

DRAFT 2020 ANNUAL REPORT MS4 GENERAL PERMIT

City of Shelton, Connecticut

GSM000045

February 15, 2021



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Introduction

The following draft 2020 Annual Report has been prepared in accordance with the requirements of the CT DEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4). Stormwater activities conducted by the City of Shelton are detailed in this report for the calendar year 2020 and show the progress the City has made toward implementing its goals outlined within the 2017 Stormwater Management Plan (SWMP). The SWMP is viewable from the following hyperlink: <http://cityofshelton.org/download/34904/>.

This report has been posted on the City of Shelton's website for the residents of the City of Shelton to review and send in comments. In addition, a paper copy is available upon request at the Engineering Department on 54 Hill Street. The public review and comment period will occur during a forty-five day period between February 15, 2021 and March 31, 2021, prior to the draft being finalized and submitted electronically to the CT DEEP on or before April 01, 2021. Residents are encouraged to send comments to Rimas Balsys at r.balsys@cityofshelton.org.

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MS4 General Permit
City of Shelton 2020 Annual Report
Existing MS4 Permittee
Permit Number GSM000045
[January 1, 2020 – December 31, 2020]

This report documents the City of Shelton's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2020 to December 31, 2020.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1-1 Implement public education and outreach	Incomplete	Public meeting will be completed next year	Conduct a public meeting in each year of the permit to inform the residents and discuss the program	City Engineer	July 1, 2017	2021	
1-2 Address education/outreach for pollutants of concern*	Ongoing	Previous year's annual report was posted to the stormwater website. The City maintained educational pamphlets at City Hall, the	Post to stormwater website	City Engineer	July 1, 2017	Began in 2018; ongoing since then	http://cityofshelton.org/2018-stormwater-plan/ http://cityofshelton.org/waste-disposal-recycling/

		Community Center, and the Library, including information on septic system care, illicit discharges, soil erosion, animal waste, lawn care, and pesticides. The City continued to maintain its Waste Disposal & Recycling page on its website. Information on hazardous waste, hazardous waste collection as well as leaf collection and disposal was provided					
1-3 Literature Distribution	Ongoing	Website continues to be operational and current	Develop stormwater website	City Engineer	July 1, 2017	Began in 2017; ongoing since then	http://cityofshelton.org/public-works/storm-water-management/
1-4 Storm Drain marking/Stenciling	Incomplete	Stenciling will be completed next year	Provide stenciling materials to volunteer groups	Superintendent of Highways and Bridges	July 1, 2017	2021	
1-5 <i>Additional BMP:</i> Post stormwater and IDDE ordinances to City website	Ongoing	Maintained website with stormwater ordinances	Post pertinent stormwater ordinances to City website to be viewable by residents, as stated in SWMP	City Engineer	July 1, 2017	Ongoing	http://cityofshelton.org/documents/

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

The City will begin implementing the catch basin stenciling program next year. Also, the City will conduct a public meeting to discuss the MS4 Permit program and allow the public to provide

As outlined in the City's SWMP, the City will add a link to UCONN's Nonpoint Education for Municipal Officials (NEMO) directly from the City's stormwater website and also add additional stormwater educational materials to the stormwater website.

1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
As stated in table 1.1, the City maintains pamphlets at three locations around Town.	Residents (approximately 450 pamphlets distributed)	Septic system care	Phosphorus, Nitrogen, Bacteria	City Engineer
		Animal Waste	Bacteria	City Engineer
		Lawn Care	Phosphorus, Nitrogen	City Engineer
		Pesticides	Phosphorus, Nitrogen	City Engineer
		Illicit Discharge	Bacteria	City Engineer
		Soil Erosion	Phosphorus, Nitrogen	City Engineer

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	Due	Date completed or projected completion date	Additional details
2-1 Comply with public notice requirements for the Stormwater Management Plan and Annual Reports	Completed	Kept Stormwater Management Plan on website; posted 2019 MS4 Annual Report to the City's stormwater website	Post to stormwater website	City Engineer	July 1, 2017	2020	
2-2 Conduct a Household Hazardous Waste (HHW) Collection day annually	Completed	Publicized and conducted HHW Day	Hold annual HHW Day	Director of Public Works	July 1, 2017	October 10, 2020	
2-3 <i>Additional BMP:</i> Host annual Shelton Clean Sweep	Completed	The Shelton Clean Sweep was held during Earth Week in April 2020; however, no group events were held due to COVID-19	Host clean-up events	Shelton Anti-Litter Committee	July 1, 2017	April 2020	donttrashshelton.org/Clean%20Sweep.html
2-4 <i>Additional BMP:</i> Maintain "Don't Trash Shelton" website, host	Completed	"Don't Trash Shelton" website was maintained; Shelton Anti-Litter	Ongoing Shelton Anti-Litter	Shelton Anti-Litter Committee	July 1, 2017	Ongoing	http://donttrashshelton.org/index.html

discussion board, and sponsor clean ups and adopt-a-street programs		Committee continued to organize clean-ups and the adopt-a-street program	Committee operations				
2-5 <i>Additional BMP:</i> Host annual Housatonic River Clean Up/Green Sweep	Skipped this year	The Housatonic River Clean-Up decided to postpone its annual clean-up due to COVID-19	Host annual clean-up	Housatonic River Clean Up, Inc.	July 1, 2017	Completed in 2019; will be completed again in 2021	http://www.housatonicrivercleanup.org/
2-6 <i>Additional BMP:</i> Recognized local residents and groups for their clean-up efforts	Skipped this year	Local residents and groups are recognized for their clean-up efforts annually.	Publish recognitions online	Shelton Anti-Litter Committee	July 1, 2017	Completed in 2019; will be completed again in 2021	http://donttrashshelton.org/recognitions.html

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

The City is planning on continuing with its numerous annual events in 2021 with an effort to re-start programs that were skipped last year due to COVID-19.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	July 2017	http://cityofshelton.org/public-works/storm-water-management/ Banner added to City website alerting public that the SWMP was posted
Availability of Annual Report announced to public	Yes	February 10, 2021	Banner added to City website alerting public that the SWMP was posted

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	Due	Date completed or projected completion date	Additional details
3-1 Develop written IDDE program	Completed	The City hired a consulting company to draft the City's IDDE Plan	Draft Plan	City Engineer	July 1, 2018	May 2020	The IDDE Plan will be updated as needed
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Mapping completed; maps are available at Highway	Infrastructure was mapped in the field and inputted into GIS. Maps are available at the Highway Department. In 2021, the City will notify the public that maps are available	Make both a physical and electronic copy of the map available to the public	City Engineer	July 1, 2019	2020	An overview figure of stormwater infrastructure mapping efforts from 2020 is attached to this report
3-3 Implement citizen reporting program	Started	Although the City of Shelton does not yet have a formal reporting system, complaints regarding illicit discharges are accepted through the Highways and Bridges Department, the Water Pollution Control Authority (WPCA) Administrator, and the City Hall receptionist who all direct these calls to the Engineering Department for documentation and follow up	Create email address, phone number, or website link for citizen reports	Director of Public Works	July 1, 2018	2021	The City will add a link to the stormwater website page for citizen reporting of illicit discharges
3-4 Establish legal authority to prohibit illicit discharges	Completed	-	Some ordinances already are in place. Review and revise if required	Director of Public Works	July 1, 2018	Adopted September 9, 2010	cityofshelton.org/documents/
3-5 Develop record keeping system for IDDE tracking	Annually updated	SSO inventory initiated and updated annually	Develop system for tracking and develop an SSO inventory	City Engineer	July 1, 2017	IDDE Plan drafted in 2020	
3-6 Address IDDE in areas with pollutants of concern	In progress	Dry and wet weather screenings are currently in progress	Conduct an assessment and use for prioritization of corrective actions	City Engineer	July 1, 2017	2021	Once dry and wet weather screenings are completed, the City will prioritize catchments for corrective actions

3-7 Detailed MS4 infrastructure mapping	Mapping completed; maps are available at Highway	Infrastructure was mapped in the field and inputted into GIS. Maps are available at the Highway Department. In 2021, the City will notify the public that maps are available	Make both a physical and electronic copy of the map available to the public	City Engineer	July 1, 2020	2020	An overview figure of stormwater infrastructure mapping efforts from 2020 is attached to this report
3-8 Complete list and maps of all MS4 stormwater outfalls throughout municipality	Mapping and inventory complete; maps are available at Highway	MS4 Outfalls were mapped in the field and inputted into GIS. Maps are available at the Highway Department. In 2021, the City will notify the public that maps are available	Make copy of the map available to the public	City Engineer	July 1, 2022	2020	An overview figure of stormwater infrastructure mapping efforts from 2020 is attached to this report

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

The IDDE Plan will be posted to the stormwater website. Additionally, the City has hired a consulting company that is in track to complete dry and wet weather outfall screening in 2021. The City will alert the public that stormwater maps are available at the Highway Department. Also, the City will create an email, phone number, or website link for citizens to use to report stormwater issues.

3.3 List of citizen reports of suspected illicit discharges received during this reporting period.

Date of Report	Location / suspected source	Response taken
None		

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

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged (gallons)	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
500 River Road	9/25/2012; 1.75 hours	MS4	100	Grease/unknown	Flushed line (River Road Pump Station) on 9/25/2012	-

25 Kneen Street Extension	2/18/2013; 2 hours	MS4	500	Object/unknown	Removed object; flushed line on 2/18/2013	-
71 Rocky Rest Road	5/22/2013; 3 hours	MS4	2,000	Grease/unknown	Line flushed on 5/22/2013; inspected via closed circuit television (CCTV) camera on 6/28/2013	-
75 River Road	3/25/2014; 2 hours	Housatonic River	1,000	Roots in manhole/unknown	Line flushed on 5/22/2013; CCTV inspection on 8/29/2019	-
25 Riverdale Avenue	4/30/2014; 1 hour	MS4	30,000		SCADA System Logic completed in 2014	-
30 Little Fawn Drive	8/30/2014; 4 hours	MS4	30	Roots/unknown	Line flushed on 8/30/2014; root treatment completed in 2014, 2017, 2018, and 2020	-
14 Regent Drive	11/22/2014; 1.75 hours	MS4	2,500	Roots/unknown	Line flushed on 11/22/2014; roots removed on 11/22/2014	-
1 Trap Falls Road	1/29/2015; 1.5 hours	MS4	200	Rags, wipes/unknown	Line flushed on 1/29/2015; inspected via CCTV on 6/24/2015	-
19 Forest Parkway	4/28/2015; 1 hour	MS4	50	Rags, paper towels/unknown	Line flushed on 4/28/2015; debris removed; inspected via CCTV on 10/29/2015	-
19 Yutaka Trail	6/21/2016; 1.25 hours	Far Mill River	100	Rags, wipes/unknown	Line flushed on 6/21/2016	-
78 William Street	2/24/2018; 1.5 hours	MS4	100	Wipes/unknown	Cleaned wipes from manhole and jetted line on 2/24/2018	-
11 Cribbins Avenue	5/30/2018; 1 hour	MS4	50	Rags, wipes/unknown	Jetted line and cleaned manhole of rags and wipes on 5/30/2018	-
There were no SSOs in 2020.						

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

Residents report illicit discharges to various departments and they are immediately handled by the WPCA or other department. There is no centralized tracking system; however, SSOs are reported annually in the MS4 Annual Report.

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

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

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	747 outfalls (requires MS4 designation); plus 9 state outfalls
Estimated or actual number of interconnections	Less than 20
Outfall mapping complete	100%
Interconnection mapping complete	0%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	0
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	0%

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

The City hired a consulting company to provide annual IDDE training on June 25, 2020 to employees involved with IDDE Program implementation and 11 employees attended. This training is performed annually.

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	Due	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	Regulations are planned to be reviewed for consistency with the 2017 MS4 Permit	Review and revise, if required	Planning and Zoning	July 1, 2019	2021	
4-2 Develop/ Implement plan for interdepartmental coordination in site plan review and approval	Completed, ongoing	The City maintains interdepartmental coordination for site plan review between the Conservation, Inland Wetlands, Engineering, and the Planning and Zoning Departments	Evaluate current practices and updates, as needed	Planning and Zoning	July 1, 2017	Ongoing	Soil Erosion and Sediment problems are reported to the Planning and Zoning office by departments who have personnel in the field and observe deficiencies. These departments include Engineering, Building, Sewer, Inland Wetlands, and Highways and Bridges
4-3 Review site plans for stormwater quality concerns	Completed, ongoing	Site plans are currently reviewed for stormwater quality concerns. Planning and Zoning issues Soil Erosion and Sediment Control certificates for all subdivisions and site developments. Erosion and sedimentation plans are required for each application	Evaluate current practices and update, as needed	City Engineer and the Planning and Zoning Administrator	July 1, 2017	Ongoing	
4-4 Conduct site inspections	Completed, ongoing	The Wetlands and the Zoning Enforcement staff continues to inspect and monitor the installation and maintenance of all erosion and sediment control measures on active construction sites. A standard paper inspection form is used	Develop an inspection form that includes new requirements	Planning and Zoning	July 1, 2017	Ongoing	The Planning and Zoning Administrator, who has the supervisory responsibility of overseeing E&S measures on construction sites, notifies City staff and developers of potential heavy rainfall events by email and/or telephone. This

		for documentation purposes. The City is currently upgrading to Municode which will allow tracking by date ranges					procedure has been utilized since at least 2009
4-5 Implement procedure to allow public comment on site development	Completed, ongoing	The public comments for specific construction projects are addressed and then documented in the project folder	Develop system to track and log comments	Planning and Zoning	July 1, 2017	Ongoing	The public has and utilizes their right to comment on site development during both public hearings held by the Inland Wetlands and Planning and Zoning commissions and during the public portion of regular meeting
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Completed, ongoing	Developers are informed of their obligation to obtain the DEEP construction stormwater permit. Copies of the DEEP application are on display in the Planning and Zoning Office and are printed for distribution	Notify developers if their projects disturb greater than 1 acre of land	Planning and Zoning	July 1, 2017	Ongoing	

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

The City will plan on continuing its interdepartmental coordination and other ongoing BMPs. In 2021, the City will review its MCM-4 regulations for compliance with the 2017 MS4 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	Due	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	In progress	Regulations are planned to be reviewed	Review bylaws and guidelines in order to incorporate LID	Planning and Zoning	July 1, 2021	Previous guidelines adopted in September 2010; updated	The City previously adopted Ordinance No. 854, Stormwater Management/ Operation and Maintenance Requirements. The City will review and

						regulations will be considered in 2021	update current regulations to be compliant with the 2017 MS4 Permit
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	In progress	Regulations are planned to be reviewed	Educate the public on LID	Planning and Zoning	July 1, 2021	Updated regulations will be considered in 2021	The City currently requires all developments to provide stormwater detention to limit increases in the post development runoff rates. While this requirement is not in the Planning and Zoning regulations, the goal of limiting runoff rates to pre-construction levels has been met with great success. The City also requires developments and single family homes to employ some degree of ground infiltration for site generated runoff to be retained on-site
5-3 Implement long-term maintenance plan for stormwater basins and treatment structures	Partially completed	The inventory of structures was completed; structures are inspected at least annually, but no O&M schedule has been developed	Inventory relevant structures and develop a schedule	Planning and Zoning	July 1, 2019	Ongoing	
5-4 Complete DCIA mapping	In progress	The City hired a consulting company to complete this work	Document progress in annual report	Planning and Zoning; Engineering Department	July 1, 2020	2021	
5-5 Address post-construction issues in areas with pollutants of concern	In progress	The City hired a consulting company to complete this work	Prioritize areas impaired by Nitrogen, Phosphorus, and bacteria	Planning and Zoning	July 1, 2019	2021	

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

The City will develop a stormwater structure O&M schedule. In addition, the City has hired a consultant to complete a DCIA plan that will prioritize areas with pollutants of concern for retrofits.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	3,098.76 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres / 3,098.76 acres
Retrofits completed	0
DCIA disconnected	0%
Estimated cost of retrofits	\$0
Detention or retention ponds identified	0

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

DCIA was calculated using UCONN's Nonpoint Education for Municipal Officials (NEMO) mapping tool. The City assumed that all impervious cover is fully connected (impervious cover equals DCIA). In Shelton, 15% of total acreage is considered impervious according to NEMO, producing a DCIA of 3,098.76 acres.

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	Due	Date completed or projected completion date	Additional details
6-1 Develop/implement formal employee training program	Completed	Consulting company conducted employee training program	Conduct annual stormwater training	Director of Public Works	July 1, 2017	June 25, 2020	
6-2 Implement MS4 property and operations maintenance	Incomplete	-	Inspect assets and assess conditions to develop program	Director of Public Works; Parks and Recreation	July 1, 2018	2021	
6-3 Implement coordination with interconnected MS4s	Completed, ongoing	City is in communication with CT DOT regarding MS4 issues; information sharing is ongoing	Meet with relevant MS4s and the CT DOT	Director of Public Works	Not specified		No known interconnections with neighboring municipal MS4 systems

6-4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	The City is planning on addressing this requirement in future years and will consider any necessary modification to City regulations	Develop an asset management program	Director of Public Works; Planning	Not specified	2022	
6-5 Evaluate additional measures for discharges to impaired waters*	Incomplete	The City is planning on addressing this requirement in future years	Develop a City-wide plan that addresses pollutants and discharges	Director of Public Works	Not specified	2022	
6-6 Track projects that disconnect DCIA	In progress	No City-owned projects have disconnected DCIA; tracking is ready to begin after projects start	Annually track the total acreage of DCIA that is disconnected from the MS4	Director of Public Works	July 1, 2017	2021	
6-7 Implement infrastructure repair/rehab program	Completed, ongoing	The City has CCTV and other equipment in-house to investigate issues as needed; City completes repair/rehab as needed	CCTV the drainage system, investigate flooding areas, etc. to develop program	Director of Public Works	July 1, 2021	Ongoing	
6-8 Develop/implement plan to identify/prioritize retrofit projects	In progress	The City hired consulting company to develop plan and plan is under development	Inspect assets and assess conditions to develop program	Director of Public Works	July 1, 2020	2021	
6-9 Implement retrofit projects to disconnect 2% of DCIA	Incomplete	The City will implement and track projects to disconnect DCIA after DCIA plan is completed	Use retrofit prioritization to select and implement DCIA-reducing projects to reach 2% reduction goal	Director of Public Works	July 1, 2022	2022	
6-10 Develop/implement street sweeping program	Completed, ongoing	The City hired a contractor to implement its street sweeping program	Sweep all parking lots and streets within the MS4 at least once per year	Director of Public Works	July 1, 2017	Ongoing	

6-11 Develop/implement catch basin cleaning program	Completed, ongoing	Program is annually implemented	Track catch basin cleaning and develop a schedule	Director of Public Works	July 1, 2020	Ongoing	The current catch basin cleaning program consists of periodically assigning the foremen to perform visual inspections of the catch basins. The inspections are done by both snow plow routes and streets scheduled for resurfacing
6-12 Develop/implement snow management practices	Completed, ongoing	Low-salt practices are annually implemented.	Work on reducing salt use	Director of Public Works	July 1, 2018	Ongoing	City snow management practices include using only straight pre-treated salt for de-icing operations. A small supply of a sand/salt mix is maintained for limited use in locations with significant grades and only during specific hazardous road conditions
6-13 <i>Additional BMP:</i> Additional measures for discharges to impaired waters (with or without a TMDL)	Incomplete	Actions are being planned	Implement turf management practices and identify retrofits where needed	Director of Public Works; Parks and Recreation	July 1, 2020	2021	

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

The City will complete written O&M procedures for property maintenance (BMP 6-2). The consulting company hired by the City will finish the DCIA plan in 2020 and then the City will begin selection and implementing projects to disconnect DCIA. In addition, the City will continue to train its workers on stormwater issues annually. The City will begin to develop turf management standard operating procedures (SOPs) and identify turf-reducing retrofits in 2021 (BMP 6-13).

In future years, the City will develop a City-wide plan that addresses pollutants that discharge to impaired waters and develop/implement a program to control other sources of pollutants to the MS4.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yes; June 25, 2020
Street sweeping	
Curb miles swept	37 miles
Volume (or mass) of material collected	50 yards of combined street sweepings and catch basin cleanings removed
Catch basin cleaning	
Total catch basins in priority areas	Approximately 724
Total catch basins in MS4	5365
Catch basins inspected	121
Catch basins cleaned	111
Volume (or mass) of material removed from all catch basins	50 yards of combined street sweepings and catch basin cleanings removed
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of deicing material used	Pre-treated salt and salt brine
Total amount of each deicing material applied	275 tons of Safe T-Salt; 2,500 gallons of brine
Type(s) of deicing equipment used	All season spreaders with brine application system
Lane-miles treated	216 miles
Snow disposal location	799 Howe Avenue
Staff training provided on application methods & equipment	Done in-house by supervisor as needed
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	4,300 pounds of fertilizer applied to City property in 2020; the City will track reduction in future years
Reduction in turf area (since start of permit)	0 acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	Quantity to be calculated in future years

6.4 Catch basin cleaning program

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule. [\[Complete this section for the 2017 Annual Report only\]](#)

The City sends its one vacuum truck out a couple days a week from spring to fall with two people to inspect catch basins and clean material, if determined necessary. An ejector truck is used as needed. Catch basin cleanings are brought to a designated area at the City's compost site. The City aims to inspect all catch basins every three to five years. In 2020, the City began documenting inspections, including noting the catch basin cleaning status, date of inspection, catch basin location, Shelton personnel present, and repair needed/completed.

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. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

The City will provide more details about its retrofit program and DCIA plans in the 2021 Annual Report, after its consulting company completes the DCIA report that is currently in development.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

The City will provide more details about its retrofit program and DCIA plans in the 2021 Annual Report, after its consulting company completes the DCIA report that is currently in development.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

The City will provide more details about its retrofit program and DCIA plans in the 2021 Annual Report, after its consulting company completes the DCIA report that is currently in development.

Part II: Impaired waters investigation and monitoring [This section required beginning with 2018 Annual Report]

1. Impaired waters investigation and monitoring program

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.

During this reporting year, the IDDE Plan and stormwater system mapping, including outfalls, were completed. In addition, a consulting company was hired to complete dry and wet weather outfall screening/sampling, which will be finished in 2021. The City will report on monitoring work and sampling results in the 2021 Annual Report.

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 for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
None					

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?
None					

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
None		

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.

[illegible]

Part III: Additional IDDE Program Data [This section required beginning with 2018 Annual Report]

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).

Catchment ID	Priority Rank						
6000-00-5+L4-01	High	6000-75-1-013	High	6000-79-1-027	High	6025-08-1-02	High
6000-00-5+R11-01	High	6000-75-1-014	High	6000-79-1-028	High	6025-08-1-03	High
6000-00-5+R11-02	High	6000-75-1-015	High	6000-79-1-029	High	6025-08-1-04	High
6000-00-5+R12-01	High	6000-75-1-016	High	6000-79-1-030	High	6025-08-1-05	High
6000-00-5+R18-01	High	6000-75-1-017	High	6000-79-1-031	High	6025-08-1-06	High
6000-00-5+R18-02	High	6000-75-1-018	High	6024-04-1-01	High	6025-08-1-07	High
6000-00-5+R19-01	High	6000-75-1-019	High	6024-04-1-02	High	6025-08-1-08	High
6000-00-5+R19-02	High	6000-75-2-R1	High	6024-04-1-03	High	6025-08-1-09	High
6000-00-5+R19-03	High	6000-79-1-01	High	6024-06-1-01	High	6025-08-1-010	High
6000-00-5+R19-04	High	6000-79-1-02	High	6025-00-2-R2-0	High	6025-08-1-011	High
6000-00-5+R19-05	High	6000-79-1-03	High	6025-00-3-L2-01	High	6025-08-1-012	High
6000-00-5+R19-06	High	6000-79-1-04	High	6025-00-3-L2-02	High	6025-08-1-013	High
6000-00-5+R19-07	High	6000-79-1-05	High	6025-00-3-L2-03	High	7104-01-1-L1-01	High
6000-00-5+R20-01	High	6000-79-1-06	High	6025-00-3-L2-04	High	7104-01-1-L1-02	High
6000-00-5+R20-02	High	6000-79-1-07	High	6025-00-3-L2-05	High	6000-00-5+L4-02	Low
6000-00-5+R20-03	High	6000-79-1-08	High	6025-00-3-L2-06	High	6000-00-5+L4-03	Low
6000-00-5+R22-01	High	6000-79-1-09	High	6025-00-3-L2-07	High	6000-00-5+L4-04	Low
6000-00-5+R22-02	High	6000-79-1-010	High	6025-00-3-R5-01	High	6000-00-5+L4-05	Low
6000-00-5+R22-03	High	6000-79-1-011	High	6025-00-3-R5-02	High	6000-00-5+L4-06	Low
6000-00-5+R22-04	High	6000-79-1-012	High	6025-00-3-R5-03	High	6000-00-5+L4-07	Low
6000-73-2-R1-0	High	6000-79-1-013	High	6025-00-3-R5-04	High	6000-00-5+L4-08	Low
6000-75-1-02	High	6000-79-1-014	High	6025-00-3-R5-05	High	6000-00-5+L4-09	Low
6000-75-1-03	High	6000-79-1-015	High	6025-00-3-R5-06	High	6000-00-5+L4-010	Low
6000-75-1-04	High	6000-79-1-016	High	6025-00-3-R5-07	High	6000-00-5+R11-015	Low
6000-75-1-05	High	6000-79-1-017	High	6025-00-3-R5-08	High	6000-00-5+R11-016	Low
6000-75-1-06	High	6000-79-1-018	High	6025-00-3-R5-09	High	6000-00-5+R11-03	Low
6000-75-1-07	High	6000-79-1-019	High	6025-00-3-R7-01	High	6000-00-5+R11-04	Low
6000-75-1-08	High	6000-79-1-020	High	6025-00-3-R7-02	High	6000-00-5+R11-05	Low
6000-75-1-09	High	6000-79-1-021	High	6025-00-3-R7-03	High	6000-00-5+R11-06	Low
6000-75-1-010	High	6000-79-1-022	High	6025-00-3-R8-01	High	6000-00-5+R11-07	Low
6000-75-1-011	High	6000-79-1-023	High	6025-00-3-R8-02	High	6000-00-5+R11-08	Low
6000-75-1-012	High	6000-79-1-024	High	6025-04-1-01	High	6000-00-5+R11-09	Low
		6000-79-1-025	High	6025-07-1-01	High	6000-00-5+R11-010	Low
		6000-79-1-026	High	6025-08-1-01	High	6000-00-5+R11-011	Low

6000-00-5+R11-012	Low
6000-00-5+R11-013	Low
6000-00-5+R11-014	Low
6000-00-5+R13-02	Low
6000-00-5+R13-03	Low
6000-00-5+R13-04	Low
6000-00-5+R13-05	Low
6000-00-5+R13-06	Low
6000-00-5+R13-07	Low
6000-00-5+R14-08	Low
6000-00-5+R14-09	Low
6000-00-5+R14-010	Low
6000-00-5+R14-011	Low
6000-00-5+R14-012	Low
6000-00-5+R14-013	Low
6000-00-5+R14-014	Low
6000-00-5+R14-015	Low
6000-00-5+R14-016	Low
6000-00-5+R14-017	Low
6000-00-5+R14-018	Low
6000-00-5+R14-019	Low
6000-00-5+R14-020	Low
6000-00-5+R14-021	Low
6000-00-5+R14-022	Low
6000-00-5+R14-023	Low
6000-00-5+R14-024	Low
6000-00-5+R20-04	Low
6000-00-5+R20-05	Low
6000-00-5+R20-06	Low
6000-00-5+R20-07	Low
6000-00-5+R20-08	Low
6000-00-5+R20-09	Low
6000-00-5+R20-010	Low
6000-00-5+R23-01	Low
6000-00-5+R23-02	Low
6000-00-5+R23-03	Low
6000-00-5+R23-04	Low
6000-00-5+R23-05	Low
6000-00-5+R24-01	Low
6000-00-5+R24-02	Low
6000-00-5+R24-03	Low
6000-00-5+R24-04	Low

6000-00-5+R24-05	Low
6000-00-5+R24-06	Low
6000-00-5+R24-07	Low
6000-63-1-01	Low
6000-63-1-02	Low
6000-63-1-03	Low
6000-63-1-04	Low
6000-63-1-05	Low
6000-63-1-06	Low
6000-63-1-07	Low
6000-63-1-08	Low
6000-63-1-09	Low
6000-63-1-010	Low
6000-63-1-011	Low
6000-63-1-012	Low
6000-63-1-013	Low
6000-63-1-014	Low
6000-63-1-015	Low
6000-63-1-016	Low
6000-63-1-017	Low
6000-63-1-018	Low
6000-63-1-019	Low
6000-63-1-020	Low
6000-63-1-021	Low
6000-68-1-022	Low
6000-68-1-023	Low
6000-68-1-024	Low
6000-68-1-025	Low
6000-68-1-026	Low
6000-68-1-027	Low
6000-68-1-028	Low
6000-68-1-029	Low
6000-68-1-030	Low
6000-68-1-031	Low
6000-68-1-032	Low
6000-68-1-033	Low
6000-68-1-034	Low
6000-68-1-035	Low
6000-68-1-036	Low
6000-68-1-037	Low
6000-68-1-038	Low
6000-68-1-039	Low

6000-68-1-040	Low
6000-68-1-041	Low
6000-68-1-042	Low
6000-71-1-01	Low
6000-71-1-02	Low
6000-71-1-03	Low
6000-71-1-04	Low
6000-71-1-05	Low
6000-71-1-06	Low
6000-71-1-07	Low
6000-71-1-08	Low
6000-71-1-09	Low
6000-71-1-010	Low
6000-71-1-011	Low
6000-71-1-012	Low
6000-71-1-013	Low
6000-71-1-014	Low
6000-71-1-015	Low
6000-71-1-016	Low
6000-71-1-017	Low
6000-71-1-018	Low
6000-71-1-019	Low
6000-71-1-020	Low
6000-73-2-L2-01	Low
6000-73-2-L2-02	Low
6000-73-2-L2-03	Low
6000-73-2-L2-04	Low
6000-73-2-L2-05	Low
6000-73-2-L2-06	Low
6000-73-2-L2-07	Low
6000-73-2-L2-08	Low
6000-73-2-L2-09	Low
6000-73-2-L2-010	Low
6000-73-2-L2-011	Low
6000-73-2-L2-012	Low
6000-73-2-L2-013	Low
6000-73-2-L2-014	Low
6000-73-2-L2-015	Low
6000-73-2-L2-016	Low
6000-73-2-L2-017	Low
6000-73-2-L2-018	Low
6000-73-2-L2-019	Low

6000-73-2-L2-020	Low
6000-73-2-L2-021	Low
6000-74-1-01	Low
6024-00-1-032	Low
6024-00-1-033	Low
6024-00-1-034	Low
6024-00-2-L1-01	Low
6024-00-2-L1-02	Low
6024-00-2-L1-03	Low
6024-00-2-L1-04	Low
6024-00-2-L1-05	Low
6024-00-2-L1-06	Low
6024-00-2-L1-07	Low
6024-00-2-L1-08	Low
6024-00-2-L1-09	Low
6024-00-2-L1-010	Low
6024-00-2-L1-011	Low
6024-00-2-L1-012	Low
6024-00-2-R1-01	Low
6024-00-2-R1-02	Low
6024-00-2-R1-03	Low
6024-00-2-R1-04	Low
6024-00-2-R1-05	Low
6024-00-2-R1-06	Low
6024-00-2-R1-07	Low
6024-00-2-R5-01	Low
6024-00-2-R5-02	Low
6024-00-2-R5-03	Low
6024-00-2-R5-04	Low
6024-00-2-R5-05	Low
6024-00-2-R5-06	Low
6024-00-2-R5-07	Low
6024-00-2-R5-08	Low
6024-00-2-R5-09	Low
6024-00-2-R5-010	Low
6024-00-2-R5-011	Low
6024-00-2-R5-012	Low
6024-00-2-R5-013	Low
6024-00-2-R5-014	Low
6024-00-2-R5-015	Low
6024-00-2-R5-016	Low
6024-00-2-R5-017	Low

6024-00-2-R5-018	Low
6024-00-2-R5-019	Low
6024-00-2-R5-020	Low
6024-00-2-R5-021	Low
6024-00-2-R5-022	Low
6024-00-2-R5-023	Low
6024-00-2-R5-024	Low
6024-00-2-R5-025	Low
6024-00-2-R5-026	Low
6024-00-2-R5-027	Low
6024-00-2-R5-028	Low
6024-00-2-R5-029	Low
6024-00-2-R5-030	Low
6024-00-2-R5-031	Low
6024-00-2-R5-032	Low
6024-00-2-R5-033	Low
6024-00-2-R5-034	Low
6024-00-2-R5-035	Low
6024-03-1-01	Low
6024-03-1-02	Low
6024-03-1-03	Low
6024-04-1-04	Low
6024-04-1-05	Low
6024-04-1-06	Low
6024-04-1-07	Low
6024-04-1-08	Low
6024-04-1-09	Low
6024-04-1-010	Low
6024-04-1-011	Low
6024-04-1-012	Low
6024-05-1-01	Low
6024-05-1-02	Low
6024-05-1-03	Low
6024-05-1-04	Low
6024-05-1-05	Low
6024-05-1-06	Low
6024-05-1-07	Low
6024-05-1-08	Low
6024-05-1-09	Low
6024-05-1-010	Low
6024-05-1-011	Low
6024-05-1-012	Low

6024-05-1-013	Low
6024-05-1-014	Low
6024-05-1-015	Low
6024-05-1-016	Low
6024-06-1-02	Low
6024-06-1-03	Low
6024-06-1-04	Low
6024-06-1-05	Low
6024-06-1-06	Low
6024-06-1-07	Low
6024-06-1-08	Low
6024-06-1-09	Low
6024-06-1-010	Low
6024-06-1-011	Low
6024-06-1-012	Low
6024-06-1-013	Low
6024-06-1-014	Low
6024-06-1-015	Low
6024-06-1-016	Low
6024-06-1-L1-01	Low
6024-06-1-L1-02	Low
6024-06-1-L1-03	Low
6025-00-2-R1-0	Low
6025-00-3-L2-08	Low
6025-00-3-L2-09	Low
6025-00-3-L2-010	Low
6025-00-3-L2-011	Low
6025-00-3-L2-012	Low
6025-00-3-R1-01	Low
6025-00-3-R1-02	Low
6025-00-3-R1-03	Low
6025-00-3-R1-04	Low
6025-00-3-R1-05	Low
6025-00-3-R1-06	Low
6025-00-3-R2-02	Low
6025-00-3-R2-03	Low
6025-00-3-R2-04	Low
6025-00-3-R2-05	Low
6025-00-3-R2-06	Low
6025-00-3-R2-07	Low
6025-00-3-R2-08	Low
6025-00-3-R2-09	Low

6025-00-3-R3-01	Low
6025-00-3-R3-02	Low
6025-00-3-R3-03	Low
6025-00-3-R3-04	Low
6025-00-3-R3-05	Low
6025-00-3-R3-06	Low
6025-00-3-R3-07	Low
6025-00-3-R3-08	Low
6025-00-3-R3-09	Low
6025-00-3-R3-010	Low
6025-00-3-R3-011	Low
6025-00-3-R3-012	Low
6025-00-3-R3-013	Low
6025-00-3-R3-014	Low
6025-00-3-R3-015	Low
6025-00-3-R3-016	Low
6025-00-3-R3-017	Low
6025-00-3-R3-018	Low
6025-00-3-R3-019	Low
6025-00-3-R3-020	Low
6025-00-3-R3-021	Low
6025-00-3-R3-022	Low
6025-00-3-R3-023	Low
6025-00-3-R3-024	Low
6025-00-3-R3-025	Low
6025-00-3-R3-026	Low
6025-00-3-R3-027	Low
6025-00-3-R3-028	Low
6025-00-3-R3-029	Low
6025-00-3-R3-030	Low
6025-00-3-R3-031	Low
6025-00-3-R3-032	Low
6025-00-3-R3-033	Low
6025-00-3-R3-034	Low
6025-00-3-R3-035	Low
6025-00-3-R3-036	Low
6025-00-3-R3-037	Low
6025-00-3-R3-038	Low
6025-00-3-R3-039	Low
6025-00-3-R3-040	Low
6025-00-3-R3-041	Low
6025-00-3-R5-010	Low

6025-00-3-R5-011	Low
6025-00-3-R5-012	Low
6025-00-3-R5-013	Low
6025-00-3-R5-014	Low
6025-00-3-R5-015	Low
6025-00-3-R5-016	Low
6025-00-3-R5-017	Low
6025-00-3-R5-018	Low
6025-00-3-R5-019	Low
6025-00-3-R7-04	Low
6025-00-3-R7-05	Low
6025-00-3-R7-06	Low
6025-00-3-R8-03	Low
6025-00-3-R8-04	Low
6025-00-3-R8-05	Low
6025-00-3-R8-06	Low
6025-00-3-R8-07	Low
6025-00-3-R8-08	Low
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6025-03-1-01	Low
6025-03-1-02	Low
6025-03-2-R1-01	Low
6025-03-2-R1-02	Low
6025-03-2-R1-03	Low
6025-03-2-R1-04	Low
6025-03-2-R1-05	Low
6025-03-2-R1-06	Low
6025-03-2-R1-07	Low
6025-03-2-R1-08	Low
6025-03-2-R1-09	Low
6025-03-2-R1-010	Low
6025-03-2-R1-011	Low
6025-03-2-R1-012	Low
6025-03-2-R1-013	Low
6025-03-2-R1-014	Low
6025-03-2-R1-015	Low
6025-03-2-R1-016	Low
6025-03-2-R1-017	Low
6025-03-2-R1-018	Low
6025-03-2-R1-019	Low
6025-04-1-02	Low
6025-04-1-03	Low

6025-04-1-04	Low
6025-04-1-05	Low
6025-04-1-06	Low
6025-04-1-07	Low
6025-04-1-08	Low
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6025-05-1-08	Low
6025-05-1-09	Low
6025-05-1-010	Low
6025-05-1-011	Low

6025-05-1-012	Low
6025-05-1-013	Low
6025-06-1-01	Low
6025-06-1-02	Low
6025-06-1-03	Low
6025-06-1-04	Low
6025-06-1-05	Low
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6025-06-1-08	Low
6025-06-1-09	Low
6025-06-1-010	Low
6025-06-1-011	Low
6025-06-1-012	Low
6025-06-1-013	Low
6025-06-1-014	Low
6025-06-1-015	Low
6025-06-1-016	Low
6025-06-1-017	Low
6025-06-1-018	Low
6025-06-1-019	Low
6025-06-1-020	Low
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6025-07-1-02	Low
6025-07-1-03	Low
6025-07-1-04	Low
6025-07-1-05	Low

6025-07-1-06	Low
6025-07-1-07	Low
6025-07-1-08	Low
6025-09-1-01	Low
6025-09-1-02	Low
6025-09-1-03	Low
6025-09-1-04	Low
6025-09-1-05	Low
6025-10-1-01	Low
6025-10-1-02	Low
6025-10-1-03	Low
6026-00-1-L1-01	Low
6026-00-1-L1-02	Low
6026-00-1-L1-03	Low
6026-00-1-L2	Low
6026-03-1-L1-01	Low
6026-03-1-L1-02	Low
7104-01-1-01	Low
7104-01-1-02	Low
7104-01-1-03	Low
7104-01-1-04	Low
7104-01-1-L1-03	Low
7104-01-1-L1-04	Low
7104-01-1-L1-05	Low
7104-01-1-L1-06	Low
7104-01-1-L1-07	Low
7104-01-1-L1-08	Low

7104-01-1-L1-09	Low
7104-01-1-L1-010	Low
7104-01-1-L1-011	Low
7104-01-1-L1-012	Low
7104-01-1-L1-013	Low
7104-01-1-L1-014	Low
7104-01-1-L1-015	Low
7104-01-1-L1-016	Low
7104-01-1-L1-017	Low
7104-01-1-L1-018	Low
7104-01-1-L1-019	Low
7104-01-1-L1-020	Low
7104-01-1-L1-021	Low
7104-01-1-L1-022	Low
7104-01-1-L1-023	Low
7104-01-1-L1-024	Low
7104-01-1-L1-025	Low
7104-01-1-L1-026	Low
7104-01-1-L1-027	Low
7104-01-1-L1-028	Low
7104-01-1-L1-029	Low
7104-01-1-L1-030	Low
7104-01-1-L1-031	Low
7104-01-1-L1-032	Low
7104-01-1-L1-033	Low
7104-02-1-01	Low
7104-02-1-02	Low

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

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

[illegible]

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2.2 Wet weather sample and inspection data

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

Outfall / Interconnection ID	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
None									

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
None		

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 than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

Key Junction Manhole ID	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
None					

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
None				

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
None							

Part IV: Certification

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

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

