MS4 General Permit
Town of Stratford 2022 Annual Report
Existing MS4 Permittee
Permit Number GSM 000105
January 1, 2022 – December 31, 2022

Primary MS4 Contact: Raynae Serra, Director of Public Works, 203-385-4084, rserra@townofstratford.com

This report documents Town of Stratford's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2021 to December 31, 2021.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	Activities in current reporting period s	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement public education program	*No update on the draft letter to send to properties abutting Long Brook watershed regarding pollution prevention was never approved for distribution. No other education performed.*	*Self developed*	-US mail		Update stormwater management website and social media platforms with pertinent articles and links Public educated on the importance of pollution prevention through print media and through participation in various events	Conservation (Kelly Kerrigan)	The goal of the letter is to educate residents to properly dispose of yard wastes, and other pollutants.

1.1a Distribute educational materials to developers	*D*istributed *Notice to Contractors on MS4 requirements relating to construction.*	*Self developed*	Online permitting system Handout at each office Email	*42 engineering licenses issued 979 contractors receiving notice when applying for license or permit*	Number of contractors receiving notice when applying for license or permit.	Conservation (Kelly Kerrigan) Engineering (John Casey) Zoning (Jay Habansky)	*Continue to distribute with permit applications in Building, Engineering and Planning and Zoning, now included in e-permit system.*
1.1b Establish a program for stormwater education in schools	*This still has not been reinstated in the schools, however discussions regarding renewing have taken place, though no substantial progress has been made.*				Number of attendees from outreach activities to schools throughout the town discussing impacts of stormwater discharges on local waterbodies	Conservation (Kelly Kerrigan)	
1.1c Develop a program for employee training					Number of training sessions held	Conservation (Kelly Kerrigan)	
1-2 Address education/ outreach for pollutants of concern*					Number of educational programs held regarding pollutants of concern	Conservation (Kelly Kerrigan) Planning (Susmitha Attota)	
1-3 Provide outreach for new ordinances		*Self developed*			Number of letters sent	Conservation (Kelly Kerrigan)	*No new ordinances have been approved.*

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

Dissemination of educational information on the Town's stormwater management website, and directly to contractors/permit applicants, will continue. The Conservation Department will publish articles on the town website, social media platforms, and newspapers that address different facets of stormwater management, including ways in which residents can help reduce pollutants of concern (i.e. nutrients and bacteria).
A future training event may be scheduled for 2023.

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

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Location Posted	Additional details
2-1 Continue availability of Final Stormwater Management Plan	Complete	Plan available on line and at Townhall office of Town Engineer.	Plan available to public at all times.	Engineering (John Casey)	On-going	*Town Website: https://www.stratfordct.gov/content/39832/39846/39927/40909/77073/default.aspx* *Town Engineer office Townhall Rm 110 2725 Main St, Stratford, CT*	*See attached webpage screenshot*
2-1b Comply with public notice requirements for Annual Reports	*Complete*	Pre-publication notice displayed on Town Website and posting of Draft 2021 Report was displayed on Town Website for inspection and comment	Publication of notice and report	Engineering (John Casey)	January 31, 2022 and Feb 16, 2022	*Town webpage and* engineering office	*See attached webpage screenshot*
2.2 Project Greensweep	*Complete*	Annual Greensweep /Housatonic River Cleanup event held.	130 Registered participants 7 tons collected	Conservation/ DPW (Kelly Kerrigan)	April 30, 2022	Mayor's Facebook and E-Mail Notification	*Performed in association with the multi-Town Housatonic River Cleanup effort. See flyer poster attached.*
2.2b Regular Cleanups at Parks by Conservation Commission	*On-going*	Longbrook Park Commission Cleanup	-Number of events- 1 -Total number of participants—30-40 People in attendance	Conservation/ DPW (Kelly Kerrigan)	April 23, 2022	Mayor's Facebook and E-Mail Notification. Town Website. Longbrook Park Commission.	*See flyer poster attached.*

2.2b Hold a "Household Hazardous Waste Day" Event	*Complete and ongoing biennially*	Household Hazardous Waste Collection held at DPW. 332 vehicles processed	-Number of vehicles processed-	Conservation/DPW (Kelly Kerrigan)	*November 12, 2022*	CT Post, Stratford Patch, Town website, Electronic Signage, E-Mail Notification.	*See attached flyer See URL below:* https://www.stratfordct.gov/qcontent/NewsFeed.aspx?FeedID=3448
2-3 Establish stormwater committee	*Complete*	Committee did not meet in 2022, however, meetings held with Engineering, Conservation and Consultant regarding testing and monitoring.	*Provide forum to coordinate SWMP implementation across depts. and commissions*	Conservation (Kelly Kerrigan), Engineering (John Casey)	*Nov 1, 2017*	*N/A*	*Town staff members advise public committees/commission at their monthly meetings.*
2-4 Establish volunteer tree planting program	*Discontinued*	*No activity 2022*	*Number of Trees purchased by public*	Conservation (Kelly Kerrigan), Engineering (John Casey)	*N/A*	*N/A*	*Public volunteer program has been discontinued. This item will be removed in 2023 report. PW planted 183 trees – three of which were donated for annual Arbor Day celebration*
2-5 Participate in Save the Sound's unified Water Study assessing the quality of embayments in Long Island Sound.	*Complete and ongoing*	*Completed sampling trips in the Housatonic River off of Stratford for the 2022 sampling. Completion of 11 planned sampling trips at 5 stations.*	*Number of completed of sampling trips at monitoring stations.*	Conservation (Kelly Kerrigan)	*May – Oct 2022*	*N/A*	*Sixth year of participation completed for 2022 season. Participation in this program will continue provided funding and equipment is once again made available. Provided data to Save the Sound for their water quality reporting*

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

Town staff members will continue to advise public committees/commission at their monthly meetings.
Annual Greensweep/Housatonic River Cleanup event will be held April 22, 2023.
Longbrook Park cleanup will continue in 2023
Participation in Save the Sound's unified Water Study will continue in 2023

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

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible		Date completed or projected completion date	Additional details
3-1 Develop written IDDE program	Complete		Written plan of IDDE program in place	Conservation (Kelly Kerrigan) Engineering (John Casey) WPCA (Thomas Hyde) Highways (Thomas Albert)		2019	Town Consultant (HRP) completed IDDE program materials.
3-2 Update maps of all MS4 stormwater outfalls throughout municipality	In progress	Periodic updates made to stormwater mapping, including State storm system review.	Update of GIS map layers	Engineering (John Casey)		10-2022 and on-going	*Langan Engineeing is consultant for updates.*
3-3 Implement citizen reporting program	Complete		Completion of SOP for program # of complaints tracked in 2021= 0 reported incidents	Conservation (Kelly Kerrigan) IT Department (David Wright)		10-30-18 and On-going	Citizens may submit a comment, service request, or complaint on-line by clicking on the "Submit Service Request" link found on the Town of Stratford Home Page: http://www.townofstratford.com. They also may call PW to report an incident.
3-4 Establish legal authority to prohibit illicit discharges	Complete	N/A	Establishment of authority upon approval of ordinance by Town Council	Mayor (Laura Hoydick)		*Completed November 13, 2018*	*IDDE ordinance approved by Town Council.*
3-5 Develop record keeping system for IDDE tracking	*Completed and on-going*	in 2022, 1 total incident was reported.	Development of system/database # of incidents tracked	Director of Public Works (Raynae Serra)		*July 2021 and on-going*	
3-6 Address IDDE in areas with pollutants of concern	*On-going*	*TV investigation of Hubbel on Seymour St and additional TV on Hollister Ave for potential illicit discharge.*	# of reported and investigated IDDE in areas with pollutants of concern	Public Works (Raynae Serra) Blight (Richard Fredette)			*No IDDE found to date.*

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

3.2 Renewed* contract with *Consultant to continue to update GIS map in 2023 to verify record map locations and indexing.
3.3 Bruce Brook cleanup effort and IDDE investigation conducted by Harbor Watch in coordination with the City of Bridgeport will continue.
3.6 Continue investigation of Hubbell on Seymour St to see if storm connections are a contributing pollution source.

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table. 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.

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)
471 West Reitter Street	12/29/2022	MS4	<0.5 gallons	Leaking motor vehicle	Neighbor reported leaking motor vehicle. Responsible party applied absorbent material	None
1269 Barnum Ave	5-12-2022	Odor in downstream CB	unknown	Surcharged sewer main with offset joint	Grease removed from sanitary sewer relieving the surcharged condition causing exfiltration.	None

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

Method used to track illicit discharge reports	Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible
FoxPro database	220 Far Mill	System repaired	None Identified	Health/ Maureen Whelan
FoxPro database	945 Beaver Dam Road	Repair begun in 2022	None Identified	Health/ Maureen Whelan
FoxPro database	185 Peters Lane	Repair on hold	None Identified	Health/ Maureen Whelan
FoxPro database	280 James Farm Road	System repaired	None Identified	Health/ Maureen Whelan

3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports.

Building Engines work order system is used by Highway and Conservation Divisions to track DPW activities. Updated to better Track IDDE- under Issue Category "Conservation", we have an Issue Type "Illicit Discharge Inspection". We only received one citizen request for this issue type during 2022. The Stratford Health Department uses environmental software called FoxPro to track septic system work.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	*#265*
Estimated or actual number of interconnections	*#Unknown*
Outfall mapping complete	*99%*
Interconnection mapping complete	*0%**
System-wide mapping complete (detailed MS4 infrastructure)	*95%*
Outfall assessment and priority ranking	Catchment ranking completed
Dry weather screening of all High and Low priority outfalls complete	*#249*
Catchment investigations complete	*#234*
Estimated percentage of MS4 catchment area investigated	234/265 = ~88%

*State-owned outfalls have been identified and mapped however potential MS4 interconnections with those outfalls have not yet been determined.

**The remaining 16 MS4 outfalls have not been dry weather screened as the outfall itself could not be located or was submerged and/or the nearest upstream stormwater structure could not be identified/located.

***Key Junction Manhole Dry Weather Investigation continued 2022. 31 potential key junctions remain, where the completed investigations were either systems that do not feature a key junction thus, were ruled out or were investigated appropriately. Efforts were focused in catchments where permit benchmark criteria was exceeded in dry weather samples collected from the outfalls. Additional efforts have been made to review the storm drain network (via mapping and in the field) in other catchments and it has been determined that more than one key junction manhole or no key junction manholes are present in some catchments.

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

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible		Date completed or projected completion date	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	In progress	No update 2022.	Making appropriate changes and updates to land use regulations	CAO (Chris Tymniak)		December 2021 and continuing into 2023	
4-2 Develop/Implement model for interdepartmental coordination in site plan review and approval	Complete	All land use applications are sent to various departments for staff comments prior to planning and zoning hearings.	interdepartmental coordination in site plan review	Zoning (Jay Habansky)		*Continuation of existing practice for multi-dept plan reviews completed July 1, 2017 and* On-going	
4-3 Review site plans for stormwater quality concerns	On-Going	52 Zoning applications referred for review 2022. 23 applications for Inland Wetlands reviewed in 2022.	Completion of reviews.	Zoning (Jay Habansky) Engineering (John Casey) Conservation (Kelly Kerrigan)		*Continuation of existing practice completed through Dec 2020* On-going	
4-4 Conduct site inspections to ensure compliance with MS4, stormwater management plan, and sediment and erosion control requirements	On-Going	7 compliance inspections by ZEO for 2022.	# of inspections Conducted	Zoning (Jay Habansky) Conservation (Kelly Kerrigan)		*Continuation of existing practice therefore completed July 1, 2017* On-going	Inspection list by ZEO attached
4-5 Maintain current opportunities for allowing public comment on site development	On-Going	public hearings and public forums held for site development proposals with significant impacts continue.	Conduct public hearings and public forums on site development proposals	Mayor (Laura Hoydick) (Sarah Mathews) Town Attorney (Chris Hodgson)		*Continuation of existing practice therefore completed July 1, 2017* On-going	*Public comment is always offered at every public hearing for site plan review*
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	*Complete*	979 contractors receiving notice when applying for license or permit.	Continue to provide developers with necessary information in permit application package	Zoning (Jay Habansky) Buildings (Brian Donovan) Engineering (John Casey) Conservation		Continuation of existing practice completed through Dec 2022 On-going	*See Attached*

				(Kelly Kerrigan)			
4-7 Develop stormwater compliance checklist	*In progress*		*Standardize plan review*	Zoning (Jay Habansky)		*2021*	

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

4-1 Complete review of existing ordinances and regulations to evaluate the potential to upgrade land use regulations or other legal authority to meet requirements of MS4 general permit.

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

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible		Date completed or projected completion date	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	On-Going	No Activity in reporting period.	Incorporation of LID in to land use regulatory framework	Town Attorney (Chris Hodgson)		unknown	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	On-Going	52 Zoning applications reviewed and monitored as a 2022.	Inspect developments for LID/runoff compliance	Engineering (John Casey) Zoning (Jay Habansky Conservation (Kelly Kerrigan))		N/A	*Inspections of construction of approved plans are completed by the responsible town dept.*
5-3a Update Identify retention and detention ponds in priority areas	Complete	*Updates of inventory completed in 2022.*		Engineering (John Casey)		December 2022	*Distributed to conservation Director of Public Works and Highway Superintendent.*

5-3b Implement long-term maintenance plan for stormwater basins and treatment structures	*On-going*	*Basins are inspected when they are cleaned and also at the times that roads are being paved.*	Creation of maintenance plan document	Highways (Thomas Albert)		*Maintenance Plan developed in 2021*	
5-4 DCIA Determination	complete		Completed DCIA baseline estimate	Engineering (John Casey Planning (Susmitha Attota))		*Dec 2020*	*See additional detail below*
5-5 Address post-construction issues in areas with pollutants of concern	*In progress*	*Zoning Commission continued to condition approvals to have maintenance plans for stormwater management.*	Create Regulations and reporting procedures in place to ensure initial and long-term compliance	Zoning (Jay Habansky) Conservation (Kelly Kerrigan)			
5-6 Open space grant	*In progress*	*Activity occurred in 2022 toward planned acquisitions.*	*Acreage of property purchased*	Planning/Zoning (Jay Habansky) Conservation (Kelly Kerrigan)	-	*Dec 2023*	

5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable.

5-1 Complete review of existing ordinances and regulations to evaluate the potential to upgrade land use regulations or other legal authority to meet requirements of MS4 general permit including regarding LID and runoff reduction in development
5.6 We are currently working on closing the acquisition of the Beaver Dam parcels and James Farm Road parcels from the 2019 OSWA grant to be completed in 2023.

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)	1492 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / acres total
Retrofits completed	*0 locations*- -
DCIA disconnected Retrofits	0 acres this year
Estimated cost of retrofits	$0
Detention or retention ponds identified	# 0 this year /#9 total

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

Directly Connected Impervious Areas in Stratford have been mapped by categorizing each drainage basin located in Stratford into one of the following five categories i.e., "fully connected, wicked connected, moderately connected, 'sorta connected, and slightly connected" (as per the UCONN CLEAR methodology). The Town's current zoning map was also used as a guide to categorize each basin accurately based on land use types that are allowed in each zone.

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

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible		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	*Ongoing*	No activity in reporting period.	Training conducted	Conservation (Kelly Kerrigan)		December 4 & 8, 2020	Training is being scheduled for Spring 2023
6-2 Implement MS4 property and operations maintenance	Complete and Ongoing	Adhering to state and local IPM methods CT state changed training for Junior Pesticide License holders.	Change to Eco friendly "Safe n' Sure" ice melt in use at all town facilities.	Parks Dept (Chad Esposito)		Jul 1, 2018 and On-going	*IPM methods are ongoing pertaining to all pesticide applications* CT state changed training for Junior Pesticide License holders
6-3 Implement coordination with interconnected MS4s	*On-going*	*Discussed MS4 implementations with City of Bridgeport Engineering Dep.*	Meeting with operators of interconnected MS4s and coordinating efforts to achieve BMPs	Conservation (Kelly Kerrigan) Engineering (John Casey) Zoning (Jay Habansky)		*Dec 2018 and* On-going	
6-4 Develop/implement program to control other sources of pollutants to the MS4		No activity in reporting period.	Develop/implement program	Public Works (Raynae Serra)			
6-5 Evaluate additional measures for discharges to impaired waters*		No new action taken in 2022.	Report on additional measure being undertaken	Public Works (Raynae Serra) Zoning (Jay Habansky)			
6-6 Track projects that disconnect DCIA	Ongoing	*No work performed during 2022 due to lack of resources.*	Maintain spreadsheet of disconnect projects	Zoning (Jay Habansky) Engineering (John Casey)		On-going	

6-7 Implement infrastructure repair/rehab program	In Progress	*Designer engaged for design of miscellaneous drainage improvements, which will be done in concert with retrofit projects*	Update/implement program	Highways (Thomas Albert) Engineering (John Casey)			
6-8a Develop plan to identify/prioritize retrofit projects	*Complete and On-going*	*Advertised RFP and selected consultant for southend drainage study, which will incorporate solutions to comply with MS4 goals as well as reduce flooding.*	Develop retrofit plan.	Engineering (John Casey) Conservation (Kelly Kerrigan)		*Dec 2023 & On-going*	
6-8b Implement retrofit projects to disconnect 2% of DCIA	In Progress	*Final designs for retrofit project completed for work at the Baldwin Center and Bunnell HS parking lots with bids received and contracts awarded in fall 2022. RFP issued and contract awarded for southend drainage study to include MS4 compliance strategies in this low lying are of the town.*	Number of Implement retrofit projects completed 0	Engineering (John Casey) Conservation (Kelly Kerrigan) Highways (Thomas Albert)		*Sept 2023 & On-going*	
6-9 Assess/modify street sweeping program	*Complete and On-going*		Modify program to comply with MS4 General Permit	Highways (Thomas Albert)		*11/2018 &* On-going	*All streets are swept once in town. Main roads are done once and again on an as-needed basis*
6-10 Assess/modify catch basin cleaning program	*Complete and On-going*		Inspect all town catch basins by 2020	Highways (Thomas Albert)		*Sept 2018*	*SOP's instituted*
6-12 Assess/modify snow management practices	*On-going*	*Trucks have been adjusted and drivers informed to utilize a limited amount of salt.*	Modify program to comply with MS4 General Permit	Highways (Thomas Albert)			*Plan to use limited salt for snow management*
6-13 Identify highly erosive areas in town ROW	*In-progress*	*Consultant completed draft study of stream capacity and erosion of Tanners Brook north of Broadbridge Ave for Engineering dept.*	*ID areas contributing large volume of sediment to town waterbodies*	*Highways (Thomas Albert) Conservation (Kelly Kerrigan)*		*Study conducted on Tanners Brook 2022*	

6-14 Town tree re-planting program	*On-going*		*Number of Trees planted.*	Conservation (Kelly Kerrigan)		*Last planting Spring-Fall 2021*	*Former public volunteer program discontinued*

6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.

Conservation Dept will follow up summer 2022 with City of Shelton on Cemetery Brook / Cranberry Pond coliform investigation and Far Mill River.

Continue to work with Harbor Watch, Soundkeeper, and City of Bridgeport to reduce pollution of Bruce Brook in 2023. Preparing Wastershed Based Plan for Bruce Brook.

6.2 **Implement MS4 property and operations maintenance** ***By 2025 CT DEEP will require training for all junior pesticide license holders. The Stratford Parks Dept will be training February 2023. Training to be coordinated and scheduled for more Town Staff for Spring 2023.***

6.5 **Evaluate additional measures for discharges to impaired waters** ***-10 projects within Coastal Boundary to receive Coastal Site Plan Review, referrals to Waterfront Commission/DEEP ensuring mitigation of impaired waters***

6.8b Implement a retrofit project will be coordinated with parking lot reconstruction in 2023 for work at the Baldwin Center and Bunnell HS parking lots. Evaluate potential for disconnection in southend including raingardens and underground storage in 2023.

6.6 Request funding to review projects that disconnect DCIA for Tracking update

6.7 Complete design of ***miscellaneous drainage improvements, which will be done in concert with retrofit projects and proceed to bid.***

6-13 Review and begin to implement recommendations from study of ***Tanners Brook downstream of Stratford HS to Broadbridge Ave, beginning with grant application in 2023. Evaluate 225 Peace Acre Lane swale erosion due to Golf Course runoff. Evaluate, Main St Putney gutter approaching south Rte110 for potential improvement.***

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	*No Training conducted in 2022*
Street sweeping	
Curb miles swept	*500 est miles*
Volume (or mass) of material collected	*~included in CB waste removal/disposal*
Catch basin cleaning	
Total catch basins in priority areas	*#5500*
Total catch basins in MS4	*#5500*
Catch basins inspected	*#1863 prev, no data*

	2022
Catch basins cleaned	*#1863 prev, no data 2022*
Volume (or mass) of material removed from all catch basins	*3000 tons prev, no data 2022*
Volume removed from catch basins to impaired waters (if known)	*Not tracked separate*
Snow management	
Type(s) of deicing material used	*Straight salt*
Total amount of each deicing material applied	*2500 tons prev, no data 2022*
Type(s) of deicing equipment used	*spreaders*
Lane-miles treated	*400 miles per storm*
Snow disposal location	*N/A*
Staff training provided on application methods & equipment	*Yes: on the job training for new employees*
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	*Changed fertilizer use: add Carbon based, approx. 65-35% Carbon to Synthetic use throughout town.*
Reduction in turf area (since start of permit)	*3 acres*
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	*$ N/A*

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program

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.

See attached retrofit program plan.

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

Continue to work in coordination with Town parking lot restorations to incorporate DCIA separation working into restoration work performed by the DPW. Work to have larger redevelopment projects disconnect impervious areas, including the Ross and Roberts re-development and the Stratford Army Engine Plant re-development projects upcoming.

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.
Impaired Waterbodies Monitoring: 39 of 88 outfalls completed (44%) as of Dec 2022. **IDDE Wet Weather Monitoring: 19 of 251 outfalls completed (8%) as of Dec 2022.** **In 2022 the water tables were very low due to drought, and in coordination with CT DEEP, they prefer wet weather sampling to be completed when water tables are high. Therefore less progress was made in 2022. Monitoring will continue in 2023.**

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

2.1 Screening data collected under 2017 permit

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

Outfall ID	Sample date	Parameter **(Nitrogen, Phosphorus, Bacteria, or**	Results	Name of Laboratory (if used)	Follow-up required?

		Other pollutant of concern)			
BRB-OF-0043CB	4-12-18	Bacteria	- *E. coli* 4200 *CFU/100ml*		*Yes*
BRB-OF-0043CB	5-22-18	Bacteria	- *E. coli* 7800 *CFU/100ml*		*Yes*
BRB-OF-0043CB	6-25-18	Bacteria	- *E. coli* 3200 *CFU/100ml*		*Yes*
BRB-OF-0043CB	7-16-18	Bacteria	- *E. coli - CFU/100ml*		*Yes*
BRB-OF-0043CB	8-22-18	Bacteria	- *E. coli* 8400 *CFU/100ml*		*Yes*
BRB-OF-0043CB	8-29-18	Bacteria	- *E. coli* 33000 *CFU/100ml*		*Yes*
BRB-OF-0037	8-22-18	Bacteria	- *E. coli* 280 *CFU/100ml*		*Yes*
BRB-OF-0040CB	8-22-18	-	- *E. coli* stagnant *CFU/100ml*		*Yes*
Old Spring Rd	8-22-18	Bacteria	- *E. coli* 2000 *CFU/100ml*		*Yes*
BRB-OF-0016	8-22-18	-	- *E. coli* Dry *CFU/100ml*		*Yes*
Bunnell Ave	8-22-18	Bacteria	- *E. coli* 900 *CFU/100ml*		*Yes*

Outfall ID	**Latitude / Longitude**	**Sample date**	**Parameter** (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	**Results**	**Name of Laboratory (if used)**	**Follow-up required? ***
BRB-OF-0003N	*41.189123, -73.154694*	*01/03/2020*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 246 MPN/100ml* - *T Coliform >2,000 CFU/100ml* - *Turbidity of outfall 9.78*	*Phoenix*	*Yes*

				NTU - *Turbidity upstream 4.54 NTU*		
BRB-OF-0023	*41.189301, -73.155016*	*01/03/2020*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 9,210 MPN/100ml* - *T Coliform >2,000 CFU/100ml* - *Turbidity of outfall 7.40 NTU* - *Turbidity upstream 4.75 NTU*	*Phoenix*	*Yes*
HRN-OF-0094	*41.205494, -73.127768*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.54 mg/l* - *Total Phosphorus 0.050 mg/l*	*Phoenix*	*No*
HRN-OF-0079	*41.20772, -73.127931*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 1.86 mg/l* - *Total Phosphorus 0.277 mg/l*	*Phoenix*	*No*
HRN-OF-0003	*41.207674, -73.127643*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.63 mg/l* - *Total Phosphorus 0.069 mg/l*	*Phoenix*	*No*
HRN-OF-0078	*41.207635, -73.127627*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 1.52 mg/l* - *Total Phosphorus 0.146 mg/l*	*Phoenix*	*No*
HRN-OF-0002	*41.207049, -73.128436*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.71 mg/l* - *Total Phosphorus 0.094 mg/l*	*Phoenix*	*No*
SWS-OF-0005	*41.150842, -73.121576*	*04/30/2020*	- *Bacteria*	- *Enterococci 620 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-	*41.151488,*	*04/30/2020*	- *Bacteria*	- *Enterococci*	*Phoenix*	*Yes*

0004	*-73.120124*			*4,360 MPN/100ml*		
SWS-OF-0003	*41.151488, -73.120124*	*04/30/2020*	*- Bacteria*	*- Enterococci 2,010 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0002	*41.151674, -73.116506*	*04/30/2020*	*- Bacteria*	*- Enterococci 11,200 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0002a	*41.151811, -73.117724*	*04/30/2020*	*- Bacteria*	*- Enterococci 1,350 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0001	*41.151266, -73.112567*	*04/30/2020*	*- Bacteria*	*- Enterococci 1,210 MPN/100ml*	*Phoenix*	*Yes*
HRS-OF-0011	*41.182634, -73.128459*	*04/30/2020*	*- Bacteria*	*- Enterococci 19,900 MPN/100ml*	*Phoenix*	*Yes*

2.2 Credit for screening data collected under 2004 permit

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.

Outfall	Sample date	Parameter **(Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)**	Results	Name of Laboratory (if used)	Follow-up required?
Park/Maple	*10-4-10*	*Nitrogen*	*TN -0.68 mg/l*	*EM*	*No*
		Phosphorus	*TP- 0.27 mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 2500 *CFU/100ml*	*EML*	*No*
Monroe	*10-4-10*	*Nitrogen*	*TN -0.97 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.63mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 240 *CFU/100ml*	*EML*	*No*
Linden	*10-4-10*	*Nitrogen*	*TN -0.81 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.18mg/*	*EML*	*No*
		Bacteria	*E. coli* 500 *CFU/100ml*	*EML*	*No*
Ryders	*10-4-10*	*Nitrogen*	*TN -1.42 mg/*	*EML*	*No*

		Phosphorus	*TP- 0.43mg*	*EML*	*No*
		Bacteria	*E. coli* 180 *CFU/100ml*	*EML*	*No*
Garfield	*10-4-10*	*Nitrogen*	*TN -2.01 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.39mg*	*EML*	*No*
		Bacteria	*E. coli* 950 *CFU/100ml*	*EML*	*No*
Sunset	*10-4-10*	*Nitrogen*	*TN -0.31 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.17mg*	*EML*	*No*
		Bacteria	*E. coli* 1000 *CFU/100ml*	*EML*	*No*
Park/Maple	*10-19-11*	*Nitrogen*	*TN -0.94 mg/l*	*EM*	*No*
		Phosphorus	*TP- ND mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 14500 *CFU/100ml*	*EML*	*No*
Monroe	*10-19-11*	*Nitrogen*	*TN -1.36 mg/l*	*EML*	*No*
		Phosphorus	*TP- NDmg/l*	*EML*	*No*
		Bacteria	*- E. coli* 5600 *CFU/100ml*	*EML*	*No*
Linden	*10-19-11*	*Nitrogen*	*TN -1.02 mg/l*	*EML*	*No*
		Phosphorus	*TP- NDmg/*	*EML*	*No*
		Bacteria	*E. coli* 76 *CFU/100ml*	*EML*	*No*
Ryders	*10-19-11*	*Nitrogen*	*TN -2.14 mg/*	*EML*	*No*
		Phosphorus	*TP- NDmg*	*EML*	*No*
		Bacteria	*E. coli* 250 *CFU/100ml*	*EML*	*No*
Garfield	*10-19-11*	*Nitrogen*	*TN -2.12 mg/*	*EML*	*No*
		Phosphorus	*TP- NDmg*	*EML*	*No*
		Bacteria	*E. coli* 566 *CFU/100ml*	*EML*	*No*
Sunset	*10-19-11*	*Nitrogen*	*TN -0.64 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.17mg*	*EML*	*No*
		Bacteria	*E. coli* 12 *CFU/100ml*	*EML*	*No*
Park/Maple	*4-27-12*	*Nitrogen*	*TN -1.38 mg/l*	*EM*	*No*
		Phosphorus	*TP- 0.16mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 3400 *CFU/100ml*	*EML*	*No*
Monroe	*4-27-12*	*Nitrogen*	*TN -1.2 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.52mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 1600	*EML*	*No*

			CFU/100ml		
Linden	*4-27-12*	*Nitrogen*	*TN 0.94 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.11mg/*	*EML*	*No*
		Bacteria	*E. coli* 88 *CFU/100ml*	*EML*	*No*
Ryders	*4-27-12*	*Nitrogen*	*TN -1.74 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.28mg*	*EML*	*No*
		Bacteria	*E. coli* 160 *CFU/100ml*	*EML*	*No*
Garfield	*4-27-12*	*Nitrogen*	*TN -4.6 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.91mg*	*EML*	*No*
		Bacteria	*E. coli* 8 *CFU/100ml*	*EML*	*No*
Sunset	*4-27-12*	*Nitrogen*	*TN -1.80 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.20mg*	*EML*	*No*
		Bacteria	*E. coli* 460 *CFU/100ml*	*EML*	*No*
Park/Maple	*8-22-13*	*Nitrogen*	*TN -1.90 mg/l*	*EM*	*No*
		Phosphorus	*TP- 0.79mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 1800 *CFU/100ml*	*EML*	*No*
Monroe	*8-22-13*	*Nitrogen*	*TN -5.4 mg/l*	*EML*	*No*
		Phosphorus	*TP- 2.19mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 5200 *CFU/100ml*	*EML*	*No*
Linden	*8-22-13*	*Nitrogen*	*TN 1.72 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.40mg/*	*EML*	*No*
		Bacteria	*E. coli* 240 *CFU/100ml*	*EML*	*No*
Ryders	*8-22-13*	*Nitrogen*	*TN -0.94 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.11mg*	*EML*	*No*
		Bacteria	*E. coli* 900 *CFU/100ml*	*EML*	*No*
Garfield	*8-22-13*	*Nitrogen*	*TN -0.88 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.19mg*	*EML*	*No*
		Bacteria	*E. coli* 1500 *CFU/100ml*	*EML*	*No*
Sunset	*8-22-13*	*Nitrogen*	*TN -1.32 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.16mg*	*EML*	*No*
		Bacteria	*E. coli* 2400 *CFU/100ml*	*EML*	*No*
Park/Maple	*9-20-14*	*Nitrogen*	*TN -0.74 mg/l*	*EM*	*No*

		Phosphorus	*TP- 0.14mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 984 *CFU/100ml*	*EML*	*No*
Monroe	*9-20-14*	*Nitrogen*	*TN -3.6 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.90mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 426 *CFU/100ml*	*EML*	*No*
Linden	*9-20-14*	*Nitrogen*	*TN 3.0 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.20mg/*	*EML*	*No*
		Bacteria	*E. coli* 1412 *CFU/100ml*	*EML*	*No*
Ryders	*9-20-14*	*Nitrogen*	*TN -28.00 mg/*	*EML*	*No*
		Phosphorus	*TP- 7.15mg*	*EML*	*No*
		Bacteria	*E. coli* 720 *CFU/100ml*	*EML*	*No*
Garfield	*9-20-14*	*Nitrogen*	*TN -1.22 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.20mg*	*EML*	*No*
		Bacteria	*E. coli* 1480 *CFU/100ml*	*EML*	*No*
Sunset	*9-20-14*	*Nitrogen*	*TN -1.16 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.26mg*	*EML*	*No*
		Bacteria	*E. coli* 650 *CFU/100ml*	*EML*	*No*
Park/Maple	*7-31-15*	*Nitrogen*	*TN -1.16 mg/l*	*EM*	*No*
		Phosphorus	*TP- 0.20mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 184 *CFU/100ml*	*EML*	*No*
Monroe	*7-31-15*	*Nitrogen*	*TN -1.72 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.32mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 688 *CFU/100ml*	*EML*	*No*
Linden	*7-31-15*	*Nitrogen*	*TN 2.3 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.22mg/*	*EML*	*No*
		Bacteria	*E. coli* 108 *CFU/100ml*	*EML*	*No*
Ryders	*7-31-15*	*Nitrogen*	*TN -0.76 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.15mg*	*EML*	*No*
		Bacteria	*E. coli* 164 *CFU/100ml*	*EML*	*No*
Garfield	*7-31-15*	*Nitrogen*	*TN -0.74 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.13mg*	*EML*	*No*

		Bacteria	*E. coli* 204 *CFU/100ml*	*EML*	*No*
Sunset	*7-31-15*	*Nitrogen*	*TN -0.6 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.14mg*	*EML*	*No*
		Bacteria	*E. coli* 844 *CFU/100ml*	*EML*	*No*
Park/Maple	*9-1-16*	*Nitrogen*	*TN -1.46 mg/l*	*EM*	*No*
		Phosphorus	*TP- 0.55mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 1486 *CFU/100ml*	*EML*	*No*
Monroe	*9-1-16*	*Nitrogen*	*TN -2.2 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.98mg/l*	*EML*	*No*
		Bacteria	*- E. coli* 1733 *CFU/100ml*	*EML*	*No*
Linden	*9-1-16*	*Nitrogen*	*TN 2.0 mg/l*	*EML*	*No*
		Phosphorus	*TP- 0.30mg/*	*EML*	*No*
		Bacteria	*E. coli* 2420 *CFU/100ml*	*EML*	*No*
Ryders	*9-1-16*	*Nitrogen*	*TN -1.58 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.25mg*	*EML*	*No*
		Bacteria	*E. coli* 866 *CFU/100ml*	*EML*	*No*
Garfield	*9-1-16*	*Nitrogen*	*TN -1.42 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.25mg*	*EML*	*No*
		Bacteria	*E. coli* 1011 *CFU/100ml*	*EML*	*No*
Sunset	*9-1-16*	*Nitrogen*	*TN -0.66 mg/*	*EML*	*No*
		Phosphorus	*TP- 0.19mg*	*EML*	*No*
		Bacteria	*E. coli* 2420 *CFU/100ml*	*EML*	*No*

3. Follow-up investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall screening 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. **Prioritized outfalls will be identified in 2021**.

Outfall ID	**Latitude / Longitude**	**Sample date**	**Parameter** (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	**Results**	**Name of Laboratory (if used)**	**Follow-up required? ***
BRB-OF-0003N	*41.189123, -73.154694*	*01/03/2020*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 246 MPN/100ml* - *T Coliform >2,000 CFU/100ml* - *Turbidity of outfall 9.78 NTU* - *Turbidity upstream 4.54 NTU*	*Phoenix*	*Yes*
BRB-OF-0023	*41.189301, -73.155016*	*01/03/2020*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 9,210 MPN/100ml* - *T Coliform >2,000 CFU/100ml* - *Turbidity of outfall 7.40 NTU* - *Turbidity upstream 4.75 NTU*	*Phoenix*	*Yes*
HRN-OF-0094	*41.205494, -73.127768*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.54 mg/l* - *Total Phosphorus 0.050 mg/l*	*Phoenix*	*No*
HRN-OF-0079	*41.20772, -73.127931*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 1.86 mg/l*	*Phoenix*	*No*

				- *Total Phosphorus 0.277 mg/l*		
HRN-OF-0003	*41.207674, -73.127643*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.63 mg/l* - *Total Phosphorus 0.069 mg/l*	*Phoenix*	*No*
HRN-OF-0078	*41.207635, -73.127627*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 1.52 mg/l* - *Total Phosphorus 0.146 mg/l*	*Phoenix*	*No*
HRN-OF-0002	*41.207049, -73.128436*	*04/13/2020*	- *Nitrogen* - *Phosphorus*	- *Total Nitrogen 0.71 mg/l* - *Total Phosphorus 0.094 mg/l*	*Phoenix*	*No*
SWS-OF-0005	*41.150842, -73.121576*	*04/30/2020*	- *Bacteria*	- *Enterococci 620 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0004	*41.151488, -73.120124*	*04/30/2020*	- *Bacteria*	- *Enterococci 4,360 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0003	*41.151488, -73.120124*	*04/30/2020*	- *Bacteria*	- *Enterococci 2,010 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0002	*41.151674, -73.116506*	*04/30/2020*	- *Bacteria*	- *Enterococci 11,200 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0002a	*41.151811, -73.117724*	*04/30/2020*	- *Bacteria*	- *Enterococci 1,350 MPN/100ml*	*Phoenix*	*Yes*
SWS-OF-0001	*41.151266, -73.112567*	*04/30/2020*	- *Bacteria*	- *Enterococci 1,210 MPN/100ml*	*Phoenix*	*Yes*
HRS-OF-0011	*41.182634, -73.128459*	*04/30/2020*	- *Bacteria*	- *Enterococci 19,900 MPN/100ml*	*Phoenix*	*Yes*
LWG-OF-0006	*41.15496, -73.129649*	*04/15/2021*	- *Bacteria* - *Nitrogen* - *Phosphorus*	- *Enterococci 13,000 MPN/100ml* - *Total Nitrogen 1.00 mg/l*	*Phoenix*	*Yes*

				- *Total Phosphorus 0.117 mg/l*		
LWG-OF-0003	*41.152737, -73.132478*	*04/15/2021*	- *Bacteria* - *Nitrogen* - *Phosphorus*	- *Enterococci 2,910 MPN/100ml* - *Total Nitrogen 2.70 mg/l* - *Total Phosphorus 0.205 mg/l*	*Phoenix*	*Yes*
LWG-OF-0002	*41.152137, -73.133487*	*04/15/2021*	- *Bacteria* - *Nitrogen* - *Phosphorus*	- *Enterococci 7,700 MPN/100ml* - *Total Nitrogen 0.54 mg/l* - *Total Phosphorus 0.077 mg/l*	*Phoenix*	*Yes*
LWG-OF-0001 CB	*41.151049, -73.134708*	*04/15/2021*	- *Bacteria* - *Nitrogen* - *Phosphorus*	- *Enterococci 487 MPN/100ml* - *Total Nitrogen 0.58 mg/l* - *Total Phosphorus 0.064 mg/l*	*Phoenix*	*No*
HRS-OF-0002 CB	*41.154632, -73.108169*	*04/15/2021*	- *Bacteria*	- *Enterococci 598 MPN/100ml*	*Phoenix*	*Yes*
HRS-OF-0004 CB	*41.158218, -73.113924*	*04/15/2021*	- *Bacteria*	- *Enterococci 717 MPN/100ml*	*Phoenix*	*Yes*
HRS-OF-0003 CB	*41.156797, -73.111304*	*04/15/2021*	- *Bacteria*	- *Enterococci 650 MPN/100ml*	*Phoenix*	*Yes*
BRB-OF-0002	*41.186517, -73.155131*	*09/22/2022*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 13,000 MPN/100ml* - *Turbidity of outfall 9.4 NTU*	*Phoenix*	*Yes*
BRB-OF-0022	*41.196161, -73.151833*	*09/22/2022*	- *Bacteria* - *Other Pollutant of Concern*	- *E. coli 3,650 MPN/100ml* - *Turbidity of outfall 6.5 NTU*	*Phoenix*	*Yes*
BRB-OF-	*41.198499,*	*09/22/2022*	- *Bacteria*	- *E. coli 9,800*	*Phoenix*	*Yes*

0045	*-73.150419*		*- Other Pollutant of Concern*	*MPN/100ml* *- Turbidity of outfall 9.8 NTU*		
BRB-OF-0050	*41.199403, -73.149175*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 17,300 MPN/100ml* *- Turbidity of outfall 25 NTU*	*Phoenix*	*Yes*
BRB-OF-0051	*41.191845, -73.154375*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 8,160 MPN/100ml* *- Turbidity of outfall 16.5 NTU*	*Phoenix*	*Yes*
BRB-OF-0024	*41.191832, -73.154308*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 17,300 MPN/100ml* *- Turbidity of outfall 14.5 NTU*	*Phoenix*	*Yes*
BRB-OF-0018	*41.200665, -73.149037*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli >24,200 MPN/100ml* *- Turbidity of outfall 10.5 NTU*	*Phoenix*	*Yes*
BRB-OF-0004	*41.202057, -73.148806*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli >24,200 MPN/100ml* *- Turbidity of outfall 5.5 NTU*	*Phoenix*	*Yes*
BRB-OF-0043	*41.20389, -73.147998*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 8,660 MPN/100ml* *- Turbidity of outfall 8.3 NTU*	*Phoenix*	*Yes*
BRB-OF-0016	*41.204185, -73.148108*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 12,000 MPN/100ml* *- Turbidity of outfall 9.5 NTU*	*Phoenix*	*Yes*
BRB-OF-0044	*41.203952, -73.148138*	*09/22/2022*	*- Bacteria* *- Other Pollutant of Concern*	*- E. coli 4,880 MPN/100ml* *- Turbidity of outfall 14 NTU*	*Phoenix*	*Yes*
BRB-OF-0015	*41.217491, -73.141476*	*09/22/2022*	*- Bacteria*	*- E. coli >24,200 MPN/100ml*	*Phoenix*	*Yes*
BRB-OF-0005	*41.2165, -73.141237*	*09/22/2022*	*- Bacteria*	*- E. coli 2,480 MPN/100ml*	*Phoenix*	*Yes*
BRB-OF-0008	*41.216372, -73.141403*	*09/22/2022*	*- Bacteria*	*- E. coli 3,080 MPN/100ml*	*Phoenix*	*Yes*

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)

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
7102-00 **Bruce Brook**	*High Priority*	*1*
6026-03 **Longbrook, Ferry Creek**	*High Priority*	*2*
6026-03 **Cemetery Pond Brook**	*High Priority*	3
6025-00 **Far Mill River**	*Medium Priority*	4
6026-00 **Beaver Dam Lake, Cooks Pond, Peck's Mill Pond, Pumpkin Ground Brook**	*Low Priority*	5
6000-84 **Raven Stream, Motil Pond**	*Low Priority*	6
6000-82 **Freeman Brook Complex**	*Low Priority*	7
6000-00&85 **Housatonic River (Upper and Mouth)**	*High Priority*	
7101-00 **Lewis Gut**	*High Priority*	
Long Island Sound	*High Priority*	

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

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	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
BRB-OF-0043	*4-12-18*					*E. coli 4200 CFU/100ml*				
OLD Spring Rd	8-22-18					*E. coli 2000 CFU/100ml*				
Bruce Brook downstream Connors Lane	8-22-18					*E. coli 2700 CFU/100ml*				

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**
BRB-OF-0048	*41.198916, -73.149848*	*3/19/2019*	*<0.10 mg/l*	*0.01 mg/l*	*285 uS/cm*	*0.2 ppt*	*>2419.6 MPN/100ml*	*<0.05 mg/l*	*8.2 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
BRB-OF-0020	*41.198722, -73.150242*	*3/19/2019*	*<0.10 mg/l*	*Not detected*	*278.6 uS/cm*	*0.2 ppt*	*>2419.6 MPN/100ml*	*<0.05 mg/l*	*5.3 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0050	*41.199403, -73.149175*	*3/19/2019*	*<0.10 mg/l*	*Not detected*	*246.3 uS/cm*	*0.2 ppt*	*>2419.6 MPN/100ml*	*<0.05 mg/l*	*3.4 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0017	*41.20036, -73.149094*	*3/19/2019*	*<0.10 mg/l*	*Not detected*	*570 uS/cm*	*0.4 ppt*	*<1 MPN/100ml*	*<0.05 mg/l*	*7.8 C*	*N/A*	*N/A*

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
BRB-OF-0004	*41.202057, -73.148806*	*3/19/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0018	*41.200665, -73.149037*	*3/19/2019*	*0.35 mg/l*	*Not detected*	*298.7 uS/cm*	*0.2 ppt*	*<1 MPN/100ml*	*0.051 mg/l*	*10.1 C*	*N/A*	*N/A*
BRB-OF-0021	*41.196673, -73.151212*	*3/19/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0045a	*41.198499, -73.150419*	*3/19/2019*	*<0.10 mg/l*	*Not detected*	*276.6 uS/cm*	*0.2 ppt*	*41.0 MPN/100ml*	*<0.05 mg/l*	*10.1 C*	*N/A*	*N/A*
BRB-OF-0049	*41.195746, -73.152021*	*3/19/2019*	*0.31 mg/l*	*0.02 mg/l*	*394.6 uS/cm*	*0.3 ppt*	*154.10 MPN/100ml*	*0.071 mg/l*	*10.7 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0024	*41.191832, -73.154308*	*3/19/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0051	*41.191845, -73.154375*	*3/19/2019*	*3.30 mg/l*	*0.01 mg/l*	*584 uS/cm*	*0.4 ppt*	*>2419.6 MPN/100ml*	*2.60 mg/l*	*11.1 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
BRB-OF-0003S	*41.189123, -73.154694*	*3/19/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
BRB-OF-0023	*41.189301, -73.155016*	*3/19/2019*	*0.82 mg/l*	*0.01 mg/l*	*343.6 uS/cm*	*0.2 ppt*	*>2419.6 MPN/100ml*	*0.25 mg/l*	*11.5 C*	*E. coli*	*Will be ranked at top of high priority category for catchment investigation*
BRB-OF-0010	*41.21246, -73.143626*	*3/19/2019*	*<0.10 mg/l*	*0.01 mg/l*	*160.1 uS/cm*	*0.1 ppt*	*159.7 MPN/100ml*	*0.075 mg/l*	*11.3 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0003N	*41.189123, -73.154694*	*3/19/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
BRB-OF-0005	*41.2165, -73.141237*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0008	*41.216372, -73.141403*	*3/20/2019*	*<0.10 mg/l*	*0.31 mg/l*	*316.5 uS/cm*	*0.2 ppt*	*<1 MPN/100ml*	*<0.05 mg/l*	*7.2 C*	*N/A*	*Raised priority category from low*

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
											to high for potential catchment investigation
BRB-OF-0015	*41.217491, -73.141476*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0006	*41.217409, -73.141185*	*3/20/2019*	*<0.10 mg/l*	*Not detected*	*228.0 uS/cm*	*0.2 ppt*	*1.0 MPN/100ml*	*<0.05 mg/l*	*6.4 C*	*N/A*	*N/A*
BRB-OF-0037	*41.222753, -73.141668*	*3/20/2019*	*<0.10 mg/l*	*Not detected*	*147.1 uS/cm*	*0.1 ppt*	*3.1 MPN/100ml*	*<0.05 mg/l*	*6.81 C*	*N/A*	*N/A*
BRB-OF-0052	*41.222044, -73.141298*	*3/20/2019*	*<0.10 mg/l*	*0.01 mg/l*	*209.0 uS/cm*	*0.1 ppt*	*1.0 MPN/100ml*	*<0.05 mg/l*	*7.6 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0012	*41.223845, -73.142287*	*3/20/2019*	*<0.10 mg/l*	*Not detected*	*236.6 uS/cm*	*0.2 ppt*	*6.3 MPN/100ml*	*<0.05 mg/l*	*5.2 C*	*N/A*	*N/A*
BRB-OF-0040	*41.221812, -73.140701*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0014	*41.220714, -73.1399*	*3/20/2019*	*<0.10 mg/l*	*0.01 mg/l*	*459.0 uS/cm*	*0.3 ppt*	*14.6 MPN/100ml*	*<0.05 mg/l*	*8.9 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0039	*41.219533, -73.140957*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0042	*41.214704, -73.1404*	*3/20/2019*	*<0.10 mg/l*	*Not detected*	*294.8 uS/cm*	*0.2 ppt*	*125.9 MPN/100ml*	*<0.05 mg/l*	*8.6 C*	*N/A*	*N/A*
BRB-OF-0009	*41.213483, -73.141519*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0041	*41.215453, -73.140859*	*3/20/2019*	*<0.10 mg/l*	*0.01 mg/l*	*244.2 uS/cm*	*0.2 ppt*	*5.2 MPN/100ml*	*<0.05 mg/l*	*8.8 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0034	*41.22431, -73.145691*	*3/20/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*

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
BRB-OF-0035	*41.225031, -73.145284*	*3/20/2019*	*<0.10 mg/l*	*0.06 mg/l*	*289.2 uS/cm*	*0.2 ppt*	*11.0 MPN/100ml*	*<0.05 mg/l*	*10.2 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
BRB-OF-0033	*41.227447, -73.147681*	*3/20/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0032	*41.22913, -73.145136*	*3/20/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0031	*41.23056, -73.145645*	*3/20/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0026	*41.175208, -73.154425*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0015CB	*41.217841, -73.14279*	*3/27/2019*	*<0.10 mg/l*	*0.01 mg/l*	*261.1 uS/cm*	*0.2 ppt*	*1553.1 MPN/100ml*	*<0.05 mg/l*	*7.2 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
BRB-OF-0005CB	*41.216597, -73.142587*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0009CB	*41.213184, -73.140551*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0029CB	*41.211456, -73.145933*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0007CB	*41.218634, -73.140555*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0039CB	*41.219462, -73.141038*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0054CB	*41.221273, -73.147142*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0038CB	*41.221987, -73.148726*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0011CB	*41.225392, -73.149463*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0034CB	*41.224397, -73.145534*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
BRB-OF-0036CB	*41.226295, -73.144621*	*3/27/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*

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
BRB-OF-0033CB	*41.227962, -73.147383*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0032MH	*41.228934, -73.144466*	*3/27/2019*	*0.35 mg/l*	*Not detected*	*194.3 uS/cm*	*0.1 ppt*	*5.2 MPN/100ml*	*<0.05 mg/l*	*9.2 C*	*N/A*	*N/A*
BRB-OF-0031CB	*41.230935, -73.145717*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0022CB	*41.196161, -73.151833*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0003SMH	*41.189009, -73.154274*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0016	*41.204185, -73.148108*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0044	*41.203952, -73.148138*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0043CB	*41.20389, -73.147998*	*3/27/2019*	*<0.10 mg/l*	*0.14 mg/l*	*316.4 uS/cm*	*0.2 ppt*	*1119.9 MPN/100ml*	*<0.05 mg/l*	*10.7 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
BRB-OF-0040	*41.221232, -73.141204*	*3/27/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
LWG-OF-0008	*41.155927, -73.128204*	*10/18/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
LWG-OF-0003	*41.152786, -73.132543*	*10/18/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
LWG-OF-0002	*41.15209, -73.133497*	*10/18/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*Enterococcus, Fecal Coliform, Nitrogen &*	*N/A*

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
										Phosphorus	
LWG-OF-0001	*41.15112, -73.134814*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
SWS-OF-0006	*41.148102, -73.127447*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0006MH	*41.148355, -73.127497*	*10/18/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
SWS-OF-0005	*41.150842, -73.121576*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0004	*41.151488, -73.120124*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0003	*41.151852, -73.118643*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0002a	*41.151811, -73.117724*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0002	*41.151674, -73.116506*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
SWS-OF-0001	*41.151266, -73.112567*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*

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
HRS-OF-0002	*41.154853, -73.10775*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0003	*41.156873, -73.110239*	*10/18/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0007	*41.171868, -73.115706*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0023	*41.179457, -73.125549*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0010	*41.179456, -73.125566*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0012	*41.18735, -73.124839*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0024	*41.187341, -73.124836*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0024MH	*41.187347, -73.124909*	*10/25/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRS-OF-0025	*41.188942, -73.125942*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0015	*41.189914, -73.123714*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*

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
HRS-OF-0022	*41.189903, -73.1236*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0018a	*41.192385, -73.120177*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0018	*41.193706, -73.120665*	*10/25/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRN-OF-0094	*41.205494, -73.127768*	*10/25/2019*	-	-	-	-	-	-	-	*E. coli, Nitrogen, & Phosphorus*	*N/A*
HRN-OF-0001	*41.20446, -73.127615*	*10/25/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0082	*41.203191, -73.126959*	*10/25/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0083	*41.203185, -73.126995*	*10/25/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0004	*41.203178, -73.126961*	*10/25/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRS-OF-0019	*41.195874, -73.116799*	*11/7/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0019MH	*41.19615, -73.117672*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRS-OF-0026	*41.197018, -73.116343*	*11/7/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*

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
HRN-OF-0002	*41.207049, -73.128436*	*11/7/2019*	*1.81 mg/l*	*0.1 mg/l*	*330.7 uS/cm*	*0.2 ppt*	*>24200 MPN/100ml*	*1.45 mg/l*	*14.8 C*	*E. coli, Nitrogen & Phosphorus*	*Will be ranked at top of high priority category for catchment investigation*
HRN-OF-0080	*41.207354, -73.12771*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0003MH	*41.207916, -73.127467*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0078CB	*41.208435, -73.127439*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0003	*41.207674, -73.127643*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli, Nitrogen & Phosphorus*	*N/A*
HRN-OF-0078	*41.207635, -73.127627*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli, Nitrogen & Phosphorus*	*N/A*
HRN-OF-0079	*41.20772, -73.127931*	*11/7/2019*	*<0.05 mg/l*	*Not detected*	*285.4 uS/cm*	*0.1 ppt*	*529 MPN/100ml*	*0.12 mg/l*	*12.6 C*	*E. coli, Nitrogen & Phosphorus*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0081	*41.204476, -73.127672*	*11/7/2019*	*<0.05 mg/l*	*Not detected*	*490 uS/cm*	*0.2 ppt*	*231 MPN/100ml*	*<0.05 mg/l*	*14.6 C*	*N/A*	*N/A*
HRN-OF-0005	*41.202341, -73.127585*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0084	*41.202318, -73.12764*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0007	*41.201654, -73.128096*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0006	*41.201985, -73.127823*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0068	*41.207735, -73.115106*	*11/7/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*

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
HRN-OF-0010	*41.208101, -73.115402*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0011	*41.208971, -73.114073*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0012	*41.209818, -73.115775*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0026	*41.210426, -73.116405*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0022	*41.211098, -73.116233*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0077	*41.210418, -73.119241*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0067	*41.210374, -73.119242*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0075	*41.215661, -73.123534*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0014	*41.215667, -73.123504*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0075CB	*41.215792, -73.123576*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0014MH	*41.215979, -73.123416*	*11/7/2019*	*<0.05 mg/l*	*0.1 mg/l*	*397.5 uS/cm*	*0.2 ppt*	*31 MPN/100ml*	*0.06 mg/l*	*11.7 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0074	*41.215663, -73.123635*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0066	*41.215056, -73.123072*	*11/7/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0061	*41.221576, -73.130449*	*11/15/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0083	*41.241173, -73.135221*	*11/15/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0084	*41.24075, -73.136264*	*11/15/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0061MH	*41.221577, -73.130846*	*11/15/2019*	*0.07 mg/l*	*Not detected*	*516 uS/cm*	*0.3 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*12.7 C*	*N/A*	*N/A*

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
PGB-OF-0061	*41.239277, -73.131412*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0024	*41.239191, -73.131518*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0046	*41.236966, -73.13534*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0064	*41.214169, -73.13168*	*11/15/2019*	*<0.05 mg/l*	*Not detected*	*307.8 uS/cm*	*0.1 ppt*	*1420 MPN/100ml*	*<0.05 mg/l*	*10.6 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
PGB-OF-0031	*41.233086, -73.130457*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0065a	*41.21398, -73.131371*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0065b	*41.213833, -73.131386*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0065aMH	*41.214142, -73.130672*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0029	*41.220278, -73.128964*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0051	*41.233061, -73.130461*	*11/15/2019*	*0.11 mg/l*	*Not detected*	*289 uS/cm*	*0.14 ppt*	*663 MPN/100ml*	*<0.05 mg/l*	*11.95 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0013	*41.215573, -73.122981*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0015	*41.213075, -73.122069*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0015CB E	*41.213417, -73.122166*	*11/15/2019*	*<0.05 mg/l*	*Not detected*	*363.7 uS/cm*	*0.2 ppt*	*63 MPN/100ml*	*<0.05 mg/l*	*15.4 C*	*N/A*	*N/A*
HRN-OF-0015CB N	*41.213385, -73.122204*	*11/15/2019*	*0.06 mg/l*	*Not detected*	*376.9 uS/cm*	*0.2 ppt*	*74 MPN/100ml*	*<0.05 mg/l*	*12.8 C*	*N/A*	*N/A*
PGB-OF-0054	*41.234802, -73.124975*	*11/15/2019*	*<0.05 mg/l*	*Not detected*	*709 uS/cm*	*0.35 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*11.22 C*	*N/A*	*N/A*
HRN-OF-0016	*41.213904, -73.11687*	*11/15/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*

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
PGB-OF-0053	*41.234771, -73.124826*	*11/15/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0035	*41.17733, -73.129312*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0031	*41.177332, -73.12931*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0015	*41.170081, -73.133537*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0015MH	*41.170238, -73.13368*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0033	*41.163526, -73.153164*	*12/6/2019*	-	-	-	-	-	-	-	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
LWG-OF-0034	*41.163544, -73.153166*	*12/6/2019*	-	-	-	-	-	-	-	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
LWG-OF-0020	*41.163524, -73.153159*	*12/6/2019*	*1.76 mg/l*	*Not detected*	*5252 uS/cm*	*2.8 ppt*	*Enterococci: 10 MPN/100ml*	*0.09 mg/l*	*10 C*	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*Will be ranked at top of high priority category for catchment investigation*
LWG-OF-0033MH	*41.163647, -73.153298*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
SWS-OF-0009	*41.167865, -73.157264*	*12/6/2019*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
LWG-OF-0037	*41.185856, -73.144605*	*12/6/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*

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
FMR-OF-0015	*41.259144, -73.136355*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0014	*41.258903, -73.136912*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0016	*41.257749, -73.135367*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0017	*41.256892, -73.134625*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0003	*41.262866, -73.124597*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0002	*41.262013, -73.108463*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0002CB	*41.261249, -73.108117*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0008	*41.259815, -73.105234*	*12/6/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
FMR-OF-0007	*41.252943, -73.103231*	*12/6/2019*	*<0.05 mg/l*	*0.1 mg/l*	*350.7 uS/cm*	*0.2 ppt*	*31 MPN/100ml*	*<0.05 mg/l*	*9.9 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
LWG-OF-0023	*41.182264, -73.14413*	*12/16/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
LWG-OF-0021	*41.187616, -73.14075*	*12/16/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
LWG-OF-0030	*41.188041, -73.139414*	*12/16/2019*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0088	*41.194488, -73.135961*	*12/16/2019*	*0.07 mg/l*	*Not detected*	*284.8 uS/cm*	*0.2 ppt*	*420 MPN/100ml*	*0.08 mg/l*	*8.7 C*	*N/A*	*N/A*
HRN-OF-0087	*41.194094, -73.135899*	*12/16/2019*	*0.08 mg/l*	*Not detected*	*819 uS/cm*	*0.4 ppt*	*1860 MPN/100ml*	*<0.05 mg/l*	*8.8 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0085	*41.195605, -73.13963*	*12/16/2019*	*0.10 mg/l*	*0.1 mg/l*	*370.5 uS/cm*	*0.2 ppt*	*959 MPN/100ml*	*<0.05 mg/l*	*9.9 C*	*N/A*	*Will be ranked at top of high priority category for catchment*

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
											investigation
HRN-OF-0023	*41.210763, -73.116803*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0025	*41.211239, -73.120191*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0017	*41.215888, -73.116825*	*12/16/2019*	*<0.05 mg/l*	*Not detected*	*273.9 uS/cm*	*0.2 ppt*	*Enterococci: 20 MPN/100ml*	*<0.05 mg/l*	*12 C*	*N/A*	*N/A*
HRN-OF-0020CB	*41.218383, -73.116823*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0020	*41.218217, -73.117147*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0001	*41.223955, -73.118443*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0002	*41.224798, -73.116032*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0082	*41.224837, -73.116768*	*12/16/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0030	*41.237021, -73.109569*	*12/16/2019*	*<0.05 mg/l*	*0.7 mg/l*	*396.4 uS/cm*	*0.2 ppt*	*30 MPN/100ml*	*0.10 mg/l*	*9.2 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0031	*41.242143, -73.100204*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0095	*41.239777, -73.107108*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0042	*41.238627, -73.114666*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0052	*41.236033, -73.127389*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0052CB	*41.23574, -73.127367*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0008	*41.225687, -73.123025*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0004	*41.228598, -73.123283*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*

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
PGB-OF-0006	*41.22941, -73.124256*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0073	*41.231857, -73.114951*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0009CB	*41.231151, -73.117193*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0056	*41.232931, -73.114792*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0060	*41.23073, -73.120054*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0060CB	*41.230501, -73.119985*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0058	*41.234085, -73.11592*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0057	*41.234066, -73.115612*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0080	*41.25873, -73.124739*	*12/19/2019*	-	-	-	-	-	-	-	*E. coli*	*N/A*
PGB-OF-0079	*41.259282, -73.120951*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0078CB	*41.260531, -73.122754*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0078	*41.260524, -73.122769*	*12/19/2019*	-	-	-	-	-	-	-	*E. coli*	*N/A*
HRN-OF-0089	*41.24436, -73.115608*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0089CB	*41.244327, -73.115601*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0085	*41.240489, -73.137281*	*12/19/2019*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0041	*41.262843, -73.115359*	*01/02/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0041CB	*41.262617, -73.11508*	*01/02/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0013	*41.263194, -73.114505*	*01/02/2020*	*<0.05 mg/l*	*0.3 mg/l*	*275.3 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*8.8 C*	*N/A*	*Raised priority category from low to high for potential catchment*

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
											investigation
HRN-OF-0069	*41.257126, -73.113657*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0069CB	*41.257354, -73.112886*	*01/02/2020*	*<0.05 mg/l*	*0.9 mg/l*	*97.9 uS/cm*	*0.0 ppt*	*<10 MPN/100ml*	*0.05 mg/l*	*9.6 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
PGB-OF-0071a	*41.252371, -73.11974*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0071b	*41.252426, -73.119854*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0075	*41.249067, -73.122682*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
PGB-OF-0026	*41.246504, -73.125629*	*01/02/2020*	*<0.05 mg/l*	*0.7 mg/l*	*328.7 uS/cm*	*0.2 ppt*	*279 MPN/100ml*	*<0.05 mg/l*	*7.4 C*	*E. coli*	*Raised priority category from low to high for potential catchment investigation*
PGB-OF-0022	*41.244824, -73.126693*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
PGB-OF-0069	*41.24231, -73.12706*	*01/02/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
PGB-OF-0070	*41.241185, -73.127504*	*01/02/2020*	*0.41 mg/l*	*0.6 mg/l*	*282.5 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*0.06 mg/l*	*7.3 C*	*E. coli*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0070	*41.236828, -73.107439*	*01/02/2020*	*<0.05 mg/l*	*0.0 mg/l*	*401.6 uS/cm*	*0.2 ppt*	*20 MPN/100ml*	*<0.05 mg/l*	*6.6 C*	*N/A*	*N/A*
PGB-OF-0010	*41.232548, -73.115521*	*01/02/2020*	*0.10 mg/l*	*0.1 mg/l*	*250.6 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*6.7 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*

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
PGB-OF-0011	*41.233379, -73.114304*	*01/02/2020*	*0.09 mg/l*	*0.1 mg/l*	*321.8 uS/cm*	*0.2 ppt*	*909 MPN/100ml*	*0.12 mg/l*	*9.3 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
YMC-OF-0005	*41.218722, -73.1616*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0021	*41.21761, -73.158939*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0020	*41.219791, -73.161051*	*01/09/2020*	*0.12 mg/l*	*0.0 mg/l*	*263.8 uS/cm*	*0.1 ppt*	*158 MPN/100ml*	*<0.05 mg/l*	*4.2 C*	*N/A*	*N/A*
YMC-OF-0004	*41.220488, -73.160029*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0019	*41.221416, -73.159961*	*01/09/2020*	*0.18 mg/l*	*0.0 mg/l*	*305.2 uS/cm*	*0.1ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*6.5 C*	*N/A*	*N/A*
YMC-OF-0015	*41.222041, -73.159639*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0012	*41.223208, -73.158017*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0014	*41.222999, -73.158343*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0001a	*41.224463, -73.157426*	*01/09/2020*	*0.08 mg/l*	*0.0 mg/l*	*379.2 uS/cm*	*0.2 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*8.3 C*	*N/A*	*N/A*
YMC-OF-0010	*41.23014, -73.154474*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0017	*41.226544, -73.157441*	*01/09/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0017CBN	*41.22696, -73.157059*	*01/09/2020*	*0.11 mg/l*	*0.1 mg/l*	*462 uS/cm*	*0.2 ppt*	*<10 MPN/100ml*	*0.10 mg/l*	*8.6 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
YMC-OF-0017CBE	*41.226895, -73.157197*	*01/09/2020*	*0.33 mg/l*	*0.0 mg/l*	*315.3 uS/cm*	*0.2 ppt*	*<10 MPN/100ml*	*0.07 mg/l*	*8.0 C*	*N/A*	*N/A*
YMC-OF-0018	*41.226281, -73.156975*	*01/09/2020*	*0.11 mg/l*	*0.0 mg/l*	*766 uS/cm*	*0.4 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*9.4 C*	*N/A*	*N/A*
YMC-OF-0002	*41.22476, -73.156918*	*01/09/2020*	*0.09 mg/l*	*0.0 mg/l*	*325.3 uS/cm*	*0.2 ppt*	*<10 MPN/100ml*	*<0.05 mg/l*	*6.3 C*	*N/A*	*N/A*

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
PGB-OF-0021	*41.248682, -73.138222*	*01/09/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0005	*41.225579, -73.123133*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0034	*41.230922, -73.127007*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0027	*41.239506, -73.137608*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0076	*41.242253, -73.132887*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0068	*41.243438, -73.133345*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0066	*41.242058, -73.129407*	*01/10/2020*	-	-	-	-	-	-	-	*E. coli*	*N/A*
PGB-OF-0045	*41.232982, -73.146124*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0062	*41.243522, -73.143252*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0063	*41.243645, -73.143189*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0036	*41.252858, -73.145135*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0019	*41.247716, -73.135359*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0057	*41.233234, -73.139326*	*01/10/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0057CB	*41.233234, -73.139326*	*01/10/2020*	*0.13 mg/l*	*0.0 mg/l*	*383.5 uS/cm*	*0.2 ppt*	*10 MPN/100ml*	*0.06 mg/l*	*7.2 C*	*N/A*	*N/A*
LWG-OF-0010	*41.158379, -73.123085*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0010CB	*41.157872, -73.122628*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRS-HW-0004CB	*41.156646, -73.110923*	*01/23/2020*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0004CB	*41.158031, -73.113965*	*01/23/2020*	-	-	-	-	-	-	-	*Enterococcus & Fecal*	*N/A*

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
										Coliform	
HRS-OF-0008CB	*41.178506, -73.125707*	*01/23/2020*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0009MH	*41.17832, -73.125694*	*01/23/2020*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRS-OF-0017MH	*41.190827, -73.121929*	*01/23/2020*	-	-	-	-	-	-	-	*Enterococcus & Fecal Coliform*	*N/A*
HRN-OF-0086	*41.196365, -73.136199*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0086MH	*41.196428, -73.136195*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0063MH	*41.248433, -73.103402*	*01/23/2020*	*<0.05 mg/l*	*0.0 mg/l*	*421.6 uS/cm*	*0.2 ppt*	*31 MPN/100ml*	*<0.05 mg/l*	*6.9 C*	*N/A*	*N/A*
PGB-OF-0064	*41.250723, -73.145198*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0064CB	*41.250793, -73.145324*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0086	*41.255264, -73.134088*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0035	*41.23378, -73.146372*	*01/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0035CB	*41.233776, -73.146373*	*01/23/2020*	*0.25 mg/l*	*0.0 mg/l*	*298.1 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*0.05 mg/l*	*6.5 C*	*N/A*	*N/A*
LWG-OF-0006	*41.154967, -73.129615*	*01/30/2020*	-	-	-	-	-	-	-	*Enterococcus, Fecal Coliform, Nitrogen & Phosphorus*	*N/A*
SWS-OF-0007MH	*41.148514, -73.134127*	*01/30/2020*	*<0.25 mg/l*	*0.0 mg/l*	*32972 uS/cm*	*19.8 ppt*	*41 MPN/100ml*	*0.22 mg/l*	*2.3 C*	*Enterococcus & Fecal*	*N/A*

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
										Coliform	
BRB-OF-0002	*41.186591, -73.155189*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0002CB	*41.186497, -73.154903*	*01/30/2020*	*0.96 mg/l*	*0.15 mg/l*	*377.6 uS/cm*	*0.2 ppt*	*9210 MPN/100ml*	*0.72 mg/l*	*5 C*	*N/A*	*Will be ranked at top of high priority category for catchment investigation*
HRN-OF-0086CBW	*41.19704, -73.135553*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0086CBE	*41.197203, -73.135323*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0027	*41.221005, -73.115051*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0019	*41.217399, -73.116739*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0059	*41.232998, -73.118632*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0059CBW	*41.233054, -73.118944*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0059CBN	*41.233528, -73.118452*	*01/30/2020*	*0.07 mg/l*	*0.0 mg/l*	*257.1 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*0.08 mg/l*	*9.4 C*	*N/A*	*N/A*
PGB-OF-0059CBNW	*41.233497, -73.118432*	*01/30/2020*	*<0.05 mg/l*	*0.11 mg/l*	*72.2 uS/cm*	*0.0 ppt*	*<10 MPN/100ml*	*0.09 mg/l*	*7.1 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*
HRN-OF-0060	*41.221575, -73.130469*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0016	*41.221952, -73.159603*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0016CB	*41.22189, -73.158903*	*01/30/2020*	*0.10 mg/l*	*0.01 mg/l*	*312.7 uS/cm*	*0.1 ppt*	*<10 MPN/100ml*	*0.09 mg/l*	*7.7 C*	*N/A*	*Raised priority category from low to high for potential catchment investigation*

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
BRB-OF-0036	*41.225537, -73.145153*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0036CB	*41.226269, -73.144772*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0025	*41.247475, -73.138528*	*01/30/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0025CB	*41.247686, -73.138067*	*01/30/2020*	*0.05 mg/l*	*0.0 mg/l*	*327.5 uS/cm*	*0.2 ppt*	*<10 MPN/100ml*	*0.06 mg/l*	*6.3 C*	*N/A*	*N/A*
FMR-OF-0013CB	*41.257438, -73.128967*	*10/01/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0012CB	*41.26255, -73.119298*	*10/01/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
HRN-OF-0056CB	*41.246597, -73.118419*	*10/01/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0067CB	*41.243941, -73.130987*	*10/01/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*E. coli*	*N/A*
PGB-OF-0028MH1	*41.237228, -73.127885*	*10/07/2020*	*0.07 mg/l*	*0.0 mg/l*	*0.276 uS/cm*	*0.1 ppt*	*100 MPN/100ml*	*<0.05 mg/l*	*19.8 C*	*N/A*	*N/A*
PGB-OF-0048	*41.236428, -73.142065*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0024	*41.239075, -73.131597*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0044CBN	*41.236016, -73.116331*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0065	*41.234575, -73.12898*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0032CBW	*41.232814, -73.125894*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
PGB-OF-0033CBE	*41.232234, -73.12227*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
BRB-OF-0036CBN	*41.226255, -73.14489*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0022CBE	*41.225046, -73.154757*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0003CBE	*41.225668, -73.156364*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*
YMC-OF-0001CBN	*41.224995, -73.157557*	*10/21/2020*	*-*	*-*	*-*	*-*	*-*	*-*	*-*	*N/A*	*N/A*

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
YMC-OF-0011CBW	*41.224209, -73.157837*	*10/21/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
YMC-OF-0008CBN	*41.21433, -73.156423*	*10/21/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
YMC-OF-0007CBN	*41.214936, -73.156977*	*10/21/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0028CBW	*41.225175, -73.131581*	*10/21/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0060CBN	*41.221836, -73.131013*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0062CBN	*41.216793, -73.131693*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0071	*41.21821, -73.125477*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0024CBW	*41.211273, -73.122053*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0076CBW	*41.213716, -73.117325*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0021CBW	*41.211895, -73.117247*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRN-OF-0009	*41.206933, -73.115873*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
HRS-OF-0011MHW	*41.182634, -73.128459*	*10/23/2020*	-	-	-	-	-	-	-	*Enterococcus, Fecal Coliform*	*N/A*
LWG-OF-0012CBN	*41.173277, -73.12967*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0013CBNW	*41.173312, -73.13135*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0027CBN	*41.1685, -73.139187*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0036MHN	*41.168288, -73.146117*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
LWG-OF-0022CBNW	*41.181915, -73.145238*	*10/23/2020*	-	-	-	-	-	-	-	*N/A*	*N/A*
PGB-OF-0043-MH1	*41.238502, -73.121252*	*06/30/2022*								*N/A*	*N/A*
PGB-OF-0047-MH-1	*41.236431, -73.141774*	*06/30/2022*								*N/A*	*N/A*

*Values highlighted in yellow exceed the permit benchmark level

2.2 Wet weather sample and inspection data

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
LWG-OF-0006	*41.15496, -73.129649*	*04/15/2021*	*0.20 mg/l*	*0.0 mg/l*	*51.5 uS/cm*	*0.2 ppt*	*13,000 MPN/100ml*	*0.11 mg/l*	*10.6°C*	*Enterococcus, Fecal Coliform, Nitrogen, & Phosphorus*
LWG-OF-0003	*41.152737, -73.132478*	*04/15/2021*	*0.30 mg/l*	*0.0 mg/l*	*39.4 uS/cm*	*0.02 ppt*	*2,910 MPN/100ml*	*0.14 mg/l*	*11.7°C*	*Enterococcus, Fecal Coliform, Nitrogen, & Phosphorus*
LWG-OF-0002	*41.152137, -73.133487*	*04/15/2021*	*0.16 mg/l*	*0.0 mg/l*	*17.6 uS/cm*	*0.01 ppt*	*7,700 MPN/100ml*	*0.09 mg/l*	*12.2°C*	*Enterococcus, Fecal Coliform, Nitrogen, & Phosphorus*
LWG-OF-0001-CB	*41.151049, -73.134708*	*04/15/2021*	*0.09 mg/l*	*0.0 mg/l*	*14.6 uS/cm*	*0.01 ppt*	*487 MPN/100ml*	*0.10 mg/l*	*12.5°C*	*Enterococcus, Fecal Coliform, Nitrogen, & Phosphorus*
HRS-OF-0002-CB	*41.154632, -73.108169*	*04/15/2021*	*0.21 mg/l*	*0.0 mg/l*	*12.3 uS/cm*	*0.0 ppt*	*598 MPN/100ml*	*<0.05 mg/l*	*11.8°C*	*Enterococcus & Fecal Coliform*
HRS-OF-0004-CB	*41.158218, -73.113924*	*04/15/2021*	*0.18 mg/l*	*0.0 mg/l*	*39.1 uS/cm*	*0.02 ppt*	*717 MPN/100ml*	*<0.05 mg/l*	*11.2°C*	*Enterococcus & Fecal Coliform*
HRS-OF-0003-CB	*41.156797, -73.111304*	*04/15/2021*	*0.15 mg/l*	*0.0 mg/l*	*17.8 uS/cm*	*0.01 ppt*	*650 MPN/100ml*	*0.06 mg/l*	*11.2°C*	*Enterococcus & Fecal Coliform*
PGB-OF-0085	*41.240383, -73.137358*	*07/01/2021*	*0.73 mg/l*	*0.0 mg/l*	*27 uS/cm*	*0.0 ppt*	*2,010 MPN/100ml*	*0.62 mg/l*	*27.9°C*	*N/A*
PGB-OF-0084	*41.240475, -73.136409*	*07/01/2021*	*0.51 mg/l*	*0.0 mg/l*	*17.3 uS/cm*	*0.0 ppt*	*1,440 MPN/100ml*	*0.28 mg/l*	*27.1°C*	*N/A*
PGB-OF-0083	*41.240765, -73.135626*	*07/01/2021*	*0.94 mg/l*	*0.0 mg/l*	*19.8 uS/cm*	*0.0 ppt*	*8,660 MPN/100ml*	*0.43 mg/l*	*26.9°C*	*N/A*
PGB-OF-0035	*41.233737, -73.146421*	*10/26/2021*	*0.17 mg/l*	*0.0 mg/l*	*37.6 uS/cm*	*0.0 ppt*	*2,100 MPN/100ml*	*0.12 mg/l*	*14.5°C*	*N/A*
PGB-OF-0045	*41.232909,*	*10/26/2021*	*0.07 mg/l*	*0.0 mg/l*	*10.3 uS/cm*	*0.0 ppt*	*324*	*0.20 mg/l*	*14.2°C*	*N/A*

	-73.14612						*MPN/100ml*			
BRB-OF-0031	*41.23059, -73.145116*	*10/26/2021*	*0.09 mg/l*	*0.0 mg/l*	*14.9 uS/cm*	*0.0 ppt*	*6,870 MPN/100ml*	*0.06 mg/l*	*14.7°C*	*N/A*
BRB-OF-0032	*41.229091, -73.14487*	*10/26/2021*	*0.53 mg/l*	*0.0 mg/l*	*23.7 uS/cm*	*0.0 ppt*	*9,210 MPN/100ml*	*0.10 mg/l*	*15.0°C*	*N/A*
BRB-OF-0033	*41.227687, -73.146883*	*10/26/2021*	*0.16 mg/l*	*0.0 mg/l*	*91.0 uS/cm*	*0.1 ppt*	*14,100 MPN/100ml*	*0.11 mg/l*	*15.2°C*	*N/A*
HRN-OF-0057	*41.233504, -73.138419*	*10/26/2021*	*0.12 mg/l*	*0.0 mg/l*	*29.4 uS/cm*	*0.0 ppt*	*5,170 MPN/100ml*	*0.11 mg/l*	*16.2°C*	*N/A*
BRB-OF-0034	*41.224507, -73.145776*	*06/09/2022*	*0.36 mg/l*	*0.0 mg/l*	*20.4 uS/cm*	*0.0 ppt*	*15,500 MPN/100ml*	*<0.05 mg/l*	*20.5°C*	*N/A*
BRB-OF-0035	*41.224803, -73.145594*	*06/09/2022*	*0.56 mg/l*	*0.0 mg/l*	*180.2 uS/cm*	*0.1 ppt*	*17,300 MPN/100ml*	*0.11 mg/l*	*19.5°C*	*N/A*
BRB-OF-0036	*41.225513, -73.145032*	*06/09/2022*	*0.25 mg/l*	*0.0 mg/l*	*180.3 uS/cm*	*0.1 ppt*	*2,760 MPN/100ml*	*<0.05 mg/L*	*19.2°C*	*N/A*

3. **Catchment Investigation data** (Appendix B (A)(7)(e) / page 9)

3.1 System Vulnerability Factor Summary

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
BRB-OF-0043	*Bruce Brook*	*3, 6, 8, 10*

Where SVFs 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 that 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 that poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

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	E. coli or Enterococcus**	Total Nitrogen**	Total Phosphorus**
PGB-0013-MH1-S	*41.263052, -73.113889*	*10/01/2020*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	-	-	-
PGB-0013-MH1-SE	*41.263052, -73.113889*	*10/01/2020*	*n/a*	-	-	-	-	-	-
PGB-0025-MH1-NW	*41.248922, -73.137432*	*10/01/2020*	*n/a*	-	-	-	-	-	-
PGB-0025-MH1-NE	*41.248922, -73.137432*	*10/01/2020*	*n/a*	-	-	-	-	-	-
PGB-0027-MH1-S	*41.238162, -73.137754*	*10/01/2020*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	-	-	-
PGB-0027-MH1-SE	*41.238222, -73.137724*	*10/01/2020*	*n/a*	-	-	-	-	-	-
PGB-0027-MH1-E	*41.238181, -73.137768*	*10/01/2020*	*n/a*	-	-	-	-	-	-
PGB-0027-MH1-NW	*41.238173, -73.137739*	*10/01/2020*	*n/a*	-	-	-	-	-	-
BRB-0023-CB1-SE	*41.189453, -73.154941*	*10/06/2020*	*Urine odor*	-	-	-	-	-	-
BRB-0023-MH1-NE	*41.189483, -73.154931*	*10/06/2020*	*Urine odor*	-	-	-	-	-	-
BRB-0020-CB1-SW	*41.198715, -73.151135*	*10/06/2020*	*n/a*	-	-	-	-	-	-
BRB-0020-CB1-NW	*41.198681, -73.151158*	*10/06/2020*	*n/a*	-	-	-	-	-	-
BRB-0050-	*41.199431, -*	*10/06/2020*	*Detergent*	*0.05 mg/l*	*0.0 mg/l*	*0.48 mg/l*	*836*	-	-

CB1-E	*73.148597*		*odor*				*MPN/100ml*		
BRB-0050-CB1-W	*41.199637, -73.148673*	*10/06/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0017-CB1-NE	*41.200375, -73.148602*	*10/06/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0017-CB1-E	*41.200419, -73.148598*	*10/06/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0078-MH1-SW	*41.208334, -73.127341*	*10/07/2020*	*Floatables*	*3.58 mg/l*	*0.0 mg/l*	*0.28 mg/l*	*>24,200 MPN/100ml*	*7.76 mg/l*	*0.804 mg/l*
HRN-0078-MH1-W	*41.208372, -73.127289*	*10/07/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0003-MH1-NW	*41.208851, -73.126848*	*10/07/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0003-MH1-SE	*41.20886, -73.126858*	*10/07/2020*	*n/a*						
BRB-0043-CB1-N	*41.204006, -73.14819*	*10/07/2020*	*n/a*						
BRB-0043-CB1-W	*41.204063, -73.148184*	*10/07/2020*	*n/a*						
PGB-0028-MH1-SW	*41.237189, -73.128002*	*10/07/2020*	*n/a*						
PGB-0028-MH1-W	*41.237207, -73.127974*	*10/07/2020*	*n/a*	*0.07 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*100 MPN/100ml*		
HRN-0087-MH1-S	*41.194126, -73.135526*	*11/09/2020*	*n/a*						
HRN-0085-MH1-NE	*41.196803, -73.140788*	*11/09/2020*	*n/a*						
HRN-0085-MH1-N	*41.196795, -73.140781*	*11/09/2020*	*n/a*						
HRN-0085-MH1-W	*41.196797, -73.140798*	*11/09/2020*	*n/a*						
HRN-0002-MH1-E	*41.208333, -73.131523*	*11/09/2020*	*n/a*						
HRN-0002-MH1-NW	*41.208374, -73.131548*	*11/09/2020*	*n/a*	*34.5 mg/l*	*0.0 mg/l*	*0.88 mg/*	*>24,200 MPN/100ml*	*41.9 mg/l*	*6.09 mg/l*
HRN-0002-MH1-W	*41.208374, -73.131548*	*11/09/2020*	*n/a*						
HRN-0030-MH1-SW	*41.237398, -73.110691*	*11/09/2020*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*			
HRN-0030-MH1-NW	*41.237408, -73.110653*	*11/09/2020*	*n/a*						
HRN-0030-MH1-NE	*41.237383, -73.110676*	*11/09/2020*	*n/a*						
HRN-0069-CB-	*41.257462, -*	*12/03/2020*	*n/a*						

W	*73.112805*								
HRN-0069-CB-N	*41.257491, -73.11285*	*12/03/2020*	*n/a*						
FMR-0007-CB-SW	*41.252864, -73.10377*	*12/03/2020*	*n/a*						
FMR-0007-CB-NE	*41.252834, -73.103808*	*12/03/2020*	*n/a*						
BRB-0015-MH-N	*41.217185, -73.144245*	*12/11/2020*	*n/a*						
BRB-0015-MH-W	*41.217174, -73.144252*	*12/11/2020*	*n/a*						
BRB-0010-MH-W	*41.213286, -73.143935*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0010-MH-N	*41.213269, -73.14395*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0010-MH-E	*41.213299, -73.143955*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0006-CB-S	*41.217396, -73.140734*	*12/11/2020*	*n/a*	*0.06 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
BRB-0006-CB-SE	*41.21744, -73.140733*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0006-CB-E	*41.217443, -73.140737*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0032-MH-N	*41.228885, -73.144459*	*12/11/2020*	*Orange staining*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0032-MH-SW	*41.228958, -73.144428*	*12/11/2020*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0035-CB1-S	*41.23389, -73.146431*	*01/07/2021*	*Foam, orange staining*	*0.43 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0057-CB-W	*41.233625, -73.140533*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0057-CB-S	*41.233625, -73.140533*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0054-MH-SE	*41.235676, -73.123234*	*01/07/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
PGB-0054-MH-NE	*41.235676, -73.123234*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0070-MH-SW	*41.236856, -73.108486*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0070-MH-NW	*41.236856, -73.108486*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0017-CB1-NE	*41.215714, -73.117114*	*01/07/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0017-	*41.215714,*	*01/07/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*

CB1-W	*-73.117114*								
HRN-0017-CB1-S	*41.215714, -73.117114*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0015-CB-E	*41.213264, -73.122254*	*01/07/2021*	*n/a*	*0.10 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0015-CB-NW	*41.213264, -73.122254*	*01/07/2021*	*n/a*	*0.06 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0063-MH1-SW	*41.219145, -73.127562*	*01/07/2021*	*n/a*	*0.06 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0063-MH1-NW	*41.219145, -73.127562*	*01/07/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0035-MH-SE	*41.224951, -73.146342*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0037-MH-SE	*41.222896, -73.140765*	*02/26/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
BRB-0037-MH-N	*41.222896, -73.140765*	*02/26/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
BRB-0039-MH-N	*41.219815, -73.141531*	*02/26/2021*	*Orange staining, above crossing of sanitary line*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0039-MH-W	*41.219815, -73.141531*	*02/26/2021*	*Orange staining, above crossing of sanitary line*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0041-CB-SE	*41.215451, -73.140266*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0041-MH-NE	*41.215451, -73.140266*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0042-MH-N	*41.21472, -73.136943*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0042-MH-E	*41.21472, -73.136943*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0042-MH-S	*41.21472, -73.136943*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0045-CB-E	*41.197083, -73.149945*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0045-CB-NE	*41.197083, -73.149945*	*02/26/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0040-CB-NW	*41.22123, -73.143419*	*03/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0040-CB-SW	*41.22123, -73.143419*	*03/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0038-CB-	*41.221935,*	*03/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*

W	*-73.148683*								
BRB-0038-CB-N	*41.221935, -73.148683*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0038-CB-S	*41.221935, -73.148683*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0005-CB-N	*41.216672, -73.142551*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0005-CB-NW	*41.216672, -73.142551*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0049-CB-W	*41.195676, -73.153509*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0049-CB-NE	*41.195676, -73.153509*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0003-MH-SE	*41.189093, -73.150037*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0003-MH-N	*41.189093, -73.150037*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0003-MH-NW	*41.189093, -73.150037*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0003-MH-NE	*41.189093, -73.150037*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0026-CB-SW	*41.174435, -73.154828*	*03/05/2021*	*n/a*	-	-	-	-	-	-
BRB-0026-CB-SE	*41.174435, -73.154828*	*03/05/2021*	*n/a*	-	-	-	-	-	-
HRS-0004-MH-SW	*41.158285, -73.113976*	*03/15/2021*	*n/a*	-	-	-	-	-	-
HRS-0004-MH-NW	*41.158285, -73.113976*	*03/15/2021*	*n/a*	-	-	-	-	-	-
HRS-0004-MH-N	*41.158285, -73.113976*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0003-MH-N	*41.153206, -73.119496*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0003-MH-NE	*41.153206, -73.119496*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0003-MH-E	*41.153206, -73.119496*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0005-CB-SW	*41.151134, -73.121745*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0005-CB-N	*41.151134, -73.121745*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0008-MH-W	*41.152063, -73.12579*	*03/15/2021*	*n/a*	-	-	-	-	-	-
SWS-0008-	*41.152063,*	*03/15/2021*	*n/a*	-	-	-	-	-	-

MH-E	*-73.12579*								
SWS-0006-MH-NE	*41.148733, -73.127217*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
SWS-0006-MH-NW	*41.148733, -73.127217*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
SWS-0007-CB-SE	*41.148804, -73.134005*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
SWS-0007-CB-NE	*41.148804, -73.134005*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-0006-MH-SE	*41.153802, -73.129462*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-0006-MH-S	*41.153802, -73.129462*	*03/15/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0020-NE	*41.219336, -73.160469*	*04/05/2021*	*n/a*	*0.08 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
YMC-0020-S	*41.219336, -73.160469*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0016-CB-E	*41.221952, -73.156773*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0016-CB-S	*41.221952, -73.156773*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0016-CB-N	*41.221952, -73.156773*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0015-MH-N	*41.222123, -73.16006*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
YMC-0015-MH-NW	*41.222123, -73.16006*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0011-CB-W	*41.224505, -73.150199*	*04/05/2021*	*n/a*	*0.09 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
BRB-0011-CB-N	*41.224505, -73.150199*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0031-CB-NE	*41.23159, -73.145406*	*04/05/2021*	*n/a*	*0.07 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
BRB-0031-CB-N	*41.23159, -73.145406*	*04/05/2021*	*Orange staining*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0031-CB-NW	*41.23159, -73.145406*	*04/05/2021*	*Orange staining*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0031-CB-SE	*41.23159, -73.145406*	*04/05/2021*	*-*	*-*	*-*	*-*	*-*	*-*	*-*
FMR-0008-CB-NW	*41.259787, -73.105245*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
FMR-0008-CB-SW	*41.259787, -73.105245*	*04/05/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0028-CB-	*41.237081,*	*04/23/2021*	*n/a*	*0.06 mg/l*	*0.0 mg/l*	*0.08 mg/l*	*-*	*-*	*-*

W	*-73.12917*								
PGB-0028-CB-S	*41.237081, -73.12917*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0031-CB-W	*41.234537, -73.132503*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0031-CB-NE	*41.234537, -73.132503*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0006-MH-W	*41.229151, -73.125787*	*04/23/2021*	*n/a*	*<0.05 mg/l*	*0.0 mg/l*	*0.07 mg/l*	*-*	*-*	*-*
PGB-0006-MH-N	*41.229151, -73.125787*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0005-MH-SW	*41.226458, -73.125088*	*04/23/2021*	*n/a*	*0.19 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
PGB-0005-MH-W	*41.226458, -73.125088*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0061-CB-N	*41.221269, -73.134628*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0061-CB-W	*41.221269, -73.134628*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0060-CB-NE	*41.222637, -73.131616*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0060-CB-W	*41.222637, -73.131616*	*04/23/2021*	*n/a*	*0.23 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0065-MH-SE	*41.214927, -73.130319*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0065-MH-NW	*41.214927, -73.130319*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0019-CB-NW	*41.218948, -73.120006*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0019-CB-W	*41.218948, -73.120006*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0010-MH-W	*41.208041, -73.116789*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0010-MH-SW	*41.208041, -73.116789*	*04/23/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0048-MH-W	*41.236238, -73.142091*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0048-MH-E	*41.236238, -73.142091*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0046-CB-N	*41.236975, -73.135192*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0046-CB-E	*41.236975, -73.135192*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
PGB-0046-CB-	*41.236975,*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*

S	*-73.135192*								
BRB-0033-CB-E	*41.228303, -73.147459*	*05/11/2021*	*n/a*	*0.11 mg/l*	*0.0 mg/l*	*<0.05mg/l*	*-*	*-*	*-*
BRB-0033-CB-N	*41.228303, -73.147459*	*05/11/2021*	*Slight sanitary odor thus, sampled for bacteria*	*0.06 mg/l*	*0.0 mg/l*	*<0.05mg/l*	*201 MPN/100ml*	*-*	*-*
BRB-0033-CB-S	*41.228303, -73.147459*	*05/11/2021*	*Slight sulfur odor*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0054-CB-E	*41.221314, -73.147181*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0054-CB-S	*41.221314, -73.147181*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0016-CB-N	*41.205802, -73.149247*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
BRB-0016-CB-W	*41.205802, -73.149247*	*05/11/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-OF-0024-W	*41.181008, -73.147844*	*05/17/2021*	*Floatables*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-OF-0024-N	*41.181008, -73.147844*	*05/17/2021*	*Floatables*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-OF-0021-MH-N	*41.188856, -73.14187*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-OF-0021-MH-W	*41.188856, -73.14187*	*05/17/2021*	*n/a*	*0.20 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
LWG-OF-0021-MH-E	*41.188856, -73.14187*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
LWG-OF-0026-MH-E	*41.173953, -73.144987*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRS-OF-0019-MH-N	*41.196192, -73.117743*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRS-OF-0019-MH-W	*41.196192, -73.117743*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRS-OF-0019-MH-S	*41.196192, -73.117743*	*05/17/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0053-CB-NW	*41.249053, -73.104709*	*06/01/2021*	*n/a*	*0.16 mg/l*	*0.0 mg/l*	*0.27 mg/l*	*-*	*-*	*-*
HRN-0053-CB-N-U	*41.249053, -73.104709*	*06/01/2021*	*n/a*	*0.05 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0053-CB-N-L	*41.249053, -73.104709*	*06/01/2021*	*n/a*	*0.13 mg/l*	*0.0 mg/l*	*<0.05 mg/l*	*-*	*-*	*-*
HRN-0062-CB-E	*41.216884, -73.13171*	*06/01/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*
HRN-0062-CB-	*41.216884,*	*06/01/2021*	*n/a*	*-*	*-*	*-*	*-*	*-*	*-*

N	*-73.13171*								
HRN-0065-MH-E	*41.214965, -73.130308*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0065-MH-NW	*41.214965, -73.130308*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0067-CB-N	*41.209699, -73.122213*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0067-CB-W	*41.209699, -73.122213*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0009-CB-S	*41.205701, -73.117945*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0009-CB-W	*41.205701, -73.117945*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0082-MH-N	*41.202346, -73.125139*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0082-MH-W	*41.202346, -73.125139*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRN-0007-CB-NW	*41.201294, -73.128422*	*06/01/2021*	*Orange staining*	-	-	-	-	-	-
HRN-0007-CB-W	*41.201294, -73.128422*	*06/01/2021*	*n/a*	-	-	-	-	-	-
HRS-0014-MH-W	*41.190248, -73.12499*	*06/22/2021*	*n/a*	-	-	-	-	-	-
HRS-0014-MH-NW	*41.190248, -73.12499*	*06/22/2021*	*n/a*	-	-	-	-	-	-

* Values highlighted in yellow exceed the benchmark/permit limit

** Additional parameter sampled for when dry weather sample results from downstream outfall exceeded the permit benchmark for that parameter

3.3 Wet weather investigation outfall sampling data: *(Following IDDE investigation and removal) No Post removal sampling conducted 2022*

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed
BRB-OF-0037	*CB*	*E. coli 280 CFU/100ml*	*sampling*	8-22-18		*No follow up needed.*	
OLD Spring Rd	stream	*Elevated E-Coli concentrations 2000*	*sampling*	8-22-18		The town is continuing monitoring until source is identified	
Bruce Brook upstream Connors Lane	stream	*Elevated E-Coli concentrations 1600*	*sampling*	8-22-18		The town is continuing monitoring until source is identified	
Bruce Brook Bunnell Ave	stream	*E. coli 900 CFU/100ml*	*sampling*	8-22-18		*No follow up needed*	
BRB-OF-0016	CB	Dry CB	*sampling*	8-22-18		*No follow up needed*	
BRB-OF-0040	CB	Stagnant CB sump	*sampling*	8-22-18		*No follow up needed*	
Huntington Rd/Park St	Storm MH	*All parameters*	*sampling*	11-18-20	4-2021	*Follow up investigation discovered house connection to storm line, which was rerouted to sanitary line*	150 gpd
Short Beach Rd	CB	*Milky white observation*	*inspection*	4-2021	4-2021	*It was determined that a contractor was rinsing paint brushes into storm sewer. This has been stopped.*	Single event 10 gallons

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: Laura R. Hoydick	Print name: John R. Casey, P.E.
Signature / Date: Laura R Hoydick / 3/30/2023	Signature / Date: John R Casey 3-28-2023

Zoning Dept - Erosion & Sediment Controls Inspection Log 2022

Date	Hse #	Street	Development Description	Comments	By:	Status
			2022			
5/5/2022	675	Oak Bluff	New single family	silt fence & tracking pad. Erosion controls look good no issues	DB	Closed
5/25/2022	464	Park Blvd	New single family on existing foundation	silt fence & tracking pad	DB	Ongoing
6/10/2022	6550	Main St	New Commercial Development	site cleared, silt fence, tracking pad and haybale bogs & siltsacks installed as per appoved plan	DB	ongoing
6/23/2022	211	Ferry Blvd	New 39 unit Residential apartment building	site cleared, silt fence and haybale bogs installed as per appoved plan	DB	ongoing
8/23/2022	6900	Main St	Sikorsky - Land Fill Cap	site cleared & stabalized, silt fence, matting, tracking pad & haybale bogs installed as per appoved plan	DB	ongoing
9/6/2022	975	Lordship Blvd	New Commercial Warehouse	site stable/ tracking pad and erosion controls look good no issues	DB	Ongoing
10/23/2022	6900	Main St	Sikorsky - Whirl Stand Project	site cleared & stabalized, silt fence and haybale bogs installed, matting, stone swale with check dam & tracking pad as per appoved plan	DB	ongoing

rev March 12, 2019

NOTICE TO DEVELOPERS AND CONTRACTORS

As per stormwater permit regulations from the Connecticut Department of Energy and Environmental Protection (DEEP), the Town of Stratford gives notice to developers, contractors, and others involved in construction activities to comply with the various requirements associated with the provisions of the stormwater discharge general permit, commonly known as the MS4 permit. The *new MS4 Stormwater General Permit* took effect July 1, 2017. Developers and Contractors shall educate themselves on the new permit requirements. The Town's Stormwater Management Plan can be found at http://www.townofstratford.com/stormwater.

A.) As of March 10, 2003 in order to discharge stormwater from a construction site, all construction projects that disturb 1 acre or more of land must have either:

- an individual stormwater permit from the DEEP, if the development disturbs more than 5 acres, or
- coverage under one of Connecticut's general permits (ie the Town of Stratford permit).

Disturbance includes, but is not limited to soil disturbance, clearing, grading, and excavation. Operators of sites disturbing less than one acre are also required to obtain a permit if their activity is part of a "larger common plan of development or sale" with a planned disturbance of one acre or greater. In addition, a development of any size is still required to meet the Town's Directly Connected Impervious Area (DCIA) reduction and Low Impact Development (LID) requirements.

For sites greater than 5 acres, a DEEP individual stormwater permit application form can be obtained from http://www.dep.state.ct.us. For site disturbances less than 5 acres, the Town's acceptance of an erosion and sedimentation control plan, a plan submitted with an Inland Wetland permit, or other thoroughly reviewed plan, each designed in accordance with the 2004 CT Stormwater Manual, will negate the need for an individual state permit. The applicant, however, is still required to conform with the requirements of the Town's general permit.

B.) Discharges of stormwater from a property may be required to flow through a system designed to retain on-site, 1" (one inch) of rainfall from Impervious surfaces.

C.) Construction must conform to the regulations recommended or developed as part of the Town's Stormwater Management Plan or other Town regulations regarding construction and stormwater discharge as may be amended from time to time. These regulations include but are not limited to the following:

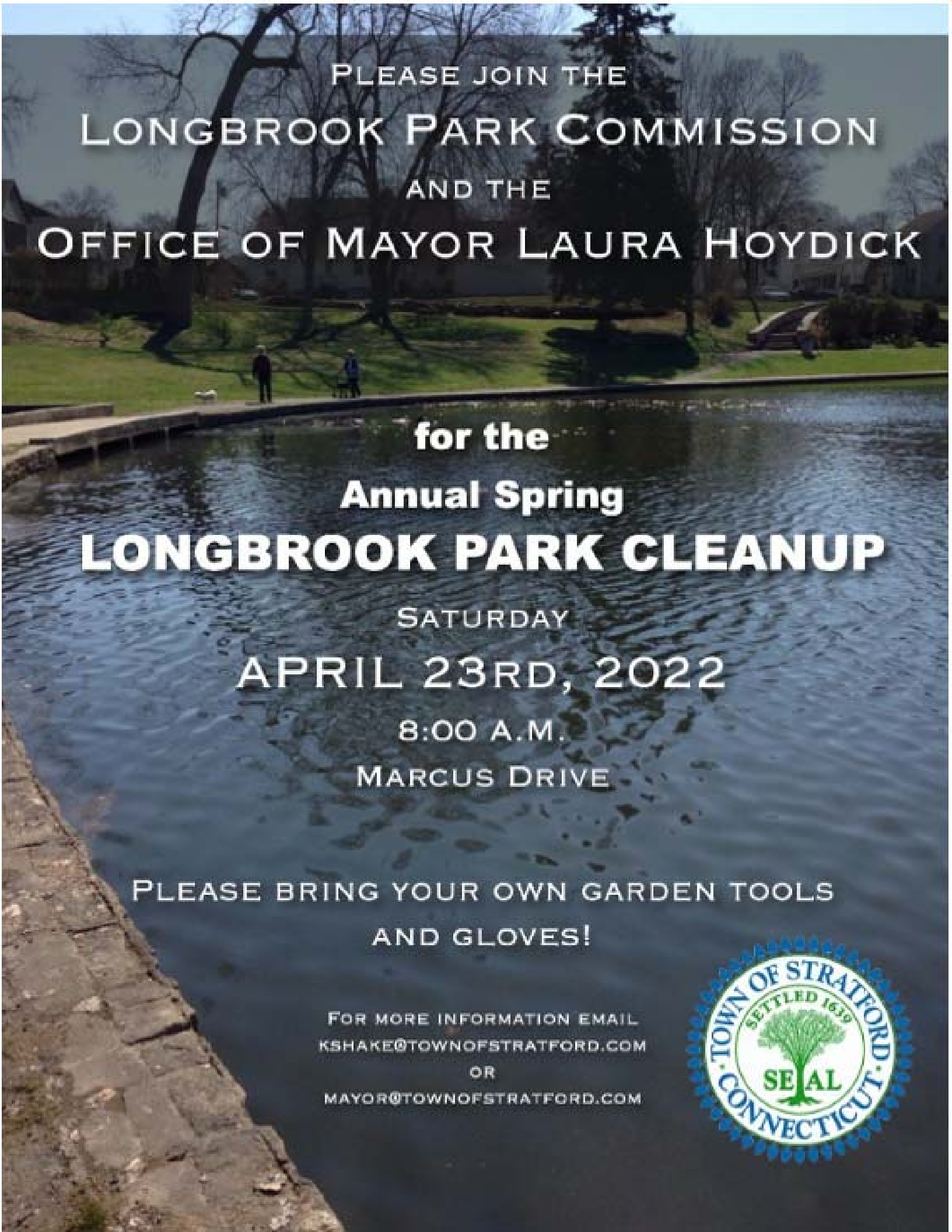
- Soil and Erosion Control regulations: contact Zoning Office at 385-4017
- Inland Wetland regulations: contact I-W Office at 385-4006
- any other stormwater related ordinances or regulations as they may be amended.

OTHER REQUIREMENTS

-Stormwater discharges shall not contain visible floating scum, oil, or other matter (except for naturally occurring substances such as leaves and twigs, provided that no person has placed such substances in or near the discharge). Stormwater discharge shall not result in pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

-Directly Connected Impervious Area (DCIA) reduction- Each proposed development should provide the following tracking data as part of the approval process.

1. Total existing Impervious Cover (IC) on the site prior to proposed activity, in acres
2. The amount of existing Directly Connected IC (DCIA) on the site prior to proposed activity, in acres
3. Total IC removed as a result of the proposed project, in acres
4. The amount of Directly Connected IC removed as a result of the proposed project (DCIA removed from town system), in acres



Please join the

Longbrook Park Commission

and the

Office of Mayor Laura Hoydick

for the

Annual Spring

LONGBROOK PARK CLEANUP

Saturday

April 23rd, 2022

8:00 A.M.

Marcus Drive

Please bring your own garden tools and gloves!

For more information email

kshake@townofstratford.com

or

mayor@townofstratford.com

Town of Stratford · Connecticut · Settled 1639 · Seal

WORKING TOGETHER FOR A CLEANER GREENER PLACE TO LIVE.

PROJECT Green sweep
It's all about PRIDE!

ANNUAL HOUSATONIC RIVER CLEAN-UP
STRATFORD - MILFORD - SHELTON

April 30, 2022

8:00 am - 12:00 pm

Birdseye St. Boat Ramp

For questions or to register a group please contact Kelly Kerrigan at 203.385.4006 or kkerrigan@townofstratford.com

- ✔ Gloves and bags will be provided on the day of the event.
- ✔ Reusable water bottles will be issued to all participants.
- ✔ Please dress for the weather conditions- work boots, sun block and bug spray are recommended.

stratfordct.gov/qcontent/NewsFeed.aspx?FeedID=3270

1/31/2022 - 2021 Annual Report on Stormwater Quality Permitting to be available February 15th

The Town of Stratford will make a copy of its 2021 Annual Report on Stormwater Quality Permit compliance activities available for public inspection by the end of the day on February 15, 2022. The Annual Report will be available for inspection on the Town Website at www.townofstratford.com/stormwater, and will also be available for inspection in the Engineering Dept at Townhall at 2725 Main Street.

The public is invited to comment on the Report, which may be submitted by email or in writing within 30 days of the posting date. Comments may be addressed to John Casey, Town Engineer by email to jcasey@townofstratford.com, or in writing to 2725 Main Street, Stratford, CT, 06615. If there are any questions, please call the engineering office at 203-385-4013 during office hours

Archives

stratfordct.gov/qcontent/NewsFeed.aspx?FeedID=3290

2/16/2022 - Annual Stormwater Permit Report Available

2/15/2022 - Annual Stormwater Permit Report Available

The Town of Stratford 2021 Annual Report on Stormwater Quality Permit compliance activities is now available for public inspection at www.townofstratford.com/stormwater.

The public is invited to comment on the Report, which comments may be submitted by email or in writing by March 16, 2021. Comments may be addressed to John Casey, Town Engineer, by email to jcasey@townofstratford.com, or in writing to 2725 Main Street, Stratford, CT, 06615. If there are any questions, please call the engineering office at 203-385-4013 during office hours.

Archives

Retrofit Plan

Municipal Storm Sewer System Permit

Town of Stratford

July 2020

The Town of Stratford has prepared this Retrofit Plan (the Plan) in accordance with the 2017 Stormwater Management Plan and developed in compliance with the Connecticut Department of Energy & Environmental Protection (CT DEEP) Municipal Separate Storm Sewer System (MS4) General Permit requirements.

Much of the infrastructure within the Town of Stratford was developed long before stormwater management was required or before the establishment of modern stormwater management criteria. As such, retrofits include new installations or upgrades to existing infrastructure where there may be a lack of stormwater management in accordance with best management practices (BMPs).

One of the larger goals of this plan is to reduce the Directly Connecticut Impervious Area (DCIA), or to "disconnect" this DCIA from the stormwater conveyance system. DCIA has been defined as the impervious area that transports stormwater directly into a waterbody or into stormwater drainage infrastructure that transports runoff directly into waterbodies. Examples of DCIA may include runoff directly from sidewalks, driveways, roadways, buildings and parking lots. For a site to be considered disconnected, it must be retrofitted to retain the appropriate portion of the Water Quality Volume (WQV) on-site. The WQV is the volume of runoff generated from Impervious Coverage by the first inch of rainfall for new developments and the first ½" for re-development projects. This may be accomplished through retrofits or redevelopment projects (public or private) that utilize Low Impact Development (LID) and runoff reduction measures or any other means by which stormwater is infiltrated into the ground or reused for other purposes without a surface or stormwater sewer discharge. Pursuant to the CT DEEP MS4 Permit, the percent of Directly Connected Impervious Area (DCIA) was calculated throughout the municipality. As of the date of this plan, the DCIA for the Town of Stratford has been calculated at 1,492 acres. Our goal by the end of the current permit period (i.e., five years) is a 2% reduction – amounting to a reduction of 1% in Year 4 (i.e., 2021) and 1% in Year 5 (i.e., 2022). Following the fifth year of the permit, the goal is a 1% reduction per year. The Town will strive to meet these goals, although budgetary constraints may slow implementation.

Retrofit Considerations

A variety of factors must be taken into consideration when identifying and prioritizing retrofit projects. Some factors may include site selection, available budgeting, practicality, and constructability. Some of these criteria to aid in prioritization efforts may include, but not be limited to, the following:

- Site Ownership: In terms of site selection, the Town would seek municipally-owned properties in which the Town already has the authority to maintain and operate. Alternatively, town rights-of-way may also be considered.
- Flood-Prone Areas: High priority areas include those prone to flooding or chronic inundation. As a coastal community, Stratford has many low-lying areas prone to flooding, and these issues are slated to increase with the onset of climate change, to include sea-level rise and increased precipitation events. These areas would be a high priority as new stormwater retrofits would seek to manage peak stormwater flows to alleviate flooding.

- High Contaminant Loads: Areas with high contaminant loads, such as parking lots, would also be higher priority locations. Petroleum products and other automotive fluids that leak onto parking surfaces over time are often flushed into catchbasins, find their way into waterways without treatment. Retrofits may aid in treatment of pollutants such as oils and grease prior to discharge off-site.
- Long Term Maintenance: Retrofit projects that require intense maintenance or have high maintenance costs following installation should be well thought out. These projects may have a lower long-term success rate if maintenance is unable to be performed in the future due to budgetary or personnel constraints.
- Watershed: Sites located within impaired watersheds should be prioritized over healthier watersheds.
- Natural hydrology: Some sites may have a natural hydrology better suited for one particular retrofit over another.
- New Retrofit v. Retrofit Conversion/Enhancement: It may be more financially prudent to convert or otherwise enhance an existing BMP at a site, than to install a new retrofit. For example, a BMP may have been undersized, or designed or installed incorrectly. These could include enhancements to increase treatment volume or hydraulic residence time. Or the BMP could be restored to renew its performance through a major sediment cleanout, vegetation clearing/harvesting, or filter media upgrades.
- Public Acceptance: The site selection process should include consideration for public acceptance.
- Budgetary Considerations: Sites should be prioritized based on cost-effectiveness versus the project benefits.
- Plan in coordination with other capital projects to take advantage of cost efficiencies associated with larger scale projects.

Retrofit projects will be dependent on the site-specific characteristics of a given location. Some locations may be unsuitable for WCV storage. At these locations, the Town may seek to implement stormwater treatment, which does not count toward DCIA disconnection at this time, but still provides improvement to stormwater quality. Some example projects may include the following:

- Constructed wetlands, raingardens, and bioswales: Manmade features designed to mimic select natural functions and processes of wetlands, including floodflow alteration, sediment and toxicant retention, and nutrient removal. This may also include parking lot infiltration islands.
- Permeable pavement/pavers: As an option to traditional impermeable pavements such as bituminous concrete or concrete, permeable pavements and pavers allow stormwater to percolate through the ground surface. There is a maintenance component to ensure the longevity and functionality of this type of retrofit.

- Oil/Particle Separators: When installed and maintained properly, these provide stormwater treatment for oils and sediments prior to discharge to the stormwater conveyance system.
- Low Impact Development (LID) Measures
- Detention Basin Retrofits: Dry detention basins may be altered to include wetland plantings and micropools to aid in filtering water prior to discharge
- In-stream retrofits: Examples may include conversion of concrete-lined channels to natural substrate bottoms with native vegetation, the installation of small check dams to reduce flow velocities, etc.

Near-Term Retrofit Schedule

Within the next two years, the Town of Stratford has identified two retrofits projects in accordance with scheduled infrastructure maintenance activities. Retrofit projects are generally more cost-effective when implemented in conjunction with already planned infrastructure projects. Within the next two years, the Town is planning to resurface the parking lots at Bunnell High School and the Baldwin Center.

Bunnell High School is located at 1 Bulldog Boulevard in the northern portion of Stratford. It is anticipated that the Bunnell High School paved parking areas will be resurfaced during 2021. Currently, stormwater at this location ultimately discharges to Bruce Brook, an impaired waterbody. The paved surface at Bunnell totals approximately 2.5 acres. Therefore, a retrofit for this feature would result in a disconnection of0.17 % for the year. This retrofit project is currently in planning and design stages.

The Baldwin Center is located at 1000 West Broad Street and is somewhat centrally located in Stratford. It is anticipated that the Baldwin Center paved parking areas will be resurfaced during 2022. Currently, stormwater at this location ultimately discharges to Ferry Creek. The paved surface at the Baldwin Center totals approximately 2 acres. Therefore, a retrofit for this feature would result in a disconnection of 0.13 xx% for the year. This retrofit project is currently in planning and design stages.

Long-Term Retrofit Schedule

Following completion of the above-identified near-term retrofit projects, the Town will seek to conduct retrofit projects in accordance with other planned infrastructure improvement projects in order to provide a level of cost savings. Should multiple sites be up for consideration, they will be prioritized based on the criteria outlined under *Retrofit Considerations*, or others as they apply. The goal for each year will be a 1% disconnection of the DCIA in accordance with the provisions of the permit.