:20-14:50	No		Clogged main line	

596 Pearl Harbor	12/16/2022 8:45-10:21	No		Clogged main line with grease & rags	Jettied line and problem resolved	
1315 Boston Avenue	12/20/2022 19:25-19:40	No		Clogged main line with grease & rags	Jettied line and problem resolved	
120 Lorraine	12/27/2022 21:48-838	No			Jettied line and problem resolved	
Noble & William Street	3/3/21	Yes	500 gal. est.	Clogged line with grease and debris Sanitary connected to storm sewer	Jettied and Cleaned mainline, line flowing freely Reconnected to sanitary sewer	
245-275 Palisades Ave	3/16/21	Yes			Reconnected to sanitary sewer	
146 Dover Street	4/13/21 5/17/21	Yes		Sanitary connected to storm sewer	Reconnected to sanitary sewer	
690 Dewey Street	5/18/21 6/15/21	Yes		" "	Reconnected to sanitary sewer	
297/299 Dover Street	4/6/21 5/31/21	Yes		" "	Reconnected to sanitary sewer	
211 Remington Street	5/ /21	Yes		" "	Reconnected to sanitary sewer	
690 Dewey Street	6//2021	Yes		" "	Reconnected to sanitary sewer	
54 Congress Street	4/24/19	Yes		" "	Reconnected to sanitary sewer	
562/564 Bishop Ave	9/19/19	Yes		" "	Reconnected to sanitary sewer	
525 Water Street	9/27/19	Yes		" "	Reconnected to sanitary sewer	
139 Kent Street	2/14/19	Yes		" "	Reconnected to sanitary sewer	
347 Kent Ave	2/4/19	Yes		" "	Reconnected to sanitary sewer	
1900-1904 Boston Ave	10/17/19	Yes		" "	Reconnected to sanitary sewer	
30 Dupont Place	11/17/17	Yes		" "	Reconnected to sanitary sewer	
Boston/Seaview Aves	7/31/17	Yes, Stillman Pond	51-500 gallons	sewer line blockage sewer line blockage [grease]	jettied line; completed 11/17/17 Jettied line;: completed 7/31/17	

82 Goldenrod Avenue	4/1/17	yes, Ox Brook	51-500 gallons	sewer line blockage [grease]	Jetted line; completed 4/1/14	
287 Scofield Avenue	12/27/16	Yes, Ash Creek		sewer line blockage [grease]	Jetted line; completed 12/27/16	
195 Glenbrook Road	3/9/16	Yes, Yellow Mill Channel	51-500 gallons	sewer line blockage [grease]	Jetted line; completed 3/9/16	
Indian/Saunders Aves	2/10/16	Yes, Island Brook	1000 gallons	sewer line blockage	Jetted line; completed 2/10/16	
62 Alford Street	UNKNOWN	Yes, Success Lake	1000 gallons	Connected to Storm Sewer found by dye testing and TV inspection after sampling analysis by Harbor Watch showed fecal coliform	Disconnected from storm sewer and connected to sanitary sewer 2017	
92-94 Alford Street	UNKNOWN	To Storm Sewer		" "	Disconnected from storm sewer and connected to sanitary sewer 2017	
100-102 Alford Street	UNKNOWN	To Storm Sewer		" "	Disconnected from storm sewer and connected to sanitary sewer 2017	
58 North Bishop Avenue	UNKNOWN	To Storm Sewer		" "	Disconnected from storm sewer and connected to sanitary sewer July 2018	
300 Kent Avenue	UNKNOWN	To Storm Sewer		" "	Disconnected from storm sewer and connected to sanitary sewer July 2018	
88/92 Kent Avenue	UNKNOWN	To Storm Sewer		" "	Disconnected from storm sewer and connected to sanitary sewer July 2018	
324 Pearl Harbor St.	UNKNOWN	To Storm Sewer		" "	Jetted line; completed 2/9/16	
Reservoir Ave /Rainbow Road	UNKNOWN	To Storm Sewer		" "	Jetted line; completed 1/27/16	

Clover Hill/Reservoir Aves.	UNKNOWN	To Storm Sewer	Sewer line blockage	jettied line; completed 11/20/15	
415 Hooker Road	UNKNOWN	To Storm Sewer	Sewer line blockage	jettied line; completed 10/14/15	
1900 Fairfield Avenue	UNKNOWN	To Storm Sewer	Sewer line blockage	jettied line; completed 10/1/15	
Rooster River Pump Station	UNKNOWN	To Storm Sewer	Sewer line blockage	jettied line; completed 9/30/15	
750 Wordin Avenue	UNKNOWN	To Storm Sewer	Sewer line blockage Auto pump failure	Pump put on manually, installed a separate high level alarm; completed 3/7/14	
Alfred Street	UNKNOWN	To Storm Sewer	Found during TV inspection	Eliminated 4/19/17	
	UNKNOWN	To Storm Sewer	Found during EPA308 investigation	Eliminated 9/7/17	

3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

Reports are tracked on a table which includes the location, date, and how they were resolved. Table is maintained by WPCA staff.

3.6 Provide a summary of actions taken to address septic failures using the table below.

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	156

Estimated or actual number of interconnections	6 watercourses
Outfall mapping complete	Under way
Interconnection mapping complete	Under way
System-wide mapping complete (detailed MS4 infrastructure)	City wide sewer mappings is about 90% complete. Expected completion in the next 6 months
Outfall assessment and priority ranking	Under way
Dry weather screening of all High and Low priority outfalls complete	Complete
Catchment investigations complete	Near Completion
Estimated percentage of MS4 catchment area investigated	Near Completion

3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).

Our Contract Operator provides training to its staff on a regular basis and has a full-time Health and Safety Officer on site. Training includes spill prevention, hazardous waste cleanup, reporting requirements for overflows, etc.

All City employees were issued a Combined Sewer Overflow Guide during 2017. Reminders are issued annually.

4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet	Ongoing	Continue to enforce Storm Water Manual and update as necessary	Legal authority granted by City Council to City's	Engineering/Jon Urquidí PE, City Engineer	Jul 1, 2019	Since 2009 Revised Sept. 2019 to create more stringent	Construction of Legal Authority: Any new development more than 05 acres and near watercourse is required to

requirements of MS4 general permit		Storm water manual was updated June 2022	Engineering Department	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2019	regurgitations pertaining to disconnecting DCIA and to promote additional peak flow requirements.	submit Soil and Erosion Control Plan to the Engineering Department for approval. The Engineering Department conducts an inspection for Soil Erosion measures in place during construction. The Zoning Department is the legal authority to enforce Soil Erosion and control measures during construction.
4-2 Develop/implement plan for interdepartmental coordination in site plan review and approval	Ongoing	The City has a plan in place through the Building Permit process called Energov	Plan implemented	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2019	In effect prior to MS4 permitting	Part of Building Permit process
4-3 Review site plans for stormwater quality concerns	Ongoing	All development in the City is part of the site plan process and subject to stormwater regulations.	Site Plan review on all development	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2019	Since 2009	<i>Remains in place, Ongoing</i>
4-4 Conduct site inspections	Ongoing	Periodic site visits performed on case by case basis. In addition to inspection of soil and erosion control (for projects over ½ { }) engineering is now inspecting storm water contralnsystems.	Perform site inspections	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2019	Ongoing	Site inspections are performed by various departments (Zoning, Engineering, and Building) in addition to requirements of asbuilt inspection and survey to be performed by a State of CT PE Remains in place. Additional site visits are being performed by staff. Zoning and Engineering have collaborated om inter-department inspections to address any concerns related to SE & SC plans with extra attention placed on priorities over .5 acres & in flood prone areas.
4-5 Implement procedure to allow public comment on site development	Ongoing	Procedure is in place for public comment as part of the Zoning application process	Develop a method of organizing public comment	Zoning/Paul Boucher	Jul 1, 2019	In effect prior to MS4 permitting. Record keeping prior to July 2009	<i>Remains in Effect; Ongoing</i>

4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Ongoing	Procedure is in place for public comment as part of the Coastal Site Plan review in the Zoning application process	Develop a matrix to track projects requiring DEEP involvement	Zoning/ Paul Boucher	Jul 1, 2019	In effect prior to MS4 permitting	Remains in Effect
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Extra space for describing above BMP activities, if needed:

BMP							
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4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

Engineering has incorporated post-construction asbuilt requirements for developments requiring stormwater runoff control measures. In addition, maintenance and operations of these installations are now required to be filed on the land records of these sites and the requirements in these filings are the responsibility of the current and future property owners. The Engineer of records and the owner must sign these operations and maintenance documents. They are filed on the land records and transfer from property owner to property owner in the event of a sale. The entire process will be tracked and administered through Energov.

5. Post-construction Stormwater Management (Section 6(a)(5) / page 27)

5.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	Ongoing	Continued enforcement of the revised stormwater regulations and promotion of LIDs as part of site development	Some enforcement of DCIA reduction on larger scale projects	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2021	July 1, 2021	Ongoing – Part of site plan review. Engineering and GIS development are working together to establish baseline mapping and will continue to coordinate.

5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing	Continued enforcement of current regulations and ongoing revisions to regulations as necessary	Some enforcement of DCIA reduction on larger scale projects	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2019	July 1, 2019	Continue enforcement of DCIA reduction on large scale developments and redevelopments.
5-3 Identify retention and detention ponds in priority areas	Ongoing	Some work in establishing detention areas as part of flood control projects. Continue to work in areas as part of floodcontrol projects: Oxbrook detention and Rooster River	Establishment of new detention areas	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2020	Maintenance plan for SW ponds & treatment structures: The City does not have any owned SW ponds. We have 6 storm treatments Scrutures that will be maintained at least once a year	Proceeding with Flood control projects Ox Brook) that incorporate detention as a means to control flooding. Additional sub projects (retention and detention) are being identified. Ox Brook Flood Control Project will begin construction in 2022. 2023 Rooster River detention with the Town of Fairfield
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	Same	Same	Same		Ongoing beginning Jul 1, 2019	Same	Continue to work with Public Facilities on maintenance of existing streams and detention areas. On site infiltration for development now requires a maintenance and operation plan this is signed by the owner of record and the engineer of record to be filed on the land records as a responsibility of the owner
5-5 DCIA mapping	In progress	Preliminary work in identifying DCIA areas that can be disconnected from City systems through redevelopment	Establish a methodology for creating baseline and start removing	Engineering/Jon Urquidi PE, City Engineer	Jul 1, 2020	July 1, 2020	Determined baseline DCIA: The City has established baseline mapping by the guidance of UCONN NEMO and has

5-6 Address post-construction issues in areas with pollutants of concern	In progress		areas through redevelopment		Not specified		<p><i>determined that it falls under High Density fully connected area. The city overlays any new improvement on watershed basins to track DCIA. City is working in mean to map these DCIA's with possibility of incorporating GIS layers to identify and track disconnections. Areas of concerns are sampled as they are identified</i></p>
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5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

Maintenance plan for SW ponds & treatment structures: The City does not have any City owned SW ponds. We have 6 Storm treatment structures that will be maintained at least once a year.

5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/post-construction.htm. Scroll down to the DCIA section.

Metrics				
Baseline (2012) Directly Connected Impervious Area (DCIA)		Engineering		
DCIA disconnected (redevelopment plus retrofits)		Engineering		
Retrofit projects completed		Engineering		
DCIA disconnected		Engineering		
Estimated cost of retrofits		Engineering		
Detention or retention ponds identified		Engineering		

5.4 Briefly describe the method to be used to determine baseline DCIA.

Determined baseline DCLA: The City has established baseline mapping by the guidance of UCONN NEMO and has determined that it falls under High Density fully connected area. The city overlays any new improvement on watershed basins to track DCLA.

6. Pollution Prevention/Good Housekeeping (Section 6(a)(6) / page 31)

6.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
6-1 Develop/implement formal employee training program	In Progress	See BMP 1.1 annual stormwater management training provided by WSD osha training, snow plowing & flagging		WPCA/ Lauren Mappa, P. E; Facilities/ Jose Tiago/Aaron Curry Engineering/Jon Urquidi PE, City Engineer Parks & Recreation		Jul 1, 2019	Ongoing for duration of permit

6-2 Implement MS4 property and operations maintenance	Ongoing	Private property maintenance performed by owner. City property performed by WPCA or Public Facilities	Procedures are ongoing	WPCA/ Lauren Mappa, P.E.; Engineering/Jon Urquidi PE, City Engineer, Parks & Recreation		Ongoing	Ongoing
6-3 Implement coordination with interconnected MS4s	Ongoing	Coordination with Town of Stratford on Bruce Brook and Town of Fairfield on Rooster River	Meet annually.	WPCA/ Lauren Mappa, P.		Ongoing	Ongoing
6-4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	Controlled by sewer use ordinance	Monitored	WPCA/ Lauren Mappa, P.E.		Ongoing	Ongoing
6-5 Evaluate additional measures for discharges to impaired waters*	Ongoing	Developing procedures	Implement a source/management program	Parks & Recreation/Stephen T. Hladun, WPCA/ Lauren Mappa, P.E.	By July 1, 2018	Ongoing	Ongoing
Dept. looks forward to working with WPCA and it's partners to evaluate impaired waters.employee training provided for key staff. webinars have been attended by Parks Administration staff. They include offerings found on the following website: https://www.epa.gov/soakuptherain more than 50% Reduction of amount of fertilizer and herbicides applied 5-10 years ago. Parks and Recreation Dept. continues to decrease the amount of fertilizers	See response to BMP5	See response to BMP5	Continue to coordinate with GIS staff	Track DCIA disconnects	Engineering/Jon Urquidi PE, City Engineer, Parks & Recreation	Ongoing	Ongoing for duration of permit

<p>and herbicides used and reduction of the turf area.</p> <p>The Park and Recreation Dept. is also reviewing opportunities to incorporate permeable pavements/infrastructure methods to hardscapes areas in parks. In 2021 the walking track at Seaside Bandshell was renovated and reconstructed with permeable recycled rubber and stone to improve the walking surface. This type of improvement is being evaluated for cost benefits and possible implementation at several other parks such as Beardsley where rain gardens introduced in hardscape areas may reduce runoff into the Pequonnock River Watershed, Newfield and Went field, among other.</p> <p>In addition, following TS Ida in early September 2021, where flooding impacted multiple areas around the City, especially the Rooster River Watershed, proactive measures by the Dept of Public Facilities such as debris cleanup, fallen tree removal and litter cleanup around catch basins have focused resources to reduce flooding. Efforts to improve and increase capacity to mitigate stormwater runoff around these areas are ongoing</p>	Ongoing	Continue to eliminate illegal discharges	Cleaner discharge	Engineering/Jon Urquidi PE, City Engineer; WPCA/ Lauren Mappa, P.; Public Facilities/ Jose Tiago	Jul 1, 2021	Will complete by July 1, 2021 VHB Street Checking	Public Facilities has a Capital Improvement program that consists of infrastructure improvements.
<p>6-7 Implement infrastructure repair/rehab program</p>							

					<p>WPCA also has a similar Capital plan for plant improvements and collection system upgrades</p>
<p>6-8 Develop/implement plan to identify/prioritize retrofit projects</p>	<p>Supporting Green Infrastructure Initiative</p>	<p>Develop/implement plan; provide tracking</p>	<p>Engineering/Jon Urquidi PE, City Engineer</p>	<p>Jul 1, 2020</p>	<p>Ongoing with OPED assistance. This is tracked through the Building Permit progress and disconnection is required based on size of development</p>
<p>6-9 Implement retrofit projects to disconnect 2% of DCIA</p>	<p>Seaview Corridor Bioswale, along with nature conservatory on additional flood prone areas.</p>	<p>Achieve removal</p>	<p>Engineering/Jon Urquidi PE, City Engineer;</p>	<p>July, 2022</p>	<p>The City will install bio-wales on the Seaview Avenue Corridor Project in 2022. The city is also in the final few months of an implementation of a complete street manual which will incorporate street-scape elements that include rain gardens and bio-wales. This will help the City with it's goals of continuing to disconnect impervious areas the are City owned such as Streets from the collection system.</p>

						repaired parking lots	
	Ongoing	Established policy for street sweeping(4/1-11/15): Residential streets once a month (8 times per year), Main roads twice a month (16 times per year), Downtown twice a week (64 times a year), Parks-a minimum of once a year, Municipal lots once a year	Annual street sweeping	Public Facilities/ Jose Tiago	Ongoing	Done; ongoing	
6-10 Develop/implement street sweeping program	In Progress	Clean all 8500 catch basins once a year	Goal of 8500 as been accomplished for the past 10 years	WPCA/ Lauren Mappa, P.	Ongoing	Completed every year. Ongoing	<i>Problem areas cleaned more often as necessary</i>
6-11 Develop/implement catch basin cleaning program	Ongoing	Pretreatment: Brine applied to all main roads, downtown district, hospital areas, and hills 24 hrs. before the start of an event. Treated salt applied to all roadways 1	Initiated snow management practices	Public Facilities/ Jose Tiago	Ongoing	<i>Ongoing</i>	
6-12 Develop/implement snow management practices							

		hr before a snow event					
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6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

Continue addressing with leaflets, brochures, and training of workforce.
 Parks and Recreation dept. has daily to monitor activities for pollution prevention and create good housekeeping activities applicable to all operations.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	On going
Street sweeping	
Curb miles swept	11,563 miles
Volume (or mass) of material collected	2067 load
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	# 8500
Total catch basins town- (or institution-) wide	# 8500
Catch basins inspected	# 8363
Catch basins cleaned	# 8363
Volume (or mass) of material removed from all catch basins	
Volume removed from catch basins to impaired waters (if known)	
Snow management	
Type(s) of deicing material used	salt & brine
Total amount of each deicing material applied	3200 tons of bulk rock salt with Ice Be Gone
Type(s) of deicing equipment used	brine tankers & salt spreaders
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	storms

Snow disposal location	Water St across from rear of 30 Congress St Fire HQ and 90 Acres Park in North End of Bpt.
<p>Staff training provided on application methods & equipment</p> <p>Municipal turf management program actions (for permittee properties in basins with N/P impairments) The Parks Administration and Parks maintenance division has made great progress developing Parks Improvement, Maintenance and Operations Plan the shall incorporate standards and levels of care to turf management and other best practices that may impact water quality.</p> <p>Parks Maintenance Division has greatly reduced the amount of fertilizer and herbicide used within daily operations. They have protected their re-seeding efforts with natural erosion control measures like hay.</p> <p>In some instances in proximity to water bodies where invasive species are cause for concern, mechanical and organic means of control have been deployed. At Capozzi Preserve near st. Mary's by the Sea large stands of mugwort have been suppressed through rolls of cardboard and wood chips at the request of the community rather than using herbicide.</p>	<p>yearly, ongoing</p> <p>Municipal turf Management program actions (for permittee properties in basins with N/P impairments): The Parks Administration and Parks Maintenance Division has made great progress developing a Parks improvement, Maintenance and Operations Plan that shall incorporate standards and levels of care for turf management and other best practices that may impact water quality. Parks Maintenance Division has greatly reduced the amount of fertilizer and herbicide used within daily operations. They have also protected their re-seeding efforts with natural erosion control measures like hay.</p>
Reduction in application of fertilizers (since start of permit)	50% of amount applied 5-10 yrs. ago.
Reduction in turf area (since start of permit)	The Parks and Recreation Dept. continues to decrease the amount of fertilizers used and reduction of turf area

Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	Dog Parks are located away from water bodies and have been maintained by its users thus far with Mutt Mitts, etc. Cost of mitigation actions and retrofits – at Johnson Oar Park the Green Infrastructure was incorporated into the entire park renovation project signs have been placed along waterbodies to deter the publics feeding of geese of Beardsley and Glenwood parks along the Pequonnock River. Erosion control coir logs and plantings have been installed along the Pequonnock River at Knowlton Park. At Johnson Oak Park and Jettie Tisdale School a green infrastructure system has been introduced to feed rain gardens
Cost of mitigation actions/retrofits	N/A, evaluating

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program

All 8500 catch basins located in the City of Bridgeport are inspected and cleaned a minimum of once a year (since 2005). This year 8363 catch basins were inspected and cleaned. In addition, should a back-up occur, or a citizen complaint is filed, the issue has been addressed immediately.

6.5 Retrofit program

Briefly describe the Retrofit Program Identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project.

Retrofit Plan Any new construction and additions which includes repaving parking lots, residential and commercial areas in the city disconnects impervious areas by installing Best Management and Low Impact development features on site. On-site infiltration is required for any project over 200 square feet. The city will be identifying more potential areas for on-street Bioswales to reduce ponding issues and improve water quality.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.

Develop retrofit plan: The City has implemented retrofit plan installing a few On-Street Bioswale in flooding prone areas and in combined sewer and storm areas capture on-street runoff and improve water quality. The City is also working on a storm water detention system that may reduce downstream floodings in the City. The city has Storm Water Ordinance (revised 6/6/2022) in place that requires stormwater management on site for any new construction, additions and repaved parking lots

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.

Continue to require disconnection through development by way of the revised 2022 stormwater manual. Continue to implement street-scape elements such as bioswales into City Capital Projects

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

- Nitrogen/ Phosphorus Bacteria Mercury Other Pollutant of Concern

1.2 Describe program status.

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.

1. All outfalls have been monitored 2 times for dry weather flow All outfalls have been monitored 1 time for wet weather flow, and 75% have been monitored a 2 nd time
2. See Below
3. No changes at this time.

2. Screening data for outfalls to impaired waterbodies (Section 6(i)(1) / page 41)

2.1 Screening data [SEE ATTACHMENT A]

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year's data showing a cumulative list of sampling data. You may also attach an excel spreadsheet with the same data rather than copying it into this table.

2.2 Credit for screening data collected under 2004 permit [SEE ATTACHMENT A]

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43) [SEE ATTACHMENT B]

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

Outfall	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
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Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5) [SEE ATTACHMENT C]

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank

2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)

2.1 Dry weather screening and sampling data from outfalls and interconnections [SEE ATTACHMENT D]

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. You may also attach an excel spreadsheet with the same data rather than copying it into this table.

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken

2.2 Wet weather sample and inspection data [SEE ATTACHMENT E]

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor. You may also attach an excel spreadsheet with the same data rather than copying it to this table.

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
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3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

3.1 System Vulnerability Factor Summary [SEE ATTACHMENT F]

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
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Where SVF's are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;

8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data [SEE ATTACHMENT G]

You may also attach an excel spreadsheet with the same data rather than copying it to this table.

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants

3.3 Wet weather investigation outfall sampling data [SEE ATTACHMENT H]

You may also attach an excel spreadsheet with the same data rather than copying it to this table.

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure None in 2020

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Lauren McBennett Mappa, General Manager	Print name:
Signature / Date:	Signature / Date:
Email: Lauren.Mcbennetmappa@bridgeportct.gov	Email:

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Jon Urquidi, City Engineer	Print name:
Signature / Date:	Signature / Date:
Email: jon.urquidi@bridgeportct.gov	Email:

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

<p>Chief Elected Official or Principal Executive Officer</p>	<p>Document Prepared by</p>
<p>Print name: Ebony Jackson Shahed, Director of Health</p>	<p>Print name:</p>
<p>Signature / Date:</p>	<p>Signature / Date:</p>
<p>Email: ebony.jackson-shahed@bridgeportct.gov</p>	<p>Email:</p>

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Craig Nadrizny, Director of Public Facilities	Print name:
Signature / Date:	Signature / Date:
Email: Craig.Nadrizny@bridgeportct.gov	Email:

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Mark Anastasi, City Attorney	Print name:
Signature / Date:	Signature / Date:
Email: Mark.Anastasi@bridgeportct.gov	Email:

Part IV: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name:	Print name:
Signature / Date:	Signature / Date:
Email:	Email:

City of Bridgeport Stormwater Outfall Testing - Location Index

Location	ID#	Street Address	Lat.	Long.
Orland Street	1-3	End of Street - Creek	41.164967	-73.224971
Scotfield	1-4	Outfall at bridge to dealership	41.164391	-73.226933
Hemlock	1-5	CB near 36 Hemlock	41.162330	-73.227237
Princeton Street	1-6	Behind theater parking garage	41.161501	-73.228734
Brewster St. and Ash Creek	1-7	Outfall by City Limits sign, MH behind in driveway	41.160614	-73.230068
Wilson and Ash Creek	1-8	MH behind in driveway	41.160621	-73.229961
Bennett Street and Ash Creek	1-9	Outfall Access from 925 Brewster	41.160185	-73.230851
		Outfall Access from 925 Brewster	41.159636	-73.231233
Davidson and Ash Creek	1-10	Headwall at end of road	41.157338	-73.233062
Fairfield Ave. and Ash Creek	1-11	Near Kali's Auto Body, outfall	41.153767	-73.236892
Livingston Street	1-12	55 Livingston	41.153482	-73.231615
Gilman and Seaside	1-13	MH On Gilman Between Lake and Seaside	41.152303	-73.231347
Gilman and Lake	1-14	MH on grass on Gilman and Lake	41.151951	-73.231814
Gilman and Quinlan	1-15	420 Gilman	41.151186	-73.231790
Eames Blvd (1)	1-16	Near Black Rock Battery 1776 sign	41.143553	-73.226954
Eames Blvd (2)	1-17	Black Rock Blvd./Armitage	41.145459	-73.225269
End of Beacon	1-18	Headwall on Beacon/Seabright	41.151496	-73.221954
Seabright	1-19	103 Seabright	41.152841	-73.221446
Ellsworth Park	1-21	MH at park, 65-103 Ellsworth St.	41.154986	-73.221085
End of Arthur Street	1-22	MH at 62 Arthur	41.158297	-73.218426
Yacht St.	1-23	MH at Ocean/Yacht	41.159006	-73.217775
St. Stephens	1-24	MH outside Captain's Cove Seaport	41.159358	-73.216687
End of Bostwick	1-25	MH at 86 Bostwick, aligned with Hydrant	41.159281	-73.211736
Morris St.	1-26	3 MHs on Morris/Bostwick	41.161252	-73.212023
End of Hancock	1-27	MH closest to sidewalk on O&G side	41.163023	-73.209925
South Sikorsky (5)	3-11	MH at corner of South Ave/Barnum Dyke	41.161612	-73.206028
Seaside (1)	3-12	Pylons in ocean line w/ outfall MHs	41.159517	-73.198547
Seaside (2)	3-13	Pylons in ocean line w/ outfall MHs	41.159652	-73.198061
Seaside (3)	3-14	Pylons in ocean line w/ outfall MHs	41.162541	-73.192173
Seaside (5)	3-16	Broad & Waldmere MS4 Site	41.163790	-73.185751
DeKalb and Central Ave.	6-2	Sample in CD on DeKalb near Dekald/Central	41.169445	-73.167304
Adams and Central Ave.	6-3	Centerline of Central Ave. and Jefferson	41.171187	-73.165923
Central Ave. & Eagle	6-4		41.173004	-73.165470
Connecticut and Stratford	6-10	1313 CT Ave.		
Stratford Ave	6-12	off sidewalk near billboard sign of bridge	41.176720	-73.175140
Waterview and Cedar	6-14	Outfall access by yacht club parking lot	41.176666	-73.176013
Waterview and Hamilton	6-16	In front of Barnum School Gate, 495	41.182059	-73.174229

City of Bridgeport Stormwater Outfall Testing - Location Index

Location	ID#	Street Address	Lat.	Long.
Kossuth	6-18	MH in lot behind dog track, connects to MH behind fence	41.180888	-73.184754
End of Nichols	6-19	Back parking lot of dog track, MH close to water	41.179948	-73.184680
Water and John (1)	6-21	Near train staircase by "East 130" sign	41.178245	-73.187194
Water and State	6-23	Crosswalk	41.176662	-73.187664
Stratford Ave II	6-28	In lot under highways	41.177237	-73.174464
Crescent and Williams	9-2	in front of 20 Crescent	41.184301	-73.185812
Congress and Housatonic	9-3	Juvenile Court parking lot (Single MH near the pair of MHs)	41.183083	-73.188124
Housatonic	9-4	Outfall on far side of boat landing	41.184051	-73.189218
		Sample from Double CB on Housatonic Across from park	41.183659	-73.191051
East Washington	9-5	At Bridge - outfall pipe	41.186225	-73.189468
Knowlton and E. Washington	9-6	Across from dealer	41.186088	-73.188272
Barnum and Knowlton	9-7	In driveway across from Barnum	41.187559	-73.187967
River and N. Washington	9-13	Near sidewalk, 640 N. Washington	41.194058	-73.188569
Lindley and N. Washington	9-14	Across driveway on centerline, 640 N. Washington	41.194106	-73.188073
N. Washington (1)	9-15	Bushwick		
Waterview and Crescent	10-3		41.185651	-73.191988
Barnum and Seaview	10-4	Storm MH that ties to a combined	41.186639	-73.170127
Arctic	10-5	Between Seaview and Helen	41.188871	-73.172090
Boston and Seaview	10-7	MS4 Site Across from former GE site	41.193220	-73.171015
Boston and Bruce Brook	10-8	Across from Dunkin	41.192412	-73.154308
Sage St.	10-9	70 Sage	41.190941	-73.155569
Barnum and Sage	10-10	Church parking lot next to McD	41.189342	-73.155035
End of Brookfield	10-11	End of street, LH MH	41.187396	-73.156074
St. Mathias	10-12	23-25 St. Mathias	41.197070	-73.154629
Cogswell and Goddard	10-13	Two MHs in picnic area opposite loading dock	41.201638	-73.175750
Roosevelt	10-14	9 Island Brook	41.198609	-73.187582
Chopsey Hill and Summit	10-15	Channel on Chopsey Hill, Between Pond and Slawson	41.207511	-73.196257
Fairview Ave Ext.	10-16	161 Fairview Ave Ext.	41.204401	-73.195711
Hart and Hawley	10-17	End of Hawley, toward channel	41.201606	-73.197994
Lindley and Hart	10-18	Back end of parking lot	41.199560	-73.197457
Glenwood and Ashley	10-19	At intersection	41.205142	-73.186716
Glenwood Park	10-20	Across from UI 1707,	41.203505	-73.188406
Chase St. (1)	10-21	By UI 8386	41.200745	-73.189017
Boston and Success	10-23A	Boston Ave at Success, on Double Yellow Lines		
Success and Boston	10-23B	On Success at Corner of Boston, (Easement)		
End of Grant	10-24A	End of grant St.		
Lakeside (1)	14-1	980 lakeside	41.220126	-73.210342
Lakeside (2)	14-2	870 Lake	41.221220	-73.209516

City of Bridgeport Stormwater Outfall Testing - Location Index

Location	ID#	Street Address	Lat.	Long.
Lakeside and Park Dr.	14-3	Frenchtown and Park Dr	41.219017	-73.213664
Pomham Rd.	14-4	MH at end of street, middle of roadway, between 41 & 42	41.218486	-73.227752
Gaspee Rd.	14-5	MH At end of road behind 45	41.218383	-73.229391
Tina Cir.	14-6		41.200060	-73.232976
Eckhart and Folino	14-7	Will sample between 67 & 229 at catch basin (MH)	41.220646	-73.234601
		Outfall to the right of No. 67, way in woods	41.219736	-73.234287
Anton Dr. and Edgemoor Rd.	14-8	outfall inaccessible sample at uphill MH between 119 & 126	41.216881	-73.229989
		MH	41.205523	-73.211646
Savoy and Amsterdam	14-10	Outfall inaccessible sample at MH between 269 & 257	41.203975	-73.210137
Westfield	14-12	Cant locate outfall, sample at large culvert between 297 & 3	41.203123	-73.210023
Fairview And Ezra	14-13	Found culvert w/brook, need to televise to locate sampling	41.204158	-73.200163
Harlem	14-14	Sample at MH between 236 & 235	41.200581	-73.209653
Quince	14-15	Sample at MH between 52 & 45	41.199825	-73.209981
Sidney	14-16	Cant locate outfall, sample at MH at #59	41.197052	-73.209478
Fairview	14-17	563 Fairview	41.202076	-73.209871
105 Pierce Ave.	14-19	MH at wood and Pierce	41.186864	-73.215880
Hughes Ave.	14-20	67-71 Hughes	41.184375	-73.215365
Brooklawn and Briarwood	14-21	one of the pipes from culvert	41.182773	-73.217938
Madison Ave	14-22	Centerline Perth on Madison (near #1342)	41.198294	-73.209673
Rooster River and Park Ave	14-23	Outfall at corner of Park/RR Blvd.	41.207466	-73.227402
Rooster River Blvd	14-24	MH and outfall across from RR Pump Station	41.208153	-73.226364
Birmingham and Bartlett	14-25	210 Birmingham	41.208865	-73.210465
Thorme	14-27	"WPCA" MH on Wayne and Thorme	41.207336	-73.210485
Birmingham	14-28	260 Birmingham	41.208501	-73.211415
Fern St.	14-29	49 Fern St.	41.210395	-73.210316
Janet Cir	14-30	Just before brook on Janet	41.211950	-73.227808
Martha and Rooster River	14-31	Outfall across 1 Martha Pl; Sample at 45 Martha	41.210717	-73.226394
Vincellette and Madison Ave	14-32	Centerline Madison at Vincelette	41.214452	-73.224194
Madison and R. River Blvd	14-33	2665 Madison	41.211534	-73.224252
Trelane St (2)	14-34	142 Trelane	41.217287	-73.220500
Vincellette and Perronet	14-35		41.218046	-73.217370
Main St. and Kaechelle Pl	14-36	Brookside place	41.224461	-73.218005
Goldenrod Ave.	14-37	118 Golden Rod	41.211717	-73.212557
Indian Field and Anton Dr.	14-38	256 Anton	41.221177	-73.220944
Lourmel St.	14-39	Sample at 56 Marcel (Ox brook)	41.216548	-73.215043
Marcel St.	14-40	Sample at 56 Marcel (Outfall)	41.216548	-73.215043
Goldenrod Ave. and Wayne	14-41	Middle of intersection	41.211614	-73.212803
Jewett Ave	14-42	60 Jewett Ave	41.212469	-73.212836
Stoerhs and Bartlett	14-43	Sample at Stoerhs/Wayne	41.210331	-73.212246

City of Bridgeport Stormwater Outfall Testing - Location Index

Location	ID#	Street Address	Lat.	Long.
Fern and bartlett	14-44	Fern and Wayne	41.209772	-73.211913
Tesiny Cir	14-45	In park	41.215575	-73.205437
Tesiny Cir and Griffin Ave.	14-46	20 Griffin Cir	41.216981	-73.204271
Valley Ave. and Michael St.	14-47	MH near Up St.	41.212630	-73.204591
Valley Ave.	14-48	55 Valley Ave.	41.213353	-73.202023
Valley Cir.	14-49	116 Valley Cir	41.213830	-73.203408
Platt St. and Overlook	14-50	685 Platt	41.214393	-73.203728
Saunders and Pond St.	14-51	Access MH at 499 Saunders	41.211463	-73.196342
Moffit and Indian	14-52	221 Moffit	41.212400	-73.195513
Douglas and Pond	14-53	196 Douglas	41.213320	-73.197786
Pitt St. and Indian Ave.	14-54	203 Pitt St.	41.213794	-73.197739
Woodrow and Pond St.	14-55	346 Woodrow	41.212283	-73.197590
Palmetto Rd. and Travis Dr.	14-56	Closer to Travis Dr.	41.225583	-73.223013
Old Town Rd. and Sunnydale	14-57	South Side of Intersection	41.226512	-73.222531
Anton	14-58	Sample at MH, between 265 & 291	41.219893	-73.220742
Trelane St. II	14-59	65 Trelane	41.217213	-73.219213
Texas	16-1	near building of 261 Texas	41.207914	-73.174737
End of Evers St.	16-3	Across from 360 Nutmeg	41.214821	-73.168506
Fairfax and E. Pasadena	16-5	MH closest to dead end, middle of street	41.217028	-73.167234
Greystone and E. Pasadena	16-6	302 E. Pasadena	41.216532	-73.166288
Broadbridge Brook	16-7	Broadbridge and Greystone	41.220543	-73.164450
End of Sullivan Place	16-8	50 Sullivan	41.221786	-73.164414
Pavlik Place	16-9	Corner of Pavlik, in front of dead end sign	41.223465	-73.161607
Masna Place	16-10	475 Silver Lane	41.225698	-73.159488
Holland Hill Rd.	16-11	360 Holland Hill Rd.	41.223392	-73.163367
Broadbridge and Glenbrook	16-12	MH on 300 Broadbridge, off glenbrook	41.221961	-73.172067
E. Pasadena (1)	16-13	On yard at 748 Huntington Tnpk	41.218598	-73.170581
E. Pasadena (2)	16-14	Centerline of E. Pasadena and Hooker	41.218427	-73.163367
Old Town and Brookside	16-15	Across from 849 Old Town	41.225055	-73.191017
Lakeside (3)	16-16	55 Lakeside	41.222406	-73.202002
Lakeside (4)	16-17	290 Lakeside	41.225303	-73.203100
Lakeside (5)	16-18	Across 186 Lakeside, headwall	41.223955	-73.202519
End of Pinepoint	16-19	2 Pinepoint	41.223229	-73.204749
Lakeside and Woodbine	16-20	Centerline of Lakeside on corner	41.225287	-73.206375
Dexter and Woodbine	16-21	Closest to 260 Dexter	41.226094	-73.206130
Dexter and Woodbine	16-22	222 Dexter	41.226266	-73.205363
Cumberland Dr.	16-23	Cumberland and Old Town	41.227802	-73.207443
End of Rodgerson Cir.	16-24	56 Rodgerson	41.227131	-73.205881
Dexter and Ridgebrook	16-25	Centerline of Dexter; near 434	41.226604	-73.208895
Fairfax Rd	16-26	367 Fairfax	41.218412	-73.166294

City of Bridgeport Stormwater Outfall Testing - Location Index

Location	ID#	Street Address	Lat.	Long.
Seltsam Rd and Henderson	16-27	In Intersection	41.213600	-73.184387
Seltsam Rd	16-28	MH across center of vacant lot (look for pipe flowing toward	41.215542	-73.183132
Seltsam Rd and Parkview	16-29		41.212367	-73.185390
Seltsam Rd and Eric St.	16-30		41.211299	-73.187098
Lynne and Greystone	16-31	324 Lynne	41.218269	-73.164404
Sequoia and Old Town	16-32	WPCA MH 2420 Old Town	41.224551	-73.215279
Lincoln Blvd/Lincoln Ave	8-1	325 Lincoln Blvd	41.192904	-73.210882
Licoh Ave. At Brook	8-2	502 Lincoln Ave	41.194274	-73.209041
Capitol	8-3	Between Park and Lincoln Avenues, 1205 Capitol	41.191517	-73.211223
<i>Capitol</i>	<i>8-3</i>	<i>Between Park and Lincoln Avenues, 1205 Capitol</i>	<i>41.191517</i>	<i>-73.211223</i>
Park Ave. and Jackson	8-4	2315 Park Ave.	41.189667	-73.212275
Park Ave. and Jackson II	8-5	Park/Jackson	41.189345	-73.212072
Laurel Pl. and Wood Ave.	8-6	1042 Wood Ave.	41.185476	-73.214879
Laurel Ave. and Wade	8-7	Centerline Laurel and Wade	41.183347	-73.215672
Boston and Seaview	10-7	MS4 Site Across from former GE site	41.193220	-73.171015
<i>Boston and Seaview</i>	<i>10-7</i>	<i>MS4 Site Across from former GE site</i>	<i>41.193220</i>	<i>-73.171015</i>
Bond St.	10-7-2	54-56 Bond St.	41.194231	-73.169498
	10-7-3			
Remington St. and Boston Ave.	10-7-4	Approx. 43 Remington St.	41.194058	-73.167648
47-51 Paliade Ave.	10-7-5		41.194221	-73.166694
Boston Ave. and Palisade Ave.	10-7-6		41.193463	-73.166652
156 Bond St.	10-7-7		41.195651	-73.168943
Tudor St. and Dover St.	10-7-8	MH just south of corner of Tudor and Dover	41.196151	-73.167850
Bond St. and Stewart St.	10-7-9	MH on Bond just before Stewart St.	41.199164	-73.167649
<i>Bond St. and Stewart St.</i>	<i>10-7-9</i>	<i>MH on Bond just before Stewart St.</i>	<i>41.199164</i>	<i>-73.167649</i>
Stewart St. and Remington St.	10-7-10		41.198913	-73.165871
<i>Stewart St. and Remington St.</i>	<i>10-7-10</i>		<i>41.198913</i>	<i>-73.165871</i>
	10-7-11			
	10-7-12			
242 Dover St	10-7-13		41.196746	-73.167685
Harding High School	10-7-14	Approx. 278 Bond St	41.197102	-73.168433
<i>Harding High School</i>	<i>10-7-14</i>	<i>Approx. 278 Bond St</i>	<i>41.197102</i>	<i>-73.168433</i>
	10-7-15			
Bond St. and Tudor St.	10-7-16		41.196222	-73.168837
Boston Ave. and Remington	10-7-17	Testing for the flow on Boston east of Remington	41.193467	-73.167870
Tudor St. and Remington St.	10-7-18	Testing for the flow on the Tudor St. side in MH		

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
1-4	6/24/2019	0.25	520	72000	7000	370	cfu/100ml	Northwest Labs	Yes
1-6	6/24/2019	0.54	18500	180000	2000	1000	cfu/100ml	Northwest Labs	Yes
1-11	6/21/2019	6.70	50500	>200000	61000	6500	cfu/100ml	Northwest Labs	Yes
1-12	10/31/2019	3.85	6600	8500	7200	9900	cfu/100ml	Northwest Labs	Yes
1-13	6/21/2019	2.97	8000	73000	10000	620	cfu/100ml	Northwest Labs	Yes
1-14	6/21/2019	2.92	39500	>200000	42000	120	cfu/100ml	Northwest Labs	Yes
1-15	6/21/2019	0.39	76000	>200000	84000	1090	cfu/100ml	Northwest Labs	Yes
1-16	10/31/2019	2.40	2800	5900	1300	6800	cfu/100ml	Northwest Labs	Yes
1-17	6/21/2019	1.02	11000	>200000	13000	1220	cfu/100ml	Northwest Labs	Yes
1-18	6/21/2019	0.80	1100	185000	1400	540	cfu/100ml	Northwest Labs	Yes
1-21	6/21/2019	6.63	10000	152000	18000	970	cfu/100ml	Northwest Labs	Yes
1-27	10/31/2019	Over Range	70000	95000	44000	107000	cfu/100ml	Northwest Labs	Yes
3-2	10/31/2019	6.79	1900	5600	300	5500	cfu/100ml	Northwest Labs	Yes
3-12	10/31/2019	6.12	200	3400	1000	1100	cfu/100ml	Northwest Labs	Yes
3-13	6/18/2019	12.30	1500	13000	2000	1960	cfu/100ml	Northwest Labs	Yes
3-13	10/31/2019	7.52	2900	27000	8000	7700	cfu/100ml	Northwest Labs	Yes
3-14	6/18/2019	29.90	16500	>200000	2000	53000	cfu/100ml	Northwest Labs	Yes
3-16	6/18/2019	3.62	3000	110000	5000	21500	cfu/100ml	Northwest Labs	Yes
6-19	6/19/2019	0.65	770	31000	830	16500	cfu/100ml	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
9-3	6/24/2019	0.62	70	1020	20	180	cfu/100mL	Northwest Labs	No
9-4	6/24/2019	4.74	770	51000	1000	190	cfu/100mL	Northwest Labs	Yes
9-5	6/25/2019	4.70	20	52000	780	60	cfu/100mL	Northwest Labs	Yes
9-6	6/25/2019	32.70	340	140000	4000	170	cfu/100mL	Northwest Labs	Yes
9-7	6/25/2019	31.80	26000	>200000	7000	23500	cfu/100mL	Northwest Labs	Yes
9-14	6/25/2019	26.80	56000	>200000	50000	51000	cfu/100mL	Northwest Labs	Yes
10-3	6/24/2019	6.52	1000	1800	30	120	cfu/100mL	Northwest Labs	Yes
10-7	6/24/2019	12.1	52500	>200000	72000	12500	cfu/100mL	Northwest Labs	Yes
10-8	6/24/2019	1.85	980	>200000	39000	13000	cfu/100mL	Northwest Labs	Yes
10-10	6/25/2019	24.00	70000	>200000	15000	95900	cfu/100mL	Northwest Labs	Yes
10-11	6/25/2019	13.70	28000	129000	4000	7500	cfu/100mL	Northwest Labs	Yes
10-12	6/25/2019	22.10	25000	>200000	30000	39000	cfu/100mL	Northwest Labs	Yes
10-13							cfu/100mL	Northwest Labs	Yes
10-14	6/24/2019	3.22	340	34000	40	170	cfu/100mL	Northwest Labs	Yes
10-15	7/18/2018	11.10	70000	90000	65000	16000	cfu/100mL	Northwest Labs	Yes
10-16	7/18/2019	8.32	40000	75000	50000	2200	cfu/100mL	Northwest Labs	Yes
10-17	7/18/2019	1.75	>200000	>200000	>200000	4200	cfu/100mL	Northwest Labs	Yes
10-18	7/18/2019	10.86	150000	>200000	>200000	10500	cfu/100mL	Northwest Labs	Yes
10-19	6/24/2019	1.20	1440	117000	4000	1610	cfu/100mL	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
10-23A	6/19/2019	4.56	30000	>200000	33000	41000	cfu/100mL	Northwest Labs	Yes
10-23B	6/19/2019	4.31	81000	>200000	92000	29500	cfu/100mL	Northwest Labs	Yes
10-24A	6/19/2019	7.43	91000	>200000	102000	42500	cfu/100mL	Northwest Labs	Yes
14-4	10/9/2019	6.68	18000	62000	4000	32000	cfu/100mL	Northwest Labs	Yes
14-5	6/17/2019	0.96	35	1600	20	240	cfu/100mL	Northwest Labs	Yes
14-6	6/17/2019	0.36	0	Absent	Absent	2	cfu/100mL	Northwest Labs	No
14-7	6/17/2019	1.98	242	48000	3000	5000	cfu/100mL	Northwest Labs	Yes
14-8	6/17/2019	8.04	540	>200000	>200000	100	cfu/100mL	Northwest Labs	Yes
14-10	6/13/2019	8.68	21978	>200000	19000	7992	cfu/100mL	Northwest Labs	Yes
14-12	6/13/2019	9.15	20646	>200000	26000	14652	cfu/100mL	Northwest Labs	Yes
14-13	7/18/2019	5.14	100000	110000	980000	2700	cfu/100mL	Northwest Labs	Yes
14-16	6/13/2019	8.43	>66600	>200000	>66600	>66600	cfu/100mL	Northwest Labs	Yes
14-20	6/18/2019	5.53	1000	99000	1500	970	cfu/100mL	Northwest Labs	Yes
14-21	6/17/2019	0.18	4	260	10	80	cfu/100mL	Northwest Labs	No
14-22	6/10/2019	14.60	30000	>200000	38000	48000	cfu/100mL	Northwest Labs	Yes
14-23	6/17/2019	0.38	10400	10000	11000	5500	cfu/100mL	Northwest Labs	Yes
14-24	10/9/2019	4.82	29000	82000	2000	38000	cfu/100mL	Northwest Labs	Yes
14-25	6/13/2019	4.45	35944	>200000	39000	39960	cfu/100mL	Northwest Labs	Yes
14-27	6/13/2019	10.54	>66600	>200000	>66600	>66600	cfu/100mL	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
14-28	6/13/2019	11.70	27306	>200000	35000	31302	cfu/100ml	Northwest Labs	Yes
14-29	6/13/2019	13.10	>66600	>200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes
14-32	6/10/2019	0.38	44	9800	50	42	cfu/100ml	Northwest Labs	
14-33	6/10/2019	18.80	72	21400	6200	100	cfu/100ml	Northwest Labs	Yes
14-36	6/10/2019	3.57	0	Absent	Absent	0	cfu/100ml	Northwest Labs	No
14-37	6/13/2019	17.30	87246	200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes
14-38	6/17/2019	0.71	320	6200	250	110	cfu/100ml	Northwest Labs	Yes
14-39	6/10/2019	15.80	184	>200000	200	188	cfu/100ml	Northwest Labs	Yes
14-40	10/9/2019	10.65	16000	49000	9000	21000	cfu/100ml	Northwest Labs	Yes
14-41	6/13/2019	0.29	20979	>200000	26000	19647	cfu/100ml	Northwest Labs	Yes
14-42	6/17/2019	3.28	3140	5000	1000	15000	cfu/100ml	Northwest Labs	Yes
14-43	6/13/2019	8.59	29637	>200000	35000	31968	cfu/100ml	Northwest Labs	Yes
14-44	6/13/2019	3.18	>66600	>200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes
14-45	6/17/2019	1.46	3240	142000	12000	55500	cfu/100ml	Northwest Labs	Yes
14-46	6/17/2019	0.65	160	11100	500	320	cfu/100ml	Northwest Labs	Yes
14-47	6/24/2019	0.70	11500	122000	5000	140	cfu/100ml	Northwest Labs	Yes
14-51	6/24/2019	8.37	230	>200000	24000	77500	cfu/100ml	Northwest Labs	Yes
14-52	7/18/2019	6.87	40000	11800	37000	60000	cfu/100ml	Northwest Labs	Yes
14-53	7/18/2019	2.01	24000	36000	22000	35000	cfu/100ml	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
14-54	6/24/2019	0.66	7500	36000	2000	120	cfu/100ml	Northwest Labs	Yes
14-55	7/18/2019	12.30	80000	>200000	95000	19000	cfu/100ml	Northwest Labs	Yes
14-58	6/10/2019	0.37	280	6400	310	330	cfu/100ml	Northwest Labs	Yes
16-6	6/11/2019	8.92	17600	>200000	15000	21400	cfu/100ml	Northwest Labs	Yes
16-7	6/11/2019	11.40	33600	>200000	37000	34600	cfu/100ml	Northwest Labs	Yes
16-8	10/3/2019	11.10	800	102000	100	9800	cfu/100ml	Northwest Labs	Yes
16-10	10/3/2019	2.75	1300	97000	3000	8800	cfu/100ml	Northwest Labs	Yes
16-11	10/3/2019	3.02	1100	74000	8000	7900	cfu/100ml	Northwest Labs	Yes
16-13	6/11/2019	9.19	61600	>200000	65000	73600	cfu/100ml	Northwest Labs	Yes
16-15	7/17/2019	9.15	1720	>4000	2020	940	cfu/100ml	Northwest Labs	Yes
16-16	7/17/2019	3.62	35000	>100000	41000	1600	cfu/100ml	Northwest Labs	Yes
16-26	6/11/2019	6.54	32400	>200000	36000	35600	cfu/100ml	Northwest Labs	Yes
16-27	7/17/2019	1.96	4800	>40000	6000	1380	cfu/100ml	Northwest Labs	Yes
16-32	7/17/2019	13.60	33000	>100000	31000	4100	cfu/100ml	Northwest Labs	Yes
8-1	10/9/2019	8.07	32000	85000	24000	71000	cfu/100ml	Northwest Labs	Yes
8-3	6/19/2019	4.10	19500	>200000	22000	31000	cfu/100ml	Northwest Labs	Yes
8-3	10/9/2019	24.60	57000	94000	69000	86000	cfu/100ml	Northwest Labs	Yes
8-4	6/19/2019	9.90	21000	167000	20000	29000	cfu/100ml	Northwest Labs	Yes
8-5	6/19/2019	2.32	15000	186000	26000	36000	cfu/100ml	Northwest Labs	Yes
8-6	6/19/2019	4.20	38500	>200000	40000	43000	cfu/100ml	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second

Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
8-7	10/9/2019	21.00	175000	>200000	>200000	90000	cfu/100ml	Northwest Labs	Yes
1-14	3/29/2020	10.40	-	-	>20000	-	cfu/100ml	Northwest Labs	Yes
3-16	3/29/2020	15.70	-	-	600	-	cfu/100ml	Northwest Labs	Yes
6-10	3/29/2020	9.46	-	-	>20000	-	cfu/100ml	Northwest Labs	Yes
9-3	3/29/2020	7.29	-	-	100	-	cfu/100ml	Northwest Labs	Yes
10-7	3/29/2020	8.38	-	-	>20000	-	cfu/100ml	Northwest Labs	Yes
10-16	3/29/2020	9.24	-	-	300	-	cfu/100ml	Northwest Labs	Yes
14-1	9/10/2020	3.00	17000	7000	2000	33000	cfu/100ml	Northwest Labs	Yes
14-2	9/10/2020	4.79	14000	20000	2000	21000	cfu/100ml	Northwest Labs	Yes
14-3	9/10/2020	4.37	3800	77000	4000	34000	cfu/100ml	Northwest Labs	Yes
16-16	9/10/2020	4.20	35000	15000	1000	37000	cfu/100ml	Northwest Labs	Yes
16-17	9/10/2020	10.38	22000	8800	600	18000	cfu/100ml	Northwest Labs	Yes
14-14	10/29/2020	8.16	16000	>20000	1000	17400	cfu/100ml	Northwest Labs	Yes
14-48	10/29/2020	10.07	4000	17000	900	7100	cfu/100ml	Northwest Labs	Yes
14-49	10/29/2020	10.69	3100	12700	500	14200	cfu/100ml	Northwest Labs	Yes
14-50	10/29/2020	15.50	9200	11000	200	11200	cfu/100ml	Northwest Labs	Yes
14-56	10/29/2020	5.41	4400	9900	400	5200	cfu/100ml	Northwest Labs	Yes
14-59	10/29/2020	11.10	8700	5800	200	4400	cfu/100ml	Northwest Labs	Yes
16-14	10/29/2020	6.99	2200	15000	400	12500	cfu/100ml	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
16-19	10/29/2020	4.83	13200	>20000	900	>20000	cfu/100ml	Northwest Labs	Yes
16-20	10/29/2020	7.74	>20000	>20000	300	>20000	cfu/100ml	Northwest Labs	Yes
16-21	10/29/2020	9.21	16800	15800	1400	>20000	cfu/100ml	Northwest Labs	Yes
16-22	10/29/2020	5.73	15700	11500	200	7700	cfu/100ml	Northwest Labs	Yes
16-25	10/29/2020	4.70	9700	12000	300	13700	cfu/100ml	Northwest Labs	Yes
10-9	10/30/2020	5.57	5000	7200	300	7900	cfu/100ml	Northwest Labs	Yes
10-21	10/30/2020	32.80	5500	9400	200	7500	cfu/100ml	Northwest Labs	Yes
16-28	10/30/2020	9.10	3500	5200	300	1100	cfu/100ml	Northwest Labs	Yes
16-29	10/30/2020	5.08	6000	12100	400	14500	cfu/100ml	Northwest Labs	Yes
16-30	10/30/2020	6.12	2400	4600	200	4100	cfu/100ml	Northwest Labs	Yes
16-31	10/30/2020	2.73	2700	4900	500	11000	cfu/100ml	Northwest Labs	Yes
1-7	4/1/2021	3.19	500	23000	2500	1000	3.50/-	Northwest Labs	Yes
1-8	4/1/2021		1000	4000	500	1000	2.69/-	Northwest Labs	Yes
1-9	4/29/2021	1.71	550	150	<100	100	1.97/-	Northwest Labs	Yes
1-10	4/29/2021	1.30	250	2300	<100	500	1.71/-	Northwest Labs	Yes
1-19	4/29/2021	1.45	750	900	<100	750	1.67/-	Northwest Labs	Yes
10-7-7	2/26/2021	-	17000	19000	13500	2200	-	Northwest Labs	Yes
10-7-8	2/26/2021	-	25500	22000	19000	6250	-	Northwest Labs	Yes
10-7-9	2/26/2021	-	61000	43500	36000	9600	-	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
10-7-9	3/30/2021	-	2200	29000	3000	2250	-	Northwest Labs	Yes
10-7-10	2/26/2021	-	65000	>100000	>100000	23000	-	Northwest Labs	Yes
10-7-10	4/1/2021	-	500	11000	1000	1500	-	Northwest Labs	Yes
10-7-13	2/26/2021	-	21000	51000	35000	2700	-	Northwest Labs	Yes
10-7-14	2/26/2021	-	30500	24500	19500	11500	-	Northwest Labs	Yes
10-7-14	3/30/2021	-	500	18500	2000	900	-	Northwest Labs	Yes
10-7-16	2/26/2021	-	23500	17000	15000	7350	-	Northwest Labs	Yes
10-7-17	3/30/2021	-	5600	42500	11000	23500	-	Northwest Labs	Yes
10-7-18	3/30/2021	-	>100000	>100000	>100000	>100000	-	Northwest Labs	Yes
1-3	10/26/2021	44.00	18500	21000	500	81000	2.11/2.85	Northwest Labs	Yes
1-5	10/26/2021	12.60	5100	20000	3000	17500	1.23/1.68	Northwest Labs	Yes
1-22	10/26/2021	11.60	49000	39500	30500	52500	4.90/5.69	Northwest Labs	Yes
1-23	10/26/2021	5.54	60500	23500	11500	44000	1.67/2.10	Northwest Labs	Yes
1-24	10/26/2021	23.20	16000	10000	4000	15000	1.43/1.81	Northwest Labs	Yes
1-25	10/26/2021	3506.00	6650	7200	1850	3000	2.95/4.00	Northwest Labs	Yes
6-15	10/26/2021	5.38	28500	6000	2500	21000	1.05/1.37	Northwest Labs	Yes
6-16	10/26/2021	3.38	21000	11000	3500	36000	ND/1.02	Northwest Labs	Yes

Attachment A - Part II Table 2.1 - Screening Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	Result (cfu/100ml)	Name of Laboratory	Follow-up Required?
1-3	3/31/2017	0.46	0.25	0.50	Fecal	>20000	Northwest Environmental	Yes
1-4	Tested by EPA	10.01	1.00	0.25	E.Coli/Enterococcus	4339/33	Northwest Environmental	Yes
1-6	5/13/2016	0.28	3.0+	0.25	Fecal	18700	Northwest Environmental	Yes
1-6	5/23/2016	0.17	3.0+	0.75	Fecal	<200000	Northwest Environmental	Yes
1-6	8/25/2016	0.15	3.0+	2.00	Fecal	9800	Northwest Environmental	Yes
1-7	6/6/2016	0.06	0.00	1.00	Fecal	1700	Northwest Environmental	Yes
1-8	6/6/2016	0.04	0.50	0.75	Fecal	9000	Northwest Environmental	Yes
1-9	6/6/2016	0.00	0.50	0.75	Fecal	6000	Northwest Environmental	Yes
1-10	5/23/2016	0.05	0.00	1.00	Fecal	4600	Northwest Environmental	Yes
1-11	6/6/2016	0.08	0.00	1.50	Fecal	3000	Northwest Environmental	Yes
1-12	3/31/2017	0.25	0.00	0.25	Fecal	2100	Northwest Environmental	Yes
1-13	3/31/2017	0.19	0.00	0.50	Fecal	100	Northwest Environmental	No
1-14	Tested by EPA	10.03	0.00	<0.25	E.Coli/Enterococcus	1158/496	Northwest Environmental	Yes
1-15	5/23/2016	0.00	1.00	0.75	Fecal	1800	Northwest Environmental	Yes
1-16	3/31/2017	0.24	0.00	0.80	Enterococcus	2100	Northwest Environmental	Yes
1-17	5/24/2016	0.03	0.00	0.25	Enterococcus	420	Northwest Environmental	Yes
1-18	6/6/2016	0.13	3.0+	0.75	Enterococcus	>200000	Northwest Environmental	Yes
1-19	3/31/2017	0.24	0.00	0.25	Enterococcus	>20000	Northwest Environmental	Yes
1-21	5/13/2016	0.00	0	0.25	Enterococcus	220	Northwest Environmental	No
1-23	6/9/2016	0.00	0.00	1.50	Enterococcus	210	Northwest Environmental	No
1-24	3/31/2017	0.34	0.25	0.25	Enterococcus	1800	Northwest Environmental	Yes
1-25	3/31/2017	0.42	0.00	0.25	Enterococcus	2000	Northwest Environmental	Yes
1-26	6/7/2016	2.20	3.0+	3.00	Enterococcus	>200000	Northwest Environmental	Yes
1-27	6/7/2016	0.09	0.00	1.00	Enterococcus	1630	Northwest Environmental	Yes
3-11	7/17/2017	0.72	0.25	0.50	Fecal	798	Northwest Environmental	Yes
3-12	7/17/2017	0.06	0.00	3.00	Fecal	500	Northwest Environmental	Yes
3-13	7/17/2017	0.18	0.50	1.50	Fecal	>200000	Northwest Environmental	Yes
3-14	7/17/2017	0.20	0.25	1.00	Fecal	487	Northwest Environmental	Yes
3-16	Tested by EPA	0.00	0.00	NS	E.Coli/Enterococcus	24/92	Northwest Environmental	No
3-2	Tested by EPA	0.01	0.50	NS	E.Coli/Enterococcus	27/99	Northwest Environmental	No
6-3	5/24/2016	0.25	0.25	0.50	Fecal	420	Northwest Environmental	Yes
6-4	Tested by EPA	0.00	0.25	0.50	E.Coli/Enterococcus	210/210	Northwest Environmental	No
6-10	Tested by EPA	0.00	3.00	1.50	E.Coli/Enterococcus	48392/48392	Northwest Environmental	Yes
6-12	7/14/2017	0.04	0.00	3.00	Fecal	99	Northwest Environmental	No
6-14	5/24/2016	0.38	0.25	0.50	Fecal	810	Northwest Environmental	Yes
6-16	5/24/2016	0.12	0.00	0.75	Fecal	2400	Northwest Environmental	Yes
6-18	6/9/2016	0.04	0.00	2.00	E.Coli	9	Northwest Environmental	No
6-19	6/9/2016	0.07	0.00	1.50	E.Coli	0	Northwest Environmental	No

Attachment A - Part II Table 2.1 - Screening Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	Result (cfu/100mL)	Name of Laboratory	Follow-up Required?
6-21	5/24/2016	0.22	0.25	0.50	Enterococcus	<200000	Northwest Environmental	Yes
6-23	6/3/2016	0.27	2.00	0.75	E.Coli	6500	Northwest Environmental	Yes
6-28	5/24/2016	0.00	0.00	2.00	Fecal	6	Northwest Environmental	No
9-2	9/19/2016	0.17	0.25	0.25	E.Coli	>200000	Northwest Environmental	Yes
9-3	5/13/2016	(NS)	0/0	(NS)	E.Coli/Enterococcus	194/2	Northwest Environmental	No
9-4	5/13/2016	0.31	0	1.5	E.Coli	0	Northwest Environmental	No
9-5	9/19/2016	0.43	0.50	1.50	E.Coli	780	Northwest Environmental	Yes
9-6	9/19/2016	0.17	0.50	1.50	E.Coli	420	Northwest Environmental	Yes
9-7	6/7/2016	0.70	1.00	0.75	E.Coli	2600	Northwest Environmental	Yes
9-14	9/1/2016	0.24	2.00	3.00	E.Coli	24	Northwest Environmental	No
9-15	6/7/2016	0.00	0.00	1.50	E.Coli	3100	Northwest Environmental	Yes
10-3	5/13/2016	0.23	0	0.25	Fecal	580	Northwest Environmental	Yes
10-4	6/9/2016	0.00	0.00	0.75	Fecal	3200	Northwest Environmental	Yes
10-5	6/9/2016	0.01	0.50	0.00	Fecal	31	Northwest Environmental	No
10-7	6/11/2016	0.16	3.00	0.25	E.Coli/Enterococcus	>48392/48392	Northwest Environmental	Yes
10-8	7/29/2016	0.02	0.00	2.00	E.Coli/Enterococcus	>48392/1058	Northwest Environmental	Yes
10-9	6/9/2016	0.20	0.25	1.00	Fecal	500	Northwest Environmental	Yes
10-10	12/5/2017	0.05	0.50	0.75	Fecal	2100	Northwest Environmental	Yes
10-10	7/29/2016	0.16	0.50	1.50	E.Coli	1400	Northwest Environmental	Yes
10-11	12/12/2016	0.17	0.75	0.50	Fecal	0	Northwest Environmental	No
10-12	5/20/2016	0.01	0.25	0.25	Fecal	5	Northwest Environmental	No
10-13	9/19/2016	0.06	3.00	<0.25	E.Coli/Enterococcus	>200000/2	Northwest Environmental	No
10-14	5/20/2016	0.02	1.25	0.75	E.Coli	2900+	Northwest Environmental	Yes
10-14	9/19/2016	0.26	0.25	1.00	E.Coli	2800	Northwest Environmental	Yes
10-15	4/6/2017	0.00	0.00	<0.25	E.Coli/Enterococcus	11588/1584	Northwest Environmental	Yes
10-16	Tested by EPA	0.23	0.00	1.00	E.Coli	1900	Northwest Environmental	Yes
10-17	Tested by EPA	0.00	0.25	1.50	E.Coli/Enterococcus	>48392/1026	Northwest Environmental	Yes
10-18	Tested by EPA	0.01	0.00	<0.25	E.Coli/Enterococcus	268/244	Northwest Environmental	No
10-19	5/20/2016	0.15	3.0+	0.25	E.Coli	9500+	Northwest Environmental	Yes
10-19	8/8/2016	0.04	0.50	0.75	E.Coli	7200	Northwest Environmental	Yes
10-20	1/23/2018	1.71	0.25	1.00	E.Coli	600+	Northwest Environmental	Yes
10-23A	12/5/2017	0.07	0.25	1.00	E.Coli	1400	Northwest Environmental	Yes
10-23B	12/5/2017	0.10	0.25	1.50	E.Coli	800	Northwest Environmental	Yes
10-24A	12/5/2017	0.07	0.25	2.00	E.Coli	1700	Northwest Environmental	Yes
14-1	3/27/2017	0.71	0.00	0.50	E.Coli	2200+	Northwest Environmental	Yes
14-2	3/27/2017	0.45	0.00	0.25	E.Coli	1500+	Northwest Environmental	Yes
14-3	3/27/2017	0.81	0.00	0.25	E.Coli	1700+	Northwest Environmental	Yes

Attachment A - Part II Table 2.1 - Screening Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	Result (cfu/100ml)	Name of Laboratory	Follow-up Required?
14-4	9/19/2016	0.12	0.00	0.25	Fecal	380	Northwest Environmental	Yes
14-5	5/16/2016	0.00	0.0	0.25	Fecal	8	Northwest Environmental	No
14-6	5/16/2016	0.00	0.0	0.25	Fecal	44	Northwest Environmental	No
14-7	5/16/2016	0.09	0.5	0.25	Fecal	14700	Northwest Environmental	Yes
14-7	5/26/2016	-	-	-	-	6200	Northwest Environmental	Yes
14-7	8/9/2016	0.48	3.0+	0.50	-	7200	Northwest Environmental	Yes
14-8	5/16/2016	0.01	0.25	0.25	Fecal	1020	Northwest Environmental	Yes
14-10	6/3/2016	0.13	0.75	0.75	Fecal	>200000	Northwest Environmental	Yes
14-12	4/21/2017	0.22	0.00	1.00	Fecal	2000	Northwest Environmental	Yes
14-14	4/21/2017	0.16	0.00	0.50	Fecal	601	Northwest Environmental	Yes
14-15	4/21/2017	0.25	0.25	3.00	Fecal	2500	Northwest Environmental	Yes
14-16	11/15/2016	0.19	0.25	0.25	Fecal	222	Northwest Environmental	No
14-17	7/14/2016	0.01	0.00	0.25	Fecal	201	Northwest Environmental	No
14-19	11/15/2016	0.30	3.00	1.00	Fecal	215	Northwest Environmental	No
14-20	4/21/2017	0.56	0.00	0.50	Fecal	6000	Northwest Environmental	Yes
14-21	5/16/2016	0.05	1.5	0.25	Fecal	880	Northwest Environmental	Yes
14-22	5/17/2016	0.11	3.0+	1.50	Fecal	28200	Northwest Environmental	Yes
14-22	5/26/2016	0.29	3.0+	1.50	Fecal	<200000	Northwest Environmental	Yes
14-22	7/28/2016	0.50	3.00	3.0+	Fecal	12700	Northwest Environmental	Yes
14-23	5/17/2016	0.00	0.25	.25	Fecal	3400	Northwest Environmental	Yes
14-23	5/26/2016	-	-	-	-	3200	Northwest Environmental	Yes
14-23	9/19/2016	0.54	0.75	1.00	Fecal	454	Northwest Environmental	No
14-24	5/5/2017	0.29	2.00	1.50	Fecal	2100	Northwest Environmental	Yes
14-25	9/19/2016	0.15	0.25	1.00	Fecal	>200000	Northwest Environmental	Yes
14-27	3/27/2017	0.68	0.00	0.25	Fecal	1400	Northwest Environmental	Yes
14-28	6/3/2016	0.11	0.25	1.00	Fecal	4000	Northwest Environmental	Yes
14-29	5/18/2016	1.75	3.00	3.00	Fecal	32100	Northwest Environmental	Yes
14-29	5/26/2016	-	-	-	-	<200000	Northwest Environmental	Yes
14-30	11/15/2016	0.16	0.25	0.00	Fecal	135	Northwest Environmental	No
14-31	5/31/2016	0.00	0.00	0.25	Fecal	110	Northwest Environmental	No
14-32	5/19/2016	0.00	0.00	0.25	Fecal	0	Northwest Environmental	No
14-33	5/17/2016	0.02	1.50	0.50	Fecal	18	Northwest Environmental	No
14-34	8/2/2016	0.10	0.00	0.50	Fecal	110	Northwest Environmental	No
14-35	5/5/2017	0.06	0.50	3.00	Fecal	200	Northwest Environmental	No
14-36	5/17/2016	0.16	0.00	0.50	Fecal	620	Northwest Environmental	Yes
14-37	8/2/2016	0.04	0.75	0.50	Fecal	4200	Northwest Environmental	Yes
14-38	5/17/2016	0.03	1.25	0.50	Fecal	1280	Northwest Environmental	Yes
14-38	8/25/2016	0.16	3.0+	0.50	Fecal	>200000	Northwest Environmental	Yes
14-39	5/16/2016	0.02	0.0	0.25	Fecal	10200	Northwest Environmental	Yes

Attachment A - Part II Table 2.1 - Screening Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	Result (cfu/100ml)	Name of Laboratory	Follow-up Required?
14-39	5/26/2016	-	-	-				
14-40	9/19/2016	0.36	0.25	1.00	Fecal	3600	Northwest Environmental	Yes
14-41	5/18/2016	0.01	0.25	0.25	Fecal	224	Northwest Environmental	No
14-41	5/26/2016	-	-	-		16200	Northwest Environmental	Yes
14-41	7/26/2016	0.10	0.00	0.00		4200	Northwest Environmental	Yes
14-42	5/17/2016	0.03	1.25	0.50	Fecal	38	Northwest Environmental	No
14-42	8/8/2016	0.07	3.0+	0.75		1320/1338	Northwest Environmental	Yes
14-43	9/19/2016	0.22	0.50	0.50	Fecal	24800	Northwest Environmental	Yes
14-44	5/18/2016	0.20	3.0+	1.00	Fecal	>200000	Northwest Environmental	Yes
14-44	5/26/2016	-	-	-		19600	Northwest Environmental	Yes
14-45	6/20/2016	0.03	0.75	0.00	E. Coli	<200000	Northwest Environmental	Yes
14-46	5/18/2016	0.13	1.00	0.25	E. Coli	350	Northwest Environmental	No
14-46	5/26/2016	-	-	-		10300+	Northwest Environmental	Yes
14-46	8/25/2016	-	-	-		2200	Northwest Environmental	Yes
14-47	5/19/2016	0.08	3.0+	1.00	E. Coli	100	Northwest Environmental	No
14-47	5/26/2016	-	-	-		22000	Northwest Environmental	Yes
14-47	7/29/2016	-	-	-		2300	Northwest Environmental	Yes
14-48	7/29/2016	0.37	0.00	0.50	E. Coli	17700	Northwest Environmental	Yes
14-49	3/27/2017	0.77	0.00	0.25	E. Coli	2400	Northwest Environmental	Yes
14-50	5/25/2017	0.18	0.00	1.00	E. Coli	3000+	Northwest Environmental	Yes
14-51	5/18/2016	0.02	0.25	0.25	E. Coli	1800	Northwest Environmental	Yes
14-51	5/26/2016	-	-	-		5800+	Northwest Environmental	Yes
14-51	8/25/2016	0.09	0.00	0.25		502	Northwest Environmental	Yes
14-52	5/31/2016	0.11	0.00	0.25	E. Coli	600	Northwest Environmental	Yes
14-53	9/19/2016	0.15	0.00	0.25	E. Coli	60+	Northwest Environmental	No
14-54	5/18/2016	0.03	1.25	0.25	E. Coli	654	Northwest Environmental	Yes
14-54	5/26/2016	-	-	-		24000+	Northwest Environmental	Yes
14-54	7/12/2016	0.25	3.0+	0.00		2700	Northwest Environmental	Yes
14-55	9/19/2016	0.15	0.00	0.75	E. Coli	15200	Northwest Environmental	Yes
14-56	12/12/2016	0.00	0.25	0.25	Fecal	1240	Northwest Environmental	Yes
14-57	3/1/2017	0.64	0.25	0.50	Fecal	8	Northwest Environmental	No
14-58	5/17/2016	0.02	0.00	0.25	Fecal	330	Northwest Environmental	No
14-58	5/26/2016	-	-	-		2810	Northwest Environmental	Yes
14-58	8/25/2016	0.04	0.25	0.25		<200000	Northwest Environmental	Yes
14-59	6/1/2016	0.05	0.00	0.25	Fecal	3200	Northwest Environmental	Yes
16-1	3/1/2017	1.09	0.25	0.25	Fecal	2900	Northwest Environmental	Yes
16-3	3/1/2017	0.78	0.25	0.50	Fecal	2800	Northwest Environmental	Yes
16-5	11/29/2016	0.12	0.00	0.50	Fecal	310	Northwest Environmental	No
16-6	11/29/2016	0.29	0.00	1.00	Fecal	5600	Northwest Environmental	Yes
16-7	7/26/2016	0.24	0.25	1.50	Fecal	200	Northwest Environmental	No
16-7	7/26/2016	-	-	-		11800	Northwest Environmental	Yes

Attachment A - Part II Table 2.1 - Screening Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	Result (cfu/100mL)	Name of Laboratory	Follow-up Required?
16-8	7/29/2016	0.09	0.00	0.75	Fecal	500	Northwest Environmental	Yes
16-9	11/15/2016	0.38	0.25	0.25	Fecal	51	Northwest Environmental	No
16-10	5/19/2016	0.00	0.00	0.25	Fecal	28	Northwest Environmental	No
16-11	6/29/2016	0.04	0.00	0.25	Fecal	1000	Northwest Environmental	Yes
16-12	4/6/2017	0.06	0.00	1.00	Fecal	40	Northwest Environmental	No
16-13	3/1/2017	1.14	0.25	0.50	Fecal	2300	Northwest Environmental	Yes
16-14	11/29/2016	0.21	0.25	0.75	Fecal	961	Northwest Environmental	Yes
16-15	5/19/2016	0.17	2.00	0.50	Fecal	92	Northwest Environmental	No
16-16	5/18/2016	0.07	0.25	0.25	E. Coli	15100+	Northwest Environmental	Yes
16-16	5/26/2016	-	-	-	-	140	Northwest Environmental	No
16-16	8/8/2016	0.05	2.00	0.50	-	20400	Northwest Environmental	Yes
16-17	4/4/2017	0.03	0.00	0.50	E. Coli	800	Northwest Environmental	Yes
16-18	1/23/2018	1.14	0.00	0.50	E. Coli	600+	Northwest Environmental	Yes
16-19	9/19/2016	0.14	0.00	0.75	E. Coli	>200000	Northwest Environmental	Yes
16-20	5/25/2017	0.10	1.00	0.75	E. Coli	1900	Northwest Environmental	Yes
16-21	5/25/2017	0.14	0.50	0.75	E. Coli	1500	Northwest Environmental	Yes
16-22	5/25/2017	0.14	0.50	1.50	E. Coli	6800	Northwest Environmental	No
16-23	4/25/2018	0.00	0.00	0.75	E. Coli	0	Northwest Environmental	Yes
16-24	5/25/2017	0.20	1.50	1.00	E. Coli	2100	Northwest Environmental	Yes
16-25	5/25/2017	0.12	0.75	0.50	E. Coli	2400	Northwest Environmental	Yes
16-26	11/29/2016	0.17	0.50	0.25	Fecal	>200000	Northwest Environmental	Yes
16-27	5/20/2016	0.04	1.50	0.75	E. Coli	23800	Northwest Environmental	Yes
16-27	12/5/2017	0.05	0.50	3.0+	-	720	Northwest Environmental	Yes
16-28	6/28/2016	0.15	0.00	0.75	E. Coli	6200	Northwest Environmental	Yes
16-29	5/20/2016	0.05	3.0+	0.50	E. Coli	18900+	Northwest Environmental	Yes
16-30	8/25/2016	0.05	2.00	0.50	-	720	Northwest Environmental	Yes
16-31	7/29/2019	0.34	0.50	0.75	E. Coli	1900	Northwest Environmental	Yes
16-32	11/29/2016	0.29	0.50	0.25	Fecal	>200000	Northwest Environmental	Yes
8-1	6/1/2016	0.09	0.00	0.25	Fecal	60+	Northwest Environmental	No
8-2	3/21/2017	0.60	0.75	0.50	Fecal	>20000	Northwest Environmental	Yes
8-2	4/25/2018	0.00	0.00	1.50	Fecal	210	Northwest Environmental	No
8-3	6/1/2016	0.07	0.00	0.25	Fecal	3200	Northwest Environmental	Yes
8-4	11/15/2016	0.51	0.75	0.50	Fecal	15	Northwest Environmental	No
8-5	3/27/2017	1.20	0.50	0.75	Fecal	1500	Northwest Environmental	Yes
8-6	11/15/2016	0.26	0.25	1.00	Fecal	320	Northwest Environmental	No
8-7	6/1/20106	0.01	1.00	0.40	Fecal	>200000	Northwest Environmental	Yes

Bridgeport CT Storm sewer outfall testing

Oct 4 2022

Location	ID#	Map	Size (in.)	Street Address	Lat.	Long.	Receiving Body	ID#	Sample Date	Dry Day Flow	Test Day	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Kjeldahl/Total N (mg/L)	Surfactants (mg/l)
Arctic St. Between Helen and Seaview	10-5	64 Sh-8	24	Between Seaview and Helen	41.188871	-73.127090	Panbroke Lake	10-5	9/7/2022	Standing	Wet	3.00	10500	3400	250	200	1.3	1.3
Quince between Amsterdam and Wayne	14-15	5534	12	Sample at Mill between S2 & 45	41.159825	-73.209981	Ox Brook	14-15	9/7/2022	Standing	Wet	2.26	4850	21000	2500	3100	2.05	0.12
Pavlik Place and Silverlane	16-9	4766	18x11	Corner of Pavlik, in front of dead end sign	41.234465	-73.161607	Yellow Mill Channel	16-9	9/7/2022	Dry	Wet	27.60	950	36000	2500	6350	4.11	0.05
Cumberland Dr. Old Town Rd. Intersection	16-23	5824	24	Cumberland and Old Town	41.227802	-73.207443	Pequonneck River	16-23	9/7/2022	Standing	Wet	58.60	6650	24000	4000	6750	2.43	0.1
End of Rodgerson Cir.	16-24	H8-18	15	56 Rodgerson	41.227131	-73.205881	Pequonneck River	16-24	9/7/2022	Standing	Wet	15.50	28500	>100000	>100000	77500	9.67	0.22
Fairview	14-17	4741	14x21	563 Fairview	41.202076	-73.209871	Rooster River	14-17	9/27/2022	Dry	Wet	3.72	12000	51000	44000	8000	ND	0.16
End of Evers St. 1860 Nutting	16-3			Across from 360 Nutting	41.214821	-73.168506	Yellow Mill Channel	16-3	9/27/2022	Dry	Wet	5.16	16500	55500	12000	10000	1.06	0.2
Fairfax and E. Pasadena	16-5	5829	10	MH closest to dead end, middle of street	41.217028	-73.167234	Yellow Mill Channel	16-5	9/27/2022	Dry	Wet	4.01	18500	36000	5000	1500	ND	0.15
Greystone and E. Pasadena	16-50	5632	12	302 E. Pasadena	41.216532	-73.166288	Yellow Mill Channel	16-50	9/27/2022	Dry	Wet	2.17	23000	48000	11000	15500	1.36	0.22
Fairfax Rd	16-26	5629		367 Fairfax	41.218412	-73.166294	Yellow Mill Channel	16-26	9/27/2022	Dry	Wet	9.61	21000	23500	8000	20500	ND	0.28

Attachment B -Part II Table 4 - Prioritized outfall Monitoring -

Outfall ID#	Sample Date	Parameters	Bacteria Type	Result (cfu/100mL)	Name of Laboratory
1-6	8/19/2021	Bacteria	Fecal	6800	Northwest Environmental
1-18	8/19/2021	Bacteria	Enterococcus	>20000	Northwest Environmental
9-2	8/19/2021	Bacteria	E.Coli	>20000	Northwest Environmental
10-7	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental
14-44	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental
16-31	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental

1-6 - residential area with some commercial areas nearby

1-18 - residential area

9-2 - industrial area with some commercial

10-7 - commercial and residential area

14-44 - residential area with some commercial

16-31 - residential area

Outfall ID#	Sample Date	Parameters	Bacteria Type	Result (cfu/100mL)	Name of Laboratory
1-6	2/17/2023	Bacteria	Fecal	16800	Northwest Environmental
1-18	2/17/2023	Bacteria	Enterococcus	18000	Northwest Environmental
9-2	2/17/2023	Bacteria	E.Coli	3500	Northwest Environmental
10-7	2/17/2023	Bacteria	Fecal	>20000	Northwest Environmental
14-44	2/17/2023	Bacteria	Fecal	13000	Northwest Environmental
16-31	2/17/2023	Bacteria	Fecal	3400	Northwest Environmental

Outfall ID#	Sample Date	Parameters	Bacteria Type	Result (cfu/100mL)	Name of Laboratory
1-6	8/15/2023	Bacteria	Fecal	>40000	Northwest Environmental
1-18	8/15/2023	Bacteria	Enterococcus	3360	Northwest Environmental
9-2	8/15/2023	Bacteria	E.Coli	1400	Northwest Environmental
10-7	8/15/2023	Bacteria	Fecal	640	Northwest Environmental
14-44	8/15/2023	Bacteria	Fecal	>40000	Northwest Environmental
16-31	8/15/2023	Bacteria	Fecal	>40000	Northwest Environmental

Attachment B - Part II Table 4 - Prioritized Outfall Monitoring - First Round Testing

Outfall ID#	Sample Date	Parameters	Bacteria Type	Result (cfu/100mL)	Name of Laboratory
1-6	8/19/2021	Bacteria	Fecal	6800	Northwest Environmental
1-18	8/19/2021	Bacteria	Enterococcus	>20000	Northwest Environmental
9-2	8/19/2021	Bacteria	E. Coli	>20000	Northwest Environmental
10-7	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental
14-44	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental
16-31	8/19/2021	Bacteria	Fecal	>20000	Northwest Environmental

- 1-6 - residential area with some commercial areas nearby
- 1-18 - residential area
- 9-2 - Industrial area with some commercial
- 10-7 - commercial and residential area
- 14-44 - residential area with some commercial
- 16-31 - residential area

Attachment C - Part III Table 1 -Assessment and Priority Ranking of Catchment Data

Catchment ID	Description	Category	Rank
7101-00-1	Lewis Gut at Mouth Above Bridgeport Harbor	Excluded Catchment	
7102	Bruce Brook at Mouth Above Bridgeport Harbor	Problem Catchment	8
7102-00-1-L1	Unnamed Pond at Outlet on Bruce Brook	Low Priority	1
7102-00-1-L2	Bruce Pond at Outlet of Bruce Brook	Low Priority	1
7102-00-1	Bruce Brook at Mouth Above Bruce Pond	Low priority	2
7000	Southwest Shoreline	-	
7000-04-1	Newfield Coast Area Adj. to Bpt Harbor	Low Priority	3
7103	Yellow Mill Channel	High Priority	6
7103-00-1	Yellow Mill Channel above Unnamed brook 7103-01-1	Low Priority	3
7103-01-1	Unnamed Brook at Mouth Above Yellow Mill Channel Brook	Problem Catchment	8
7103-00-2-L1	Unnamed Pond at Outlet on Yellow Mill Channel Brook	Low Priority	2
7103-02-1	Unnamed Brook at Mouth Above Yellow Mill Channel Bk into 7103-00-2-L2	Excluded Catchment	
7103-00-2-L2	Unnamed Pond at Outlet On Yellow Mill Channel Brook	Excluded Catchment	
7103-00-2-L3	Success Lake at Outlet on Yellow Mill Channel Brook	Excluded Catchment	
7103-00-2-L4	Stillman Pond at Outlet On Yellow Mill Channel Brook	Problem Catchment	9
7103-00-2-L5	Unnamed Pond at Outlet on Yellow Mill Channel Brook	Low Priority	3
7103-00-2-R1	Yellow Mill Channel Brook at Mouth above Bpt Harbor	Low Priority	3
70	Southwest Shoreline Basin Complex - Regional Basin	-	
7000	Southwest Shoreline	-	
7000-05-1	Bridgeport Coastal Area Adj. to Bpt Harbor	Low Priority	3
71	Southwest Eastern Basin Complex - Regional Basin	-	
7105	Pequonnock River	High Priority	6
7105-00-2-L2	Bunnels Pond at Outlet on Pequonnock River	Problem Catchment	8
7105-00-2-R9	Pequonnock River above Island Brook 7105-10-1	Problem Catchment	8
7105-10-1-L3	Lake Forest at Outlet on Island Brook	High Priority	6
7105-10-1-L4	Island Brook Lagoon Pond at Outlet on Island Brook	Low Priority	4
7105-10-1-L5	Unnamed Pond at Outlet on Island Brook	High Priority	5
7105-10-1-L6	Unnamed Pond at Outlet on Island Brook	High Priority	5
7105-10-1	Island Brook at Mouth above Pequonnock River	High Priority	6
7105-00-2-R10	Pequonnock River at Mouth above Bridgeport Harbor	Low Priority	3
70	Southwest Shoreline Basin Complex - Regional Basin	-	
7000	Southwest Shoreline	-	
7000-06-1	Bridgeport Coastal Area Adj. to Bpt Harbor	High Priority	6
7000-07-1	Bridgeport Coastal Area Adj. to Black Rock Harbor	Problem Catchment	8
7000-08-1	Grover Hill Coastal Area Adj. to Long Island Sound	Low Priority	1
71	Southwest Eastern Basin Complex - Regional Basin	-	
7106	Ash Creek	Problem Catchment	8
7106-00-2-R1	Rooster River above Unnamed Brook 7106-04-1	Low Priority	3
7106-00-2-R2	Ash Creek at Mouth of Long Island Sound	Problem Catchment	8
70	Southwest Shoreline Basin Complex - Regional Basin	-	
7000	Southwest Shoreline	-	

Attachment D - Part III Table 2.1 - Dry Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Follow-up Required?
1-4	6/24/2019	0.25	520	72000	7000	370	cfu/100ml	Yes
1-6	6/24/2019	0.54	18500	180000	2000	1000	cfu/100ml	Yes
1-14	6/21/2019	2.92	39500	>200000	42000	120	cfu/100ml	Yes
1-21	6/21/2019	6.63	10000	152000	18000	970	cfu/100ml	Yes
9-3	6/24/2019	0.62	70	1020	20	180	cfu/100ml	No
9-4	6/24/2019	4.74	770	51000	1000	190	cfu/100ml	Yes
10-3	6/24/2019	6.52	1000	1800	30	120	cfu/100ml	Yes
10-7	6/24/2019	12.1	52500	>200000	72000	12500	cfu/100ml	Yes
10-8	6/24/2019	1.85	980	>200000	39000	13000	cfu/100ml	Yes
10-14	6/24/2019	3.22	340	34000	40	170	cfu/100ml	Yes
10-17	7/18/2019	1.75	>200000	>200000	>200000	4200	cfu/100ml	Yes
10-19	6/24/2019	1.20	1440	117000	4000	1610	cfu/100ml	Yes
14-5	6/17/2019	0.96	35	1600	20	240	cfu/100ml	Yes
14-6	6/17/2019	0.36	0	Absent	Absent	2	cfu/100ml	No
14-7	6/17/2019	1.98	242	48000	3000	5000	cfu/100ml	Yes
14-8	6/17/2019	8.04	540	>200000	>200000	100	cfu/100ml	Yes
14-21	6/17/2019	0.18	4	260	10	80	cfu/100ml	No
14-22	6/10/2019	14.60	30000	>200000	38000	48000	cfu/100ml	Yes
14-23	6/17/2019	0.38	10400	10000	11000	5500	cfu/100ml	Yes

Attachment D - Part III Table 2.1 - Dry Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Follow-up Required?
14-29	6/13/2019	13.10	>66600	>200000	>66600	>66600	cfu/100ml	Yes
14-32	6/10/2019	0.38	44	9800	50	42	cfu/100ml	Yes
14-33	6/10/2019	18.80	72	21400	6200	100	cfu/100ml	Yes
14-36	6/10/2019	3.57	0	Absent	Absent	0	cfu/100ml	No
14-38	6/17/2019	0.71	320	6200	250	110	cfu/100ml	Yes
14-39	6/10/2019	15.80	184	>200000	200	188	cfu/100ml	Yes
14-41	6/13/2019	0.29	20979	>200000	26000	19647	cfu/100ml	Yes
14-42	6/17/2019	3.28	3140	5000	1000	15000	cfu/100ml	Yes
14-44	6/13/2019	3.18	>66600	>200000	>66600	>66600	cfu/100ml	Yes
14-45	6/17/2019	1.46	3240	142000	12000	55500	cfu/100ml	Yes
14-46	6/17/2019	0.65	160	11100	500	320	cfu/100ml	Yes
14-47	6/24/2019	0.70	11500	122000	5000	140	cfu/100ml	Yes
14-51	6/24/2019	8.37	230	>200000	24000	77500	cfu/100ml	Yes
14-54	6/24/2019	0.66	7500	36000	2000	120	cfu/100ml	Yes
14-58	6/10/2019	0.37	280	6400	310	330	cfu/100ml	Yes
16-10	10/3/2019	2.75	1300	97000	3000	8800	cfu/100ml	Yes
16-15	7/17/2019	9.15	1720	>4000	2020	940	cfu/100ml	Yes
16-16	7/17/2019	3.62	35000	>100000	41000	1600	cfu/100ml	Yes
16-27	7/17/2019	1.96	4800	>40000	6000	1380	cfu/100ml	Yes

Attachment D - Part III Table 2.1 - Dry Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Pollutant of Concern	Result (cfu/100mL)	Follow-up Required?
10-4	Tested by EPA 5/13/2016	0.01	1.00	0.25	E.Coli//Enterococcus	48392/483	Yes, Telewise line and find any illicit connections
1-6	5/13/2016	0.28	3.0+	0.25	Fecal	18700	Yes, Telewise line and find any illicit connections
1-6	5/23/2016	0.17	3.0+	0.75	Fecal	<200000	Yes, Telewise line and find any illicit connections
1-6	8/25/2016	0.15	3.0+	2.00	Fecal	9800	Yes, Telewise line and find any illicit connections
1-14	Tested by EPA 5/13/2016	0.03	0.00	<0.25	E.Coli//Enterococcus	1158/495	Yes, Telewise line and find any illicit connections
1-21	5/13/2016	0.00	0	0.25	Enterococcus	220	No
9-3	Tested by EPA 5/23/2016	(NS)	0.00	(NS)	E.Coli//Enterococcus	1134/72	No
9-4	5/13/2016	0.27	0.00	2.00	E.Coli	0	No
10-3	5/13/2016	0.31	0	1.5	E.Coli	0	No
10-7	Tested by EPA 6/4/2016	0.23	0	0.25	Fecal	580	Yes, Telewise line and find any illicit connections
10-7	Tested by EPA 6/4/2016	0.46	3.0+	0.75	E.Coli//Enterococcus	>48392/>48392	Yes, Telewise line and find any illicit connections
10-8	Tested by EPA 5/20/2016	0	3.00	3.0+	Fecal	>200000	Yes, Telewise line and find any illicit connections
10-14	Tested by EPA 5/20/2016	0.02	0.00	2.00	E.Coli//Enterococcus	>48392/4058	Yes, Telewise line and find any illicit connections
10-14	5/20/2016	0.02	1.25	0.75	E.Coli	2900+	Yes, Telewise line and find any illicit connections
10-14	9/19/2016	0.26	0.25	1.00	E.Coli	2800	Yes, Telewise line and find any illicit connections
10-19	Tested by EPA 5/20/2016	0.00	0.25	1.50	E.Coli//Enterococcus	>48392/1226	Yes, Telewise line and find any illicit connections
10-19	5/20/2016	0.15	3.0+	0.25	E.Coli	9500+	Yes, Telewise line and find any illicit connections
10-19	8/8/2016	0.04	0.50	0.75	E.Coli	7200	Yes, Telewise line and find any illicit connections
14-5	5/16/2016	0.00	0.0	0.25	Fecal	8	No
14-6	5/16/2016	0.00	0.0	0.25	Fecal	44	No
14-7	5/16/2016	0.09	0.5	0.25	Fecal	14700	Yes, Telewise line and find any illicit connections
14-7	5/26/2016	-	-	-	Fecal	6200	Yes, Telewise line and find any illicit connections
14-7	8/9/2016	0.48	3.0+	0.50	Fecal	7200	Yes, Telewise line and find any illicit connections
14-8	5/16/2016	0.01	0.25	0.25	Fecal	1020	Yes, Telewise line and find any illicit connections
14-21	5/16/2016	0.05	1.5	0.25	Fecal	880	Yes, Telewise line and find any illicit connections
14-22	5/17/2016	0.11	3.0+	1.50	Fecal	28200	Yes, Telewise line and find any illicit connections
14-22	5/26/2016	0.29	3.0+	1.50	Fecal	<200000	Yes, Telewise line and find any illicit connections
14-22	7/28/2016	0.50	3.00	3.0+	Fecal	12700	Yes, Telewise line and find any illicit connections
14-23	5/17/2016	0.00	0.25	.25	Fecal	3400	Yes, Telewise line and find any illicit connections
14-23	5/26/2016	-	-	-	Fecal	3200	Yes, Telewise line and find any illicit connections
14-23	9/19/2016	0.54	0.75	1.00	Fecal	454	No
14-29	5/18/2016	1.75	3.00	3.00	Fecal	32100	Yes, Telewise line and find any illicit connections
14-29	5/26/2016	-	-	-	Fecal	<200000	Yes, Telewise line and find any illicit connections
14-32	5/19/2016	0.00	0.00	0.25	Fecal	0	No
14-33	5/17/2016	0.02	1.50	0.50	Fecal	18	No
14-36	5/17/2016	0.16	0.00	0.50	Fecal	620	Yes, Telewise line and find any illicit connections
14-38	5/17/2016	0.03	1.25	0.50	Fecal	1280	Yes, Telewise line and find any illicit connections
14-38	8/25/2016	0.16	3.0+	0.50	Fecal	>200000	Yes, Telewise line and find any illicit connections
14-39	5/16/2016	0.02	0.0	0.35	Fecal	10200	Yes, Telewise line and find any illicit connections

Attachment D - Part III Table 2.1 - Dry Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Pollutant of Concern	Result (cfu/100ml)	Follow-up Required?
14-39	5/26/2016	-	-	-	Fecal	3600	Yes, <i>Televise line and find any illicit connections</i>
14-41	5/18/2016	0.01	0.25	0.25	Fecal	16200	Yes, <i>Televise line and find any illicit connections</i>
14-41	5/26/2016	-	-	-	Fecal	4200	Yes, <i>Televise line and find any illicit connections</i>
14-41	7/26/2016	0.10	0.00	0.00	Fecal	38	No
14-42	5/17/2016	0.03	1.25	0.50	Fecal	1320/1338	Yes, <i>Televise line and find any illicit connections</i>
14-42	8/8/2016	0.07	3.0+	0.75	Fecal	24800	Yes, <i>Televise line and find any illicit connections</i>
14-44	5/18/2016	0.20	3.0+	1.00	Fecal	19500	Yes, <i>Televise line and find any illicit connections</i>
14-44	5/26/2016	-	-	-	Fecal	<200000	Yes, <i>Televise line and find any illicit connections</i>
14-45	6/20/2016	0.03	0.75	0.00	E. Coli	350	No
14-46	5/18/2016	0.13	1.00	0.25	E. Coli	10300+	Yes, <i>Televise line and find any illicit connections</i>
14-46	5/26/2016	-	-	-	E. Coli	2200	Yes, <i>Televise line and find any illicit connections</i>
14-46	8/25/2016	-	-	-	E. Coli	100	No
14-47	5/19/2016	0.08	3.0+	1.00	E. Coli	22000	Yes, <i>Televise line and find any illicit connections</i>
14-47	5/26/2016	-	-	-	E. Coli	2300	Yes, <i>Televise line and find any illicit connections</i>
14-47	7/29/2016	-	-	-	E. Coli	17700	Yes, <i>Televise line and find any illicit connections</i>
14-51	5/18/2016	0.02	0.25	0.25	E. Coli	5800+	Yes, <i>Televise line and find any illicit connections</i>
14-51	5/26/2016	-	-	-	E. Coli	502	Yes, <i>Televise line and find any illicit connections</i>
14-51	8/25/2016	0.09	0.00	0.25	E. Coli	600	Yes, <i>Televise line and find any illicit connections</i>
14-54	5/18/2016	0.03	1.25	0.25	E. Coli	24000+	Yes, <i>Televise line and find any illicit connections</i>
14-54	5/26/2016	-	-	-	E. Coli	2700	Yes, <i>Televise line and find any illicit connections</i>
14-54	7/12/2016	0.25	3.0+	0.00	E. Coli	15200	Yes, <i>Televise line and find any illicit connections</i>
14-58	5/17/2016	0.02	0.00	0.25	Fecal	2810	Yes, <i>Televise line and find any illicit connections</i>
14-58	5/26/2016	-	-	-	Fecal	<200000	Yes, <i>Televise line and find any illicit connections</i>
14-58	8/25/2016	0.04	0.25	0.25	Fecal	3200	Yes, <i>Televise line and find any illicit connections</i>
16-10	5/19/2016	0.00	0.00	0.25	Fecal	28	No
16-15	5/19/2016	0.17	2.00	0.50	Fecal	92	No
16-16	5/18/2016	0.07	0.25	0.25	E. Coli	15100+	Yes, <i>Televise line and find any illicit connections</i>
16-16	5/26/2016	-	-	-	E. Coli	140	No
16-16	8/8/2016	0.05	2.00	0.50	E. Coli	20400	Yes, <i>Televise line and find any illicit connections</i>
16-27	5/20/2016	0.04	1.50	0.75	E. Coli	23800	Yes, <i>Televise line and find any illicit connections</i>
16-27	12/5/2017	0.05	0.50	3.0+	E. Coli	720	Yes, <i>Televise line and find any illicit connections</i>
16-29	5/20/2016	0.05	3.0+	0.50	E. Coli	18900+	Yes, <i>Televise line and find any illicit connections</i>
16-29	8/25/2016	0.05	2.00	0.50	E. Coli	720	Yes, <i>Televise line and find any illicit connections</i>
16-32	6/1/2016	0.09	0.00	0.25	Fecal	60+	No

Attachment E - Part III Table 2.2 Wet Weather Screening and sampling data -m Second round

ID#	Sample Date	Test Day	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
1-6	2/17/2023	Wet	6.79	16800	6600	14200	2100	cfu/100ml	Northwest Labs	Yes
1-18	2/17/2023	Wet	8.57	6300	3600	5200	18000	cfu/100ml	Northwest Labs	Yes
9-2	2/17/2023	Wet	18.1	3800	3300	3500	2400	cfu/100ml	Northwest Labs	Yes
10-7	2/17/2023	Wet	264	>20000	>20000	>20000	6000	cfu/100ml	Northwest Labs	Yes
14-44	2/17/2023	Wet	9.18	13000	4700	11000	3800	cfu/100ml	Northwest Labs	Yes
16-31	2/17/2023	Wet	7.95	3400	2300	3500	3100	cfu/100ml	Northwest Labs	Yes

1-6	8/15/2023	Wet	3.52	>40000	28800	1200	1540	cfu/100ml	Northwest Labs	Yes
1-18	8/15/2023	Wet	0.91	5200	21800	2400	3360	cfu/100ml	Northwest Labs	Yes
9-2	8/15/2023	Wet	0.8	7600	24000	1400	1100	cfu/100ml	Northwest Labs	Yes
10-7	8/15/2023	Wet	2.96	640	>40000	>40000	2080	cfu/100ml	Northwest Labs	Yes
14-44	8/15/2023	Wet	2.78	>40000	>40000	>40000	3140	cfu/100ml	Northwest Labs	Yes
16-31	8/15/2023	Wet	6.3	>40000	>40000	>40000	>4000	cfu/100ml	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
1-11	6/24/2019	6.70	50500	>200000	61000	6500	cfu/100ml	Northwest Labs	Yes
1-12	10/31/2019	3.85	6600	8500	7200	9900	cfu/100ml	Northwest Labs	Yes
1-13	6/24/2019	2.97	8000	73000	10000	620	cfu/100ml	Northwest Labs	Yes
1-15	6/24/2019	0.39	76000	>200000	84000	1090	cfu/100ml	Northwest Labs	Yes
1-16	10/31/2016	2.40	2800	5900	1300	6800	cfu/100ml	Northwest Labs	Yes
1-17	6/24/2019	1.02	11000	>200000	13000	1220	cfu/100ml	Northwest Labs	Yes
1-18	6/24/2019	0.80	1100	185000	1400	540	cfu/100ml	Northwest Labs	Yes
1-27	10/31/2019	Over Range	70000	95000	44000	107000	cfu/100ml	Northwest Labs	Yes
3-2	10/31/2019	6.79	1900	5600	300	5500	cfu/100ml	Northwest Labs	Yes
3-12	10/31/2019	6.12	200	3400	1000	1100	cfu/100ml	Northwest Labs	Yes
3-13	6/18/2019	12.30	1500	13000	2000	1960	cfu/100ml	Northwest Labs	Yes
3-13	10/31/2019	7.52	2900	27000	8000	7700	cfu/100ml	Northwest Labs	Yes
3-14	6/18/2019	29.90	16500	>200000	2000	53000	cfu/100ml	Northwest Labs	Yes
3-16	6/18/2019	3.62	3000	110000	5000	21500	cfu/100ml	Northwest Labs	Yes
6-19	6/19/2019	0.65	770	31000	830	16500	cfu/100ml	Northwest Labs	Yes
9-5	6/25/2019	4.70	20	52000	780	60	cfu/100ml	Northwest Labs	Yes
9-6	6/25/2019	32.70	340	140000	4000	170	cfu/100ml	Northwest Labs	Yes
9-7	6/25/2019	31.80	26000	>200000	7000	23500	cfu/100ml	Northwest Labs	Yes
9-14	6/25/2019	26.80	56000	>200000	50000	51000	cfu/100ml	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
10-10	6/25/2019	24.00	70000	>200000	15000	95900	cfu/100ml	Northwest Labs	Yes
10-11	6/25/2019	13.70	28000	129000	4000	7500	cfu/100ml	Northwest Labs	Yes
10-12	6/25/2019	22.10	25000	>200000	30000	39000	cfu/100ml	Northwest Labs	Yes
10-13							cfu/100ml	Northwest Labs	Yes
10-15	7/18/2018	11.10	70000	90000	65000	16000	cfu/100ml	Northwest Labs	Yes
10-16	7/18/2019	8.32	40000	75000	50000	2200	cfu/100ml	Northwest Labs	Yes
10-18	7/18/2019	10.86	150000	>200000	>200000	10500	cfu/100ml	Northwest Labs	Yes
10-23A	6/19/2019	4.56	30000	>200000	33000	41000	cfu/100ml	Northwest Labs	Yes
10-23B	6/19/2019	4.31	81000	>200000	92000	29500	cfu/100ml	Northwest Labs	Yes
10-24A	6/19/2019	7.43	91000	>200000	102000	42500	cfu/100ml	Northwest Labs	Yes
14-4	10/9/2019	6.68	18000	62000	4000	32000	cfu/100ml	Northwest Labs	Yes
14-10	6/13/2019	8.68	21978	>200000	19000	7992	cfu/100ml	Northwest Labs	Yes
14-12	6/13/2019	9.15	20646	>200000	26000	14652	cfu/100ml	Northwest Labs	Yes
14-13	7/18/2019	5.14	100000	110000	980000	2700	cfu/100ml	Northwest Labs	Yes
14-16	6/13/2019	8.43	>66600	>200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes
14-20	6/18/2019	5.53	1000	99000	1500	970	cfu/100ml	Northwest Labs	Yes
14-24	10/9/2019	4.82	29000	82000	2000	38000	cfu/100ml	Northwest Labs	Yes
14-25	6/13/2019	4.45	35944	>200000	39000	39960	cfu/100ml	Northwest Labs	Yes
14-27	6/13/2019	10.54	>66600	>200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
14-28	6/13/2019	11.70	27306	>200000	35000	31302	cfu/100ml	Northwest Labs	Yes
14-37	6/13/2019	17.30	87246	200000	>66600	>66600	cfu/100ml	Northwest Labs	Yes
14-40	10/9/2019	10.65	16000	49000	9000	21000	cfu/100ml	Northwest Labs	Yes
14-43	6/13/2019	8.59	29637	>200000	35000	31968	cfu/100ml	Northwest Labs	Yes
14-52	7/18/2019	6.87	40000	11800	37000	60000	cfu/100ml	Northwest Labs	Yes
14-53	7/18/2019	2.01	24000	36000	22000	35000	cfu/100ml	Northwest Labs	Yes
14-55	7/18/2019	12.30	80000	>200000	95000	19000	cfu/100ml	Northwest Labs	Yes
16-6	6/11/2019	8.92	17600	>200000	15000	21400	cfu/100ml	Northwest Labs	Yes
16-7	6/11/2019	11.40	33600	>200000	37000	34600	cfu/100ml	Northwest Labs	Yes
16-8	10/3/2019	11.10	800	102000	100	9800	cfu/100ml	Northwest Labs	Yes
16-11	10/3/2019	3.02	1100	74000	8000	7900	cfu/100ml	Northwest Labs	Yes
16-13	6/11/2019	9.19	61600	>200000	65000	73600	cfu/100ml	Northwest Labs	Yes
16-26	6/11/2019	6.54	32400	>200000	36000	35600	cfu/100ml	Northwest Labs	Yes
8-1	10/9/2019	8.07	32000	85000	24000	71000	cfu/100ml	Northwest Labs	Yes
8-3	6/19/2019	4.10	19500	>200000	22000	31000	cfu/100ml	Northwest Labs	Yes
8-3	10/9/2019	24.60	57000	94000	69000	86000	cfu/100ml	Northwest Labs	Yes
8-4	6/19/2019	9.90	21000	167000	20000	29000	cfu/100ml	Northwest Labs	Yes
8-5	6/19/2019	2.32	15000	186000	26000	36000	cfu/100ml	Northwest Labs	Yes
8-6	6/19/2019	4.20	38500	>200000	40000	43000	cfu/100ml	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
8-7	10/9/2019	21.00	175000	>200000	>200000	90000	cfu/100mL	Northwest Labs	Yes
1-14	3/29/2020	10.40	-	-	>20000	-	cfu/100mL	Northwest Labs	Yes
3-16	3/29/2020	15.70	-	-	600	-	cfu/100mL	Northwest Labs	Yes
6-10	3/29/2020	9.46	-	-	>20000	-	cfu/100mL	Northwest Labs	Yes
9-3	3/29/2020	7.29	-	-	100	-	cfu/100mL	Northwest Labs	Yes
10-7	3/29/2020	8.38	-	-	>20000	-	cfu/100mL	Northwest Labs	Yes
10-16	3/29/2020	9.24	-	-	300	-	cfu/100mL	Northwest Labs	Yes
14-1	9/10/2020	3.00	17000	7000	2000	33000	cfu/100mL	Northwest Labs	Yes
14-2	9/10/2020	4.79	14000	20000	2000	21000	cfu/100mL	Northwest Labs	Yes
14-3	9/10/2020	4.37	3800	77000	4000	34000	cfu/100mL	Northwest Labs	Yes
16-16	9/10/2020	4.20	35000	15000	1000	37000	cfu/100mL	Northwest Labs	Yes
16-17	9/10/2020	10.38	22000	8800	600	18000	cfu/100mL	Northwest Labs	Yes
14-14	10/29/2020	8.16	16000	>20000	1000	17400	cfu/100mL	Northwest Labs	Yes
14-48	10/29/2020	10.07	4000	17000	900	7100	cfu/100mL	Northwest Labs	Yes
14-49	10/29/2020	10.69	3100	12700	500	14200	cfu/100mL	Northwest Labs	Yes
14-50	10/29/2020	15.50	9200	11000	200	11200	cfu/100mL	Northwest Labs	Yes
14-56	10/29/2020	5.41	4400	9900	400	5200	cfu/100mL	Northwest Labs	Yes
14-59	10/29/2020	11.10	8700	5800	200	4400	cfu/100mL	Northwest Labs	Yes
16-14	10/29/2020	6.99	2200	15000	400	12500	cfu/100mL	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E. Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
16-19	10/29/2020	4.83	13200	>20000	900	>20000	cfu/100ml	Northwest Labs	Yes
16-20	10/29/2020	7.74	>20000	>20000	300	>20000	cfu/100ml	Northwest Labs	Yes
16-21	10/29/2020	9.21	16800	15800	1400	>20000	cfu/100ml	Northwest Labs	Yes
16-22	10/29/2020	5.73	15700	11500	200	7700	cfu/100ml	Northwest Labs	Yes
16-25	10/29/2020	4.70	9700	12000	300	13700	cfu/100ml	Northwest Labs	Yes
10-9	10/30/2020	5.57	5000	7200	300	7900	cfu/100ml	Northwest Labs	Yes
10-21	10/30/2020	32.80	5500	9400	200	7500	cfu/100ml	Northwest Labs	Yes
16-28	10/30/2020	9.10	3500	5200	300	1100	cfu/100ml	Northwest Labs	Yes
16-29	10/30/2020	5.08	6000	12100	400	14500	cfu/100ml	Northwest Labs	Yes
16-30	10/30/2020	6.12	2400	4600	200	4100	cfu/100ml	Northwest Labs	Yes
16-31	10/30/2020	2.73	2700	4900	500	11000	cfu/100ml	Northwest Labs	Yes
1-7	4/1/2021	3.19	500	23000	2500	1000	3.50/-	Northwest Labs	Yes
1-8	4/1/2021		1000	4000	500	1000	2.69/-	Northwest Labs	Yes
1-9	4/29/2021	1.71	550	150	<100	100	1.97/-	Northwest Labs	Yes
1-10	4/29/2021	1.30	250	2300	<100	500	1.71/-	Northwest Labs	Yes
1-19	4/29/2021	1.45	750	900	<100	750	1.67/-	Northwest Labs	Yes
10-7	2/23/2021	-	>200000	>200000	>200000	>200000	-	Northwest Labs	Yes
10-7	4/1/2021	-	17500	15000	1000	34500	-	Northwest Labs	Yes
10-7-2	2/23/2021	-	>200000	>200000	>200000	>200000	-	Northwest Labs	Yes
10-7-4	2/23/2021	-	>200000	>200000	>200000	16700	-	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
10-7-5	2/23/2021	-	14700	4700	3300	2200	-	Northwest Labs	Yes
10-7-6	2/23/2021	-	240	800	410	490	-	Northwest Labs	Yes
10-7-7	2/26/2021	-	17000	19000	13500	2200	-	Northwest Labs	Yes
10-7-8	2/26/2021	-	25500	22000	19000	6250	-	Northwest Labs	Yes
10-7-9	2/26/2021	-	61000	43500	36000	9600	-	Northwest Labs	Yes
10-7-9	3/30/2021	-	2200	29000	3000	2250	-	Northwest Labs	Yes
10-7-10	2/26/2021	-	65000	>100000	>100000	23000	-	Northwest Labs	Yes
10-7-10	4/1/2021	-	500	11000	1000	1500	-	Northwest Labs	Yes
10-7-13	2/26/2021	-	21000	51000	35000	2700	-	Northwest Labs	Yes
10-7-14	2/26/2021	-	30500	24500	19500	11500	-	Northwest Labs	Yes
10-7-14	3/30/2021	-	500	18500	2000	900	-	Northwest Labs	Yes
10-7-16	2/26/2021	-	23500	17000	15000	7350	-	Northwest Labs	Yes
10-7-17	3/30/2021	-	5600	42500	11000	23500	-	Northwest Labs	Yes
10-7-18	3/30/2021	-	>100000	>100000	>100000	>100000	-	Northwest Labs	Yes
1-3	10/26/2021	44.00	18500	21000	500	81000	2.11/2.85	Northwest Labs	Yes
1-5	10/26/2021	12.60	5100	20000	3000	17500	1.23/1.68	Northwest Labs	Yes
1-22	10/26/2021	11.60	49000	39500	30500	52500	4.90/5.69	Northwest Labs	Yes
1-23	10/26/2021	5.54	60500	23500	11500	44000	1.67/2.10	Northwest Labs	Yes
1-24	10/26/2021	23.20	16000	10000	4000	15000	1.43/1.81	Northwest Labs	Yes
1-25	10/26/2021	3506.00	6650	7200	1850	3000	2.95/4.00	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - Second Round Testing

ID#	Sample Date	Turbidity (NTU)	Fecal Coliform	Total Coliforms	E.Coli	Enterococci	Units	Name of Laboratory	Follow-up Required?
6-15	10/26/2021	5.38	28500	6000	2500	21000	1.05/1.37	Northwest Labs	Yes
6-16	10/26/2021	3.38	21000	11000	3500	36000	ND/1.02	Northwest Labs	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	(cfu/100ml)	Follow-up Required?
1-3	3/31/2017	0.46	0.25	0.50	Fecal	>20000	Yes
1-7	6/6/2016	0.06	0.00	1.00	Fecal	1700	Yes
1-8	6/6/2016	0.04	0.50	0.75	Fecal	9000	Yes
1-9	6/6/2016	0.00	0.50	0.75	Fecal	6000	Yes
1-10	5/23/2016	0.05	0.00	1.00	Fecal	4600	Yes
1-11	6/6/2016	0.08	0.00	1.50	Fecal	3000	Yes
1-12	3/31/2017	0.25	0.00	0.25	Fecal	2100	Yes
1-13	3/31/2017	0.19	0.00	0.50	Fecal	100	No
1-15	5/23/2016	0.00	1.00	0.75	Fecal	1800	Yes
1-16	3/31/2017	0.24	0.00	0.80	Enterococcus	2100	Yes
1-17	5/24/2016	0.03	0.00	0.25	Enterococcus	420	Yes
1-18	6/6/2016	0.13	3.0+	0.75	Enterococcus	>200000	Yes
1-19	3/31/2017	0.24	0.00	0.25	Enterococcus	>20000	Yes
1-23	6/9/2016	0.00	0.00	1.50	Enterococcus	210	No
1-24	3/31/2017	0.34	0.25	0.25	Enterococcus	1800	Yes
1-25	3/31/2017	0.42	0.00	0.25	Enterococcus	2000	Yes
1-26	6/7/2016	2.20	3.0+	3.00	Enterococcus	>200000	Yes
1-27	6/7/2016	0.09	0.00	1.00	Enterococcus	1630	Yes
3-11	7/17/2017	0.72	0.25	0.50	Fecal	798	Yes
3-12	7/17/2017	0.06	0.00	3.00	Fecal	500	Yes
3-13	7/17/2017	0.18	0.50	1.50	Fecal	>200000	Yes
3-14	7/17/2017	0.20	0.25	1.00	Fecal	487	Yes
6-10	Tested by EPA	0.00	0.00	NS	E.Coli/Enterococcus	24/72	No
6-2	Tested by EPA	0.01	0.50	NS	E.Coli/Enterococcus	27/99	No
6-3	5/24/2016	0.25	0.25	0.50	Fecal	420	Yes
6-4	Tested by EPA	0.00	0.25	0.50	E.Coli/Enterococcus	210/210	No
6-10	Tested by EPA	0.00	3.00	1.50	E.Coli/Enterococcus	48392/49382	Yes
6-12	7/14/2017	0.04	0.00	3.00	Fecal	99	No
6-14	5/24/2016	0.38	0.25	0.50	Fecal	810	Yes
6-16	5/24/2016	0.12	0.00	0.75	Fecal	2400	Yes
6-18	6/9/2016	0.04	0.00	2.00	E.Coli	9	No
6-19	6/9/2016	0.07	0.00	1.50	E.Coli	0	No
6-21	5/24/2016	0.22	0.25	0.50	Enterococcus	(<200000)	Yes
6-23	6/3/2016	0.27	2.00	0.75	E.Coli	6500	Yes
6-28	5/24/2016	0.00	0.00	2.00	Fecal	6	No
9-2	9/19/2016	0.17	0.25	0.25	E.Coli	>200000	Yes
9-5	9/19/2016	0.43	0.50	1.50	E.Coli	780	Yes
9-6	9/19/2016	0.17	0.50	1.50	E.Coli	420	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MIBAS (mg/L)	Bacteria Type	(cfu/100mL)	Follow-up Required?
9-7	6/7/2016	0.70	1.00	0.75	E. Coli	2600	Yes
9-14	9/1/2016	0.24	2.00	3.00	E. Coli	24	No
9-15	6/7/2016	0.00	0.00	1.50	E. Coli	3100	Yes
10-4	6/9/2016	0.00	0.00	0.75	Fecal	3200	Yes
10-5	6/9/2016	0.01	0.50	0.00	Fecal	31	No
10-9	7/29/2016	0.20	0.25	1.00	Fecal	500	Yes
10-10	6/9/2016	0.05	0.50	0.75	Fecal	2100	Yes
10-10	12/5/2017	0.16	0.50	1.50	E. Coli	1400	Yes
10-11	7/29/2016	0.17	0.75	0.50	Fecal	0	No
10-12	12/12/2016	0.01	0.25	0.25	Fecal	5	No
10-13	Tested by EPA	0.06	3.00	<0.25	E. Coli/Enterococcus	210/8/2	No
10-15	Tested by EPA	<0.00	<0.00	<0.25	E. Coli/Enterococcus	158/8/58/4	Yes
10-16	4/6/2017	0.23	0.00	1.00	E. Coli	1900	Yes
10-18	Tested by EPA	0.01	0.00	<0.25	E. Coli/Enterococcus	268/2/4	No
10-20	1/23/2018	1.71	0.25	1.00	E. Coli	600+	Yes
10-23A	12/5/2017	0.07	0.25	1.00	E. Coli	1400	Yes
10-23B	12/5/2017	0.10	0.25	1.50	E. Coli	800	Yes
10-24A	12/5/2017	0.07	0.25	2.00	E. Coli	1700	Yes
14-1	3/27/2017	0.71	0.00	0.50	E. Coli	2200+	Yes
14-2	3/27/2017	0.45	0.00	0.25	E. Coli	1500+	Yes
14-3	3/27/2017	0.81	0.00	0.25	E. Coli	1700+	Yes
14-4	9/19/2016	0.12	0.00	0.25	Fecal	380	Yes
14-10	6/3/2016	0.13	0.75	0.75	Fecal	>200000	Yes
14-12	4/21/2017	0.22	0.00	1.00	Fecal	2000	Yes
14-14	4/21/2017	0.16	0.00	0.50	Fecal	601	Yes
14-15	4/21/2017	0.25	0.25	3.00	Fecal	2500	Yes
14-16	11/15/2016	0.19	0.25	0.25	Fecal	222	No
14-17	7/14/2016	0.01	0.00	0.25	Fecal	201	No
14-19	11/15/2016	0.30	3.00	1.00	Fecal	215	No
14-20	4/21/2017	0.56	0.00	0.50	Fecal	6000	Yes
14-24	5/5/2017	0.29	2.00	1.50	Fecal	2100	Yes
14-25	9/19/2016	0.15	0.25	1.00	Fecal	>200000	Yes
14-27	3/27/2017	0.68	0.00	0.25	Fecal	1400	Yes
14-28	6/3/2016	0.11	0.25	1.00	Fecal	4000	Yes
14-30	11/15/2016	0.16	0.25	0.00	Fecal	135	No
14-31	5/31/2016	0.00	0.00	0.25	Fecal	110	No
14-34	8/2/2016	0.10	0.00	0.50	Fecal	110	No
14-35	5/5/2017	0.06	0.50	3.00	Fecal	200	No
14-37	8/2/2016	0.04	0.75	0.50	Fecal	4200	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)	Bacteria Type	(cfu/100mL)	Follow-up Required?
14-40	9/19/2016	0.36	0.25	1.00	Fecal	224	No
14-43	9/19/2016	0.22	0.50	0.50	Fecal	>200000	Yes
14-48	7/29/2016	0.37	0.00	0.50	E. Coli	2400	Yes
14-49	3/27/2017	0.77	0.00	0.25	E. Coli	3000+	Yes
14-50	5/25/2017	0.18	0.00	1.00	E. Coli	1800	Yes
14-52	5/31/2016	0.11	0.00	0.25	E. Coli	60+	No
14-53	9/19/2016	0.15	0.00	0.25	E. Coli	654	Yes
14-55	9/19/2016	0.15	0.00	0.75	E. Coli	1240	Yes
14-56	12/12/2016	0.00	0.25	0.25	Fecal	8	No
14-57	3/1/2017	0.64	0.25	0.50	Fecal	330	No
14-59	6/1/2016	0.05	0.00	0.25	Fecal	2900	Yes
16-1	3/1/2017	1.09	0.25	0.25	Fecal	2800	Yes
16-3	3/1/2017	0.78	0.25	0.50	Fecal	310	No
16-5	11/29/2016	0.12	0.00	0.50	Fecal	5600	Yes
16-6	11/29/2016	0.29	0.00	1.00	Fecal	200	No
16-7	7/26/2016	0.24	0.25	1.50	Fecal	11800	Yes
16-8	7/29/2016	0.09	0.00	0.75	Fecal	500	Yes
16-9	11/15/2016	0.38	0.25	0.25	Fecal	51	No
16-11	6/29/2016	0.04	0.00	0.25	Fecal	1000	Yes
16-12	4/6/2017	0.06	0.00	1.00	Fecal	40	No
16-13	3/1/2017	1.14	0.25	0.50	Fecal	2300	Yes
16-14	11/29/2016	0.21	0.25	0.75	Fecal	961	Yes
16-17	4/4/2017	0.03	0.00	0.50	E. Coli	800	Yes
16-18	1/23/2018	1.14	0.00	0.50	E. Coli	600+	Yes
16-19	9/19/2016	0.14	0.00	0.75	E. Coli	>200000	Yes
16-20	5/25/2017	0.10	1.00	0.75	E. Coli	1900	Yes
16-21	5/25/2017	0.14	0.50	0.75	E. Coli	1500	Yes
16-22	5/25/2017	0.14	0.50	1.50	E. Coli	6800	Yes
16-23	4/25/2018	0.00	0.00	0.75	E. Coli	0	No
16-24	5/25/2017	0.20	1.50	1.00	E. Coli	2100	Yes
16-25	5/25/2017	0.12	0.75	0.50	E. Coli	2400	Yes
16-26	11/29/2016	0.17	0.50	0.25	Fecal	>200000	Yes
16-28	6/28/2016	0.15	0.00	0.75	E. Coli	6200	Yes
16-30	7/29/2019	0.34	0.50	0.75	E. Coli	1900	Yes
16-31	11/29/2016	0.29	0.50	0.25	Fecal	>200000	Yes
8-1	3/27/2017	0.60	0.75	0.50	Fecal	>200000	Yes
8-2	4/25/2018	0.00	0.00	1.50	Fecal	210	No
8-3	6/1/2016	0.07	0.00	0.25	Fecal	3200	Yes
8-4	11/15/2016	0.51	0.75	0.50	Fecal	15	No
8-5	3/27/2017	1.20	0.50	0.75	Fecal	1500	Yes

Attachment E - Part III Table 2.2 - Wet Weather Screening and Sampling Data - First Round Testing

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MIBAS (mg/L)	Bacteria Type	(cfu/100mL)	Follow-up Required?
8-6	11/15/2016	0.26	0.25	1.00	Fecal	320	No
8-7	Tested by EPA	0.16	3.04	0.75	Fecal	>48392 / <48392	Yes
8-7	6/1/20106	0.01	1.00	0.40	Fecal	>200000	Yes

Attachment F - Part III Table 3.1 - System Vulnerability Factor Summary

Outfall ID#	Receiving Body	System Vulnerability Factors
1-3	Ash Creek	8,10
1-4	Ash Creek	8,10
1-6	Ash Creek	4,5,6,8,9
1-7	Ash Creek	8,10
1-8	Ash Creek	8,10
1-9	Ash Creek	9
1-10	Ash Creek	9
1-11	Ash Creek	8,10
1-12	Ash Creek	8,10
1-13	Ash Creek	8,10
1-14	Ash Creek	8,10
1-15	Ash Creek	8,10
1-16	Black Rock Harbor	8,10
1-17	Black Rock Harbor	8,10
1-18	Black Rock Harbor	8,10
1-19	Black Rock Harbor	8,10
1-21	Burr Creek	8,10
1-23	Cedar Creek	9
1-24	Cedar Creek	9
1-25	Cedar Creek	8,10
1-26	Cedar Creek	8,10
1-27	Cedar Creek	8,10
3-11	Long Island Sound	8,10
3-12	Long Island Sound	8,10
3-13	Long Island Sound	8,10
3-14	Long Island Sound	8,10
3-16	Long Island Sound	8,10
6-2	Johnson's Creek	8,10
6-3	Johnson's Creek	8,10
6-4	Johnson's Creek	8,10
6-10	Bruce Brook	8,10
6-12	Yellow Mill Channel	8,10
6-14	Yellow Mill Channel	9
6-16	Yellow Mill Channel	9
6-18	Pequonnock River	8,10
6-19	Pequonnock River	8,10
6-21	BPT Harbor	8,10
6-23	Pequonnock River	8,10
6-28	Yellow Mill Channel	8,10
9-2	Pequonnock River	8,10
9-3	Pequonnock River	8,10
9-3	Pequonnock River	8,10
9-4	Pequonnock River	8,10
9-5	Pequonnock River	8,10
9-6	Pequonnock River	9
9-7	Pequonnock River	9
9-14	Pequonnock River	9
9-15	Pequonnock River	9
10-3	Yellow Mill Channel	9
10-4	Pembroke Lake	8,10
10-5	Pembroke Lake	8,10
10-7	Pembroke Lake	8,10

Attachment F - Part III Table 3.1 - System Vulnerability Factor Summary

Outfall ID#	Receiving Body	System Vulnerability Factors
10-7		8,10
10-8	Bruce Brook	8,10
10-9	Bruce Brook	8,10
10-10	Bruce Brook	8,10
10-11	Bruce Brook	8,10
10-12	Bruce Brook	8,10
10-13	Yellow Mill Channel	8,10
10-14	Pequonnock River	8,10
10-15	Pequonnock River	8,10
10-16	Pequonnock River	8,10
10-17	Pequonnock River	8,10
10-18	Pequonnock River	8,10
10-19	Pequonnock River	8,10
10-20	Pequonnock River	8,10
10-23A	Bruce Brook	8,10
10-23B	Bruce Brook	8,10
10-24A	Bruce Brook	8,10
14-1	Lake Forest	2,8,10
14-2	Lake Forest	8,10
14-3	Lake Forest	8,10
14-4	Rooster River	8,10
14-5	Rooster River	8,10
14-6	Rooster River	8,10
14-7	Rooster River	8,10
14-8	Horse Tavern Brook	8,10
14-10	Ox Brook	8,10
14-12	Ox Brook	8,10
14-14	Ox Brook	8,10
14-15	Ox Brook	8,10
14-16	Ox Brook	8,10
14-17	Rooster River	8,10
14-19	Rooster River	8,10
14-20	Rooster River	8,10
14-21	Rooster River	8,10
14-22	Ox Brook	8,10
14-23	Rooster River	2,8,10
14-24	Rooster River	2,8,10
14-25	Ox Brook	8,10
14-27	Ox Brook	8,10
14-28	Rooster River	8,10
14-29	Ox Brook	8,10
14-30	Horse Tavern Brook	8,10
14-31	Rooster River	8,10
14-32	Horse Tavern Brook	8,10
14-33	Horse Tavern Brook	8,10
14-34	Horse Tavern Brook	8,10
14-35	Horse Tavern Brook	8,10
14-36	Horse Tavern Brook	8,10
14-37	Horse Tavern Brook	8,10
14-38	Horse Tavern Brook	8,10
14-39	Ox Brook	8,10
14-40	Ox Brook	8,10
14-41	Ox Brook	8,10
14-42	Ox Brook	8,10

Attachment F - Part III Table 3.1 - System Vulnerability Factor Summary

Outfall ID#	Receiving Body	System Vulnerability Factors
14-43	Ox Brook	8,10
14-44	Ox Brook	8,10
14-45	Pequonnock River	8,10
14-46	Pequonnock River	8,10
14-47	Pequonnock River	8,10
14-48	Pequonnock River	8,10
14-49	Pequonnock River	8,10
14-50	Pequonnock River	8,10
14-51	Pequonnock River	8,10
14-52	Pequonnock River	8,10
14-53	Pequonnock River	8,10
14-54	Pequonnock River	8,10
14-55	Pequonnock River	8,10
14-56	Rooster River	8,10
14-57	Rooster River	8,10
14-58	Rooster River	8,10
14-59	Rooster River	8,10
16-1	Yellow Mill Channel	8,10
16-3	Yellow Mill Channel	8,10
16-5	Yellow Mill Channel	8,10
16-6	Yellow Mill Channel	8,10
16-7	Yellow Mill Channel	8,10
16-8	Yellow Mill Channel	8,10
16-9	Yellow Mill Channel	8,10
16-10	Yellow Mill Channel	8,10
16-11	Yellow Mill Channel	8,10
16-12	Yellow Mill Channel	8,10
16-13	Yellow Mill Channel	8,10
16-14	Yellow Mill Channel	8,10
16-15	Yellow Mill Channel	8,10
16-16	Pequonnock River	2,8,10
16-17	Pequonnock River	2,8,10
16-18	Pequonnock River	2,8,10
16-19	Pequonnock River	8,10
16-20	Pequonnock River	8,10
16-21	Pequonnock River	8,10
16-22	Pequonnock River	8,10
16-23	Pequonnock River	8,10
16-24	Pequonnock River	8,10
16-25	Pequonnock River	8,10
16-26	Yellow Mill Channel	8,10
16-27	Pequonnock River	8,10
16-28	Pequonnock River	8,10
16-29	Pequonnock River	8,10
16-30	Pequonnock River	8,10
16-31	Pequonnock River	8,10
16-32	Pequonnock River	8,10
8-1	Rooster River	8,10
8-2	Rooster River	8,10
8-3	Rooster River	8,10
8-4	Rooster River	8,10
8-5	Rooster River	8,10
8-6	Rooster River	8,10
8-7	Rooster River	9

Attachment H - Part III Table 3.3 - Key Junction Manhole Wet Weather Screening and Sampling Data

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)
1-3	3/31/2017	0.46	0.25	0.50
1-7	6/6/2016	0.06	0.00	1.00
1-8	6/6/2016	0.04	0.50	0.75
1-9	6/6/2016	0.00	0.50	0.75
1-10	5/23/2016	0.05	0.00	1.00
1-11	6/6/2016	0.08	0.00	1.50
1-12	3/31/2017	0.25	0.00	0.25
1-13	3/31/2017	0.19	0.00	0.50
1-15	5/23/2016	0.00	1.00	0.75
1-16	3/31/2017	0.24	0.00	0.80
1-17	5/24/2016	0.03	0.00	0.25
1-18	6/6/2016	0.13	3.0+	0.75
1-19	3/31/2017	0.24	0.00	0.25
1-23	6/9/2016	0.00	0.00	1.50
1-24	3/31/2017	0.34	0.25	0.25
1-25	3/31/2017	0.42	0.00	0.25
1-26	6/7/2016	2.20	3.0+	3.00
1-27	6/7/2016	0.09	0.00	1.00
3-11	7/17/2017	0.72	0.25	0.50
3-12	7/17/2017	0.06	0.00	3.00
3-13	7/17/2017	0.18	0.50	1.50
3-14	7/17/2017	0.20	0.25	1.00
3-16	Tested by EPA	0.00	0.00	NS
6-2	Tested by EPA	0.01	0.50	NS
6-3	5/24/2016	0.25	0.25	0.50
6-4	Tested by EPA	0.00	0.25	0.50
6-10	Tested by EPA	0.00	3.00	1.50
6-12	7/14/2017	0.04	0.00	3.00
6-14	5/24/2016	0.38	0.25	0.50
6-16	5/24/2016	0.12	0.00	0.75
6-18	6/9/2016	0.04	0.00	2.00
6-19	6/9/2016	0.07	0.00	1.50
6-21	5/24/2016	0.22	0.25	0.50
6-23	6/3/2016	0.27	2.00	0.75
6-28	5/24/2016	0.00	0.00	2.00
9-2	9/19/2016	0.17	0.25	0.25
9-5	9/19/2016	0.43	0.50	1.50
9-6	9/19/2016	0.17	0.50	1.50
9-7	6/7/2016	0.70	1.00	0.75
9-14	9/1/2016	0.24	2.00	3.00
9-15	6/7/2016	0.00	0.00	1.50
10-4	6/9/2016	0.00	0.00	0.75
10-5	6/9/2016	0.01	0.50	0.00
10-9	7/29/2016	0.20	0.25	1.00
10-10	6/9/2016	0.05	0.50	0.75
10-10	12/5/2017	0.16	0.50	1.50
10-11	7/29/2016	0.17	0.75	0.50
10-12	12/12/2016	0.01	0.25	0.25
10-13	Tested by EPA	0.06	3.00	<0.25
10-15	Tested by EPA	0.00	0.00	<0.25
10-16	4/6/2017	0.23	0.00	1.00

Attachment H - Part III Table 3.3 - Key Junction Manhole Wet Weather Screening and Sampling Data

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)
10-18	Tested by EPA	0.01	0.00	<0.25
10-20	1/23/2018	1.71	0.25	1.00
10-23A	12/5/2017	0.07	0.25	1.00
10-23B	12/5/2017	0.10	0.25	1.50
10-24A	12/5/2017	0.07	0.25	2.00
14-1	3/27/2017	0.71	0.00	0.50
14-2	3/27/2017	0.45	0.00	0.25
14-3	3/27/2017	0.81	0.00	0.25
14-4	9/19/2016	0.12	0.00	0.25
14-10	6/3/2016	0.13	0.75	0.75
14-12	4/21/2017	0.22	0.00	1.00
14-14	4/21/2017	0.16	0.00	0.50
14-15	4/21/2017	0.25	0.25	3.00
14-16	11/15/2016	0.19	0.25	0.25
14-17	7/14/2016	0.01	0.00	0.25
14-19	11/15/2016	0.30	3.00	1.00
14-20	4/21/2017	0.56	0.00	0.50
14-24	5/5/2017	0.29	2.00	1.50
14-25	9/19/2016	0.15	0.25	1.00
14-27	3/27/2017	0.68	0.00	0.25
14-28	6/3/2016	0.11	0.25	1.00
14-30	11/15/2016	0.16	0.25	0.00
14-31	5/31/2016	0.00	0.00	0.25
14-34	8/2/2016	0.10	0.00	0.50
14-35	5/5/2017	0.06	0.50	3.00
14-37	8/2/2016	0.04	0.75	0.50
14-40	9/19/2016	0.36	0.25	1.00
14-43	9/19/2016	0.22	0.50	0.50
14-48	7/29/2016	0.37	0.00	0.50
14-49	3/27/2017	0.77	0.00	0.25
14-50	5/25/2017	0.18	0.00	1.00
14-52	5/31/2016	0.11	0.00	0.25
14-53	9/19/2016	0.15	0.00	0.25
14-55	9/19/2016	0.15	0.00	0.75
14-56	12/12/2016	0.00	0.25	0.25
14-57	3/1/2017	0.64	0.25	0.50
14-59	6/1/2016	0.05	0.00	0.25
16-1	3/1/2017	1.09	0.25	0.25
16-3	3/1/2017	0.78	0.25	0.50
16-5	11/29/2016	0.12	0.00	0.50
16-6	11/29/2016	0.29	0.00	1.00
16-7	7/26/2016	0.24	0.25	1.50
16-8	7/29/2016	0.09	0.00	0.75
16-9	11/15/2016	0.38	0.25	0.25
16-11	6/29/2016	0.04	0.00	0.25
16-12	4/6/2017	0.06	0.00	1.00
16-13	3/1/2017	1.14	0.25	0.50
16-14	11/29/2016	0.21	0.25	0.75
16-17	4/4/2017	0.03	0.00	0.50
16-18	1/23/2018	1.14	0.00	0.50
16-19	9/19/2016	0.14	0.00	0.75
16-20	5/25/2017	0.10	1.00	0.75
16-21	5/25/2017	0.14	0.50	0.75

Attachment H - Part III Table 3.3 - Key Junction Manhole Wet Weather Screening and Sampling Data

Outfall ID#	Sample Date	Cl ₂ (mg/L)	NH ₄ (mg/L)	MBAS (mg/L)
16-22	5/25/2017	0.14	0.50	1.50
16-23	4/25/2018	0.00	0.00	0.75
16-24	5/25/2017	0.20	1.50	1.00
16-25	5/25/2017	0.12	0.75	0.50
16-26	11/29/2016	0.17	0.50	0.25
16-28	6/28/2016	0.15	0.00	0.75
16-30	7/29/2019	0.34	0.50	0.75
16-31	11/29/2016	0.29	0.50	0.25
8-1	3/27/2017	0.60	0.75	0.50
8-2	4/25/2018	0.00	0.00	1.50
8-3	6/1/2016	0.07	0.00	0.25
8-4	11/15/2016	0.51	0.75	0.50
8-5	3/27/2017	1.20	0.50	0.75
8-6	11/15/2016	0.26	0.25	1.00
8-7	Tested by EPA	0.16	3.0+	0.75
8-7	6/1/20106	0.01	1.00	0.40