



MS4 General Permit
Town of Stratford 2019 Annual Report
Existing MS4 Permittee
Permit Number GSM 000105
January 1, 2019 – December 31, 2019



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, 2019 to December 31, 2019.

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 program	<i>Complete and ongoing</i>	Draft letter to send to abutters of Bruce Brook	<ul style="list-style-type: none"> 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)	Jul 1, 2019, and continue until permit expires	<i>See dates corresponding to each event or activity</i>	Working on a letter to send to abutters of Bruce Brook. Although it is still in draft, the goal is to educate residents to properly dispose of yard wastes, and other pollutants.

1.1a Distribute educational materials to developers	<i>Complete and on-going</i>	<i>Updated and distributed Notice to Contractors on MS4 requirements relating to construction.</i>	<ul style="list-style-type: none"> • Number of contractors receiving notice when applying for license or permit. • 29 Engineering licenses issued since Jan 1 2019. 	Conservation (Kelly Kerrigan) Engineering (John Casey) Zoning (Jay Habansky)	Jul 1, 2019, and continue until permit expires	<i>Dec 31, 2019</i>	<i>Continue to distribute with permit applications in Building, Engineering and Planning and Zoning, now included in e-permit system.</i>
1.1b Establish a program for stormwater education in schools	<i>On-going</i>	<i>Student field trips to Great Meadows Marsh</i>	<ul style="list-style-type: none"> • Conduct outreach activities to schools throughout the town discussing impacts of stormwater discharges on local waterbodies 	Conservation (Kelly Kerrigan)	September 1, 2019	<i>On-going</i>	<i>Members of the Town's Conservation Commission continued to hold in-class discussions and field trips.</i>
1.1c Develop a program for employee training	<i>Complete and ongoing</i>	Tighe and Bond conducted training 3-7-2019 on permit reqts and illicit discharges to DPW and P&Z supervisor staff.	Two training sessions conducted 3-7-19	Conservation (Kelly Kerrigan)	Jul 1, 2019, continue until permit expires	March 7,2019	A future training event is being scheduled for 2020.
1-2 Address education/ outreach for pollutants of concern*					Jul 1, 2019		
1-3 Provide outreach for new ordinances	<i>On-going</i>		Drafted direct mail letter to businesses regarding IDDE ordinance.	Conservation (Kelly Kerrigan)	2018	<i>Dec 2018 Draft complete</i>	

Extra space for describing above BMP activities, if needed:

BMP	

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

Dissemination of educational information on the Town’s stormwater management website, and directly to contractors/permit applicants, will continue. Employee training by the Town’s stormwater management consultant will continue to take place annually or biannually as funds allow. 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).

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.
<i>Notice on MS4 requirements relating to construction updated and distributed with Engineering license applications and permit applications for Inland Wetland, Planning & Zoning, Engineering and Building.</i>	<i>Contractors and Developers. 29 issued to licensees.</i>	<i>Construction Activities</i>		<i>Engineering, Building , P&Z, Conservation</i>
<i>Classroom and field trips discussions conducted by Volunteers regarding the Great Meadows Marsh (an important estuary in Long Island Sound that is part of the federal Stewart B McKinney Wildlife Refuge)</i>	<i>Students- 4th grade</i>	<i>How pollution in and around the marsh, and along Town watercourses, can effect the health of the marsh.</i>		<i>Conservation</i>

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 Continue availability of Final Stormwater Management Plan	Complete	Plan available on line and at town offices.	Plan available on Town website, engineering office, conservation office.	Engineering (John Casey)	Jul 1, 2019, and continue until permit expires	On-going	
2-1b Comply with public notice requirements for Annual Reports	<i>Complete</i>	Draft 2018 Report was displayed on Town Website for inspection and comment	Publication of notice	Engineering (John Casey)	Feb 1, 2019	Feb 13, 2019	<i>See attached webpage screenshot</i>
2.2 Project Greensweep	<i>Complete</i>	Annual Greensweep /Housatonic River Cleanup event held		Conservation/DPW (Kelly Kerrigan)	Spring 2018	April 27, 2019	<i>See Attached flyer. Participants picked up garbage from local parks, beaches, open spaces, and watercourses.</i>
2.2b Regular Cleanups at Parks by Conservation Commission	<i>On-going</i>	No activity 2019	-Number of events -Total number of participants	Conservation/DPW (Kelly Kerrigan)	September 2017	Feb 2017 and Apr 2017	<i>No activity 2019</i>
2.2b Hold a "Household Hazardous Waste Day" Event	<i>Complete and ongoing biennially</i>	Household Hazardous Waste Collection held. 98 full car loads, 197 half car loads processed.	-Number of vehicles processed	Conservation/DPW (Kelly Kerrigan)	October 2017	November 16, 2019	<i>See Attached flyer. Biennial Household Hazardous Waste Collection will be conducted in 2021</i>
2-3 Establish stormwater committee	<i>Complete</i>	Town Planner added to committee.	<i>Provide forum to coordinate SWMP implementation across depts. and commissions</i>	Conservation (Kelly Kerrigan), Engineering (John Casey)	-	<i>Nov 1, 2017</i>	
2-4 Establish volunteer tree planting program	<i>Complete</i>	No activity 2019	<i>Number of Trees purchased by public 1</i>	Conservation (Kelly Kerrigan), Engineering (John Casey)	-	<i>Oct 2017</i>	
2-5 Participation in Save the Sound's unified Water Study. The Study is assessing the quality of	<i>Complete and ongoing</i>	Completed sampling trips in the Housatonic River off of	<i>Completion of 11 planned sampling trips at 5 stations. Provide data to Save</i>	Conservation (Kelly Kerrigan), Engineering (John Casey)	-	<i>May – Oct 2018</i>	Third year of participation completed for 2019 season. Participation in this

embayments in Long Island Sound.		Stratford for the 2019 sampling	<i>the Sound for their water quality reporting</i>				program will continue provided funding and equipment is once again made available.
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Extra space for describing above BMP activities, if needed:

BMP	

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

<p>Hold quarterly stormwater committee meetings to review SMP implementation progress. Town staff members will advise public committees/commission at their monthly meetings. Annual Greensweep/Housatonic River Cleanup event will be held Spring 2020 Participation in Save the Sound’s unified Water Study will continue in 2020</p>

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of Annual Report announced to public	Yes	Feb 13, 2019	http://www.townofstratford.com/qcontent/NewsFeed.aspx?FeedID=2372
Greensweep: # of volunteers attending, Total tonnage of material collected	Yes	April 27, 2019	Over 200 participants collected ~10 tons of material from local parks, beaches, open spaces, and watercourses.
Public Commission cleanup efforts: -Number of events, Total number of participants, tonnage collected	No		
Household Hazardous Waste Day- # of vehicles processed	Yes		295 cars processed

<i>Staff committee established as Conservation- new staff Kelly Kerrigan, Planning and Zoning- Jay Habansky, Town Planner- Susmitha Attota, Highway- Tom Albert, Engineering- John Casey. Meeting quarterly to review plan implementation.</i>	Yes	On-going 2019	<i>Reports to Commissions included in minutes posted monthly with Town Clerk and Town Website.</i>
<i>The Town's Conservation Department and volunteers from Conservation Commission participated in a regional effort to assess the quality of embayments in Long Island Sound. Participants are coordinated through Save the Sound and include volunteers along the CT coastline and north shore of Long Island Sound. The Stratford group was funded though the HarborWatch and the Long Island Sound Funders Collaborative to assess 5 stations in the Housatonic river for temperature, salinity, depth, dissolved oxygen, turbidity, and chlorophyll a. Twice-monthly samplings were conducted between May and October of 2019.</i>	Yes	May 2019- Oct 2019	<i>The data was provided to Save the Sound for inclusion in their study.</i>

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	Complete	Development of written IDDE program using the CT IDDE program.	Written plan of IDDE program in place	Conservation (Kelly Kerrigan) Engineering (John Casey) WPCA (Thomas Hyde) Highways (Thomas Albert)	Jul 1, 2019	2019	Town Consultant (HRP) completed IDDE program materials
3-2 Update maps of all MS4 stormwater outfalls throughout municipality	In progress	RFP developed for updating map layers to date.	Updated of GIS map layers	Engineering (John Casey)	Jul 1, 2020	Dec, 2020	outside consulting being sought
3-3 Implement citizen reporting program	Complete	<ul style="list-style-type: none"> See additional info below 	Completion of SOP for program	Conservation (Kelly Kerrigan) IT Department (David Wright)	Jul 1, 2018	10-30-18.	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 .
3-4 Establish legal authority to prohibit illicit discharges	Complete		Establishment of authority upon approval of ordinance by	Mayor (Laura Hoydick)	Jul 1, 2018	<i>Completed November 13, 2018</i>	

			Town Council				
3-5 Develop record keeping system for IDDE tracking			Development of system/database	IT Department (David Wright)	Jul 1, 2017		
3-6 Address IDDE in areas with pollutants of concern			•No. of reported and investigated IDDE in areas with pollutants of concern	Public Works (Maurice McCarthy) Blight (Richard Fredette)	July 1, 2019 and through life of permit	Dec 2020	

Extra space for describing above BMP activities, if needed:

BMP	
3-3 Implement citizen reporting program	In addition to registering a complaint on line, Citizens may also call Public Works directly and make a comment, service request, or complaint. By either means, a work order is entered into our new work tracking system, Building Engines, and it is assigned to the appropriate staff for follow up.

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

3.2 Consultant will be engaged to perform another map update in 2020
3.3 Bruce Brook cleanup effort and IDDE investigation conducted by Harbor Watch in coordination with the City of Bridgeport will continue.
IDDE training will be provided to town staff as part of IDDE reporting program.

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

Date of Report	Location / suspected source	Response taken
01/02/2019	<i>10 Sunset Avenue</i>	<i>Oily water was observed being pumped from the property toward a catch basin. CT DEEP was called to file an Oil and Chemical Spill Report, and an NOV was issued pursuant to the Town of Stratford Stormwater Ordinance. No response was received from the owner, and the Town ultimately foreclosed on one of the parcels.</i>

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

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
Bruce Brook in vicinity of Boston Ave	Fall 2019	Bruce Brook	unknown	Unknown	City of Bridgeport identified SSO or CSO and corrected	Yes
Bruce Brook opposite St Michaels Cemetary	November 21, 2019 11:50am	Bruce Brook	unknown	Property on Read Street, Bridgeport	Intermittent milky white fluid from BPT storm. Reported to City of Bridgeport for follow up. Source under investigation. City of Bridgeport has plugged the illicit discharge.	No
19 Shore Road	October 16, 2019	Housatonic River	Unknown	Unknown	Source under investigation.	No
Frash Pond, Between Access Road & Main Street	November 5, 2019	Frash Pond	Unknown	Unknown	Source under investigation	No
350 Barnum Avenue Cutoff	December 2, 2019	MS4	Unknown	Unknown	Sorbent booms deployed in down-gradient storm drain access areas.	No
40 California Street	December 6, 2019	Tanners Brook	Unknown	Unknown	Source under investigation	No

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

Building Engines work order system is used by Highway and Conservation Divisions to track, investigation and follow up of IDDE detection.

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
178 Manor Hill Road, residential	System repaired	None identified
222 Meadowmere Drive, residential	System repaired	None identified

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	<i>#264 (4 Outfalls never visited, 10 inaccessible outfalls, 14 outfalls need revisiting, 30 outfalls not located)</i>
Estimated or actual number of interconnections	<i>#Unknown</i>
Outfall mapping complete	<i>90%</i>
Interconnection mapping complete	<i>0%</i>
System-wide mapping complete (detailed MS4 infrastructure)	<i>85%</i>
Outfall assessment and priority ranking	<i>1%</i>
Dry weather screening of all High and Low priority outfalls complete	<i>#78% (205 DWS complete outfalls)</i>

	<i>out of 264 total city outfalls)</i>
Catchment investigations complete	<i>#none</i>
Estimated percentage of MS4 catchment area investigated	<i>0%</i>

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).

March 7, 2019. Training covered stormwater pollution prevention, including potential sources, control measures, materials management, inspections, and reporting. Additional employee training is being coordinated for 2020.

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	<ul style="list-style-type: none"> See table below for details 	Making appropriate changes and updates to land use regulations	CAO (Chris Tymniak)	Jul 1, 2019	<ul style="list-style-type: none"> Unknown 	
4-2 Develop/Implement model for interdepartmental coordination in site plan review and approval	In progress	<i>All land use applications are sent to various departments for staff comments prior to hearings</i>	interdepartmental coordination in site plan review 78 applications referred for review 2019.	Zoning (Jay Habansky)	Jul 1, 2018	<i>Continuation of existing practice therefore completed July 1, 2017</i>	<i>78 applications have been referred to various departments in 2019</i>
4-3 Review site plans for stormwater quality concerns	On-Going	<i>All land use applications are sent to Engineer for staff comments prior to hearings.</i>	Completion of reviews. 78 applications referred for review 2019	Zoning (Jay Habansky) Engineering (John Casey) Conservation (Kelly Kerrigan)	July 1, 2017 and continue through life of permit	<i>Continuation of existing practice completed through Dec 2019</i>	<i>78 applications have been referred to Engineering staff in 2019</i>

4-4 Conduct site inspections to ensure compliance with MS4, stormwater management plan, and sediment and erosion control requirements	On-Going	Site inspections for site development in compliance with the permit continue	Conduct inspections 17 compliance inspections by ZEO for 2018. Inspection log attached.	Zoning (Jay Habansky) Conservation (Kelly Kerrigan)	July 1, 2017 and continue through life of permit	<i>Continuation of existing practice therefore completed July 1, 2017</i>	Inspection process developed by ZEO. (Inspection list 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)	July 1, 2017 and continue through life of permit	<i>Continuation of existing practice therefore completed July 1, 2017</i>	<i>Public comment is always offered at every public hearing for site plan review</i>
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	<i>Complete</i>	developers provided necessary information in permit application packages for site development	Continue to provide developers with necessary information in permit application package	Zoning (Jay Habansky) Buildings (Brian Donovan) Engineering (John Casey) Conservation (Kelly Kerrigan)	July 1, 2017 and continue through life of permit	Continuation of existing practice completed through Dec 2019	<i>See Attached</i>
4-7 Develop stormwater compliance checklist	<i>In progress</i>	<i>Flagging system developed for on line permitting</i>	<i>Standardize plan review</i>	Zoning (Jay Habansky)	-Dec 2018	<i>2020</i>	<i>Flagging system will be able to generate report of projects with increase of DCIA.</i>

Extra space for describing above BMP activities, if needed:

BMP	
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Several meetings held with Town Attorney and CAO to review sample guidance language from CLEAR and discuss implementation strategies including manpower requirements / staffing. No decisions were made regarding Land Use Regulation updates or Ordinance updates at this time. No decisions were made regarding staffing commitments for enforcing the current or future legal authorities above the current practices.

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

Add an Impervious Area question to e-permit process for building, zoning or engineering permit applications. This will enable reporting on which projects are increasing impervious areas each year.

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		<ul style="list-style-type: none"> See table below for details - 	Incorporation of LID in to land use regulatory framework	Town Attorney (Chris Hodgson)	Jul 1, 2019	unknown	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	On-Going	Plans reviewed and recommendations made toward meeting Town goals for LID/runoff mitigation.	Inspect developments for LID/runoff compliance	Engineering (John Casey) Zoning (Jay Habansky Conservation (Kelly Kerrigan))	Jul 1, 2019 and continue through life of permit	N/A	<i>Inspections of construction of approved plans are completed by the responsible town dept.</i>
5-3a Update Identify retention and detention ponds in priority areas	Complete			Engineering (John Casey)	Dec, 2018 and on-going	Next update forthcoming March 2020	
5-3b Implement long-term maintenance plan for stormwater basins and treatment structures			Creation of maintenance plan document	Highways (Thomas Albert)	Jul 1, 2019		
5-4 DCIA mapping	In progress		2018:coordinate effort with MetroCOG 2020: complete mapping	Engineering (John Casey)	Jul 1, 2020		

5-5 Address post-construction issues in areas with pollutants of concern	On-Going		Create Regulations and reporting procedures in place to ensure initial and long-term compliance	Zoning (Jay Habansky) Conservation (Kelly Kerrigan)	Not specified		
5-6 Open space grant	<i>In progress</i>	<i>Grant applied for open space acquisition</i>	<i>Acreage of property purchased</i>	Planning/Zoning (Jay Habansky) Conservation (Kelly Kerrigan)	-	<i>Jul 1 2019</i>	<i>Town awarded Open Space Grant in January 2020 for Tomasco property adjacent to existing municipal park. Town in negotiations to move forward on acquisition.</i>

Extra space for describing above BMP activities, if needed:

BMP	
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	Met several times with Town Attorney, Chief Administrative Officer and members of Stormwater committee to review the scope, language, and implementation responsibilities for changes included in guidance obtained from UCONN CLEAR / NEMO website for Construction Site legal authority. No decisions have been made regarding new regulatory language or inclusion of additional language or standards into the current town development regulations. No decisions were made regarding staffing commitments for enforcing the current or future legal authorities above the current practices.

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

<p>5-1, 2 Establish and/or update legal authority, guidelines and regulations regarding LID and runoff reduction in development</p> <p>5-3b Implement long-term maintenance plan for stormwater basins and treatment structures- Update facilities list with added structures March 2020</p> <p>5.4 2020: complete mapping</p> <p>5.6 Complete previously initiated Open space acquisitions.</p>
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5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	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.

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	<i>Ongoing</i>	The Town contracted with a consultant to administer training to Town employees.	Training conducted	Conservation (Kelly Kerrigan)	Jul 1, 2019	March 7 2019	Additional training is being scheduled for 2020
6-2 Implement MS4 property and operations maintenance	Complete and Ongoing	<ul style="list-style-type: none"> See table below for details 	Change to Eco friendly "Safe n' Sure" ice melt in use at all town facilities.	Public Works (Maurice McCarthy)	Jul 1, 2018 and continue through life of permit	Jul 1, 2018 and Ongoing	A. Fertilizer was only used at a few sports complexes and Town Hall. No fertilizer is being used on school grounds. B. The material is taken to the transfer station where it is hauled by an outside contractor.
6-3 Implement coordination with interconnected MS4s	<i>On-going</i>	<ul style="list-style-type: none"> See table below for details 	Meeting with operators of interconnected MS4s and coordinating efforts to achieve BMPs	Conservation (Kelly Kerrigan) Engineering (John Casey) Zoning (Jay Habansky)	July 1, 2021	<i>Dec 2018 and Ongoing</i>	
6-4 Develop/implement program to control other sources of pollutants to the MS4			Develop/implement program	Public Works (Maurice McCarthy)	July 1, 2021		
6-5 Evaluate additional measures for discharges to impaired waters*			Report on additional measure being undertaken	Public Works (Maurice McCarthy) Zoning (Jay Habansky)	July 1, 2019		
6-6 Track projects that disconnect DCIA	Ongoing		Continuously maintained spreadsheet of disconnect projects	Zoning (Jay Habansky) Engineering (John Casey)	July 1, 2017	On-going	

6-7 Implement infrastructure repair/rehab program	In Progress		Update/implement program	Highways (Thomas Albert) Engineering (John Casey)	Jul 1, 2020		
6-8a Develop plan to identify/prioritize retrofit projects			2020: Develop retrofit plan	Engineering (John Casey) Conservation (Kelly Kerrigan)	Jul 1, 2020		<i>This task will be coordinated for 2020.</i>
6-8b Implement retrofit projects to disconnect 2% of DCIA			2022: Implement retrofit projects	Engineering (John Casey) Conservation (Tina Senft-Batoh)	Jul 1, 2022		
6-9 Assess/modify street sweeping program	<i>Complete and Ongoing</i>	<i>Map to track streets swept on a daily basis</i>	Modify program to comply with MS4 General Permit	Highways (Thomas Albert)	Jul 1, 2018	<i>11/2018 & ongoing/ Yearly</i>	<i>All streets are swept once in town. Main roads are done once and again on a as needed basis</i>
6-10 Assess/modify catch basin cleaning program	<i>Complete and Ongoing</i>	<i>Developed Standard Operating Procedure for cleaning CB's and critical stream locations.</i>	Inspect all town catch basins by 2020	Highways (Thomas Albert)	Jul 1, 2020	<i>Sept 2018 SOP's instituted</i>	<i>See attached SOP for CB and stream cleaning</i>
6-12 Assess/modify snow management practices			Modify program to comply with MS4 General Permit	Highways (Thomas Albert)	Jul 1, 2019		
6-13 Identify highly erosive areas in town ROW	<i>Not started</i>	<i>Collect information on eroding areas in ROW from highway maintenance personnel over course of normal operations</i>	<i>ID areas contributing large volume of sediment to town waterbodies</i>	<i>Highways (Thomas Albert) Conservation (Kelly Kerrigan)</i>	-	<i>Jul 1, 2020</i>	<i>Reason for addition: Reduce sedimentation of waterways near town ROWs</i>

Extra space for describing above BMP activities, if needed:

BMP	
6-3 Implement coordination with interconnected MS4s	<i>The Conservation Superintendent and the Stratford Health Department regularly meets and coordinates with Harbor Watch, Stratford Engineering, and the City of Bridgeport regarding the Bruce Brook watershed and stormwater inputs. Portions of Bruce Brook form the municipal boundary between Bridgeport and Stratford. Pollution sources are identified, tracked, and ultimately remediated. Dye tests were conducted in an area of Broadbridge Avenue that outlets to Bruce Brook. No cross connection found with sanitary. DPW worked with Shelton to determine the areas of responsibility for cleanup along Far Mill River. The Town will continue to work with Harbor Watch and the City of Bridgeport to track down the sources of pollution.</i>
6-2 Implement MS4 property and operations maintenance	<i>A. -Reduced Fertilizer use at town facilities B. -Parks Department continues to pick up bagged leaves and grass clippings from residences. C. -Leaf and grass clippings from municipal properties are mulched on-site by the Parks Department D.- The Parks Department uses eco friendly ice melt town wide</i>

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

Conservation Dept will coordinate with City of Shelton on Cemetery Brook / Cranberry Pond coliform investigation.

Continue to work with Harbor Watch, Soundkeeper, and City of Bridgeport to reduce pollution of Bruce Brook.

Training to be coordinated and scheduled for Town Staff for 2020.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	<i>Training provided by consultant on March 7, 2019</i>
Street sweeping	
Curb miles swept	<i>500 est miles</i>
Volume (or mass) of material collected	<i>~300 tons</i>
Catch basin cleaning	
Total catch basins in priority areas	<i>#5500</i>
Total catch basins in MS4	<i>#5500</i>
Catch basins inspected	<i>#600</i>
Catch basins cleaned	<i>#600</i>
Volume (or mass) of material removed from all catch basins	<i>100 tons</i>

Volume removed from catch basins to impaired waters (if known)	<i>Not tracked separate</i>
Snow management	
Type(s) of deicing material used	<i>Straight salt</i>
Total amount of each deicing material applied	<i>2500 tons</i>
Type(s) of deicing equipment used	<i>spreaders</i>
Lane-miles treated	<i>400 miles per storm</i>
Snow disposal location	<i>N/A</i>
Staff training provided on application methods & equipment	<i>Yes: on the job training for new employees</i>
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	<i>Restricted fertilizer use to Town Hall and a few municipal sports complexes</i>
Reduction in turf area (since start of permit)	<i>0 acres</i>
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	<i>\$ N/A</i>

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. [\[Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report\]](#)

No storm drain improvements made in 2019. A new bid is being prepared for 2020 construction.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. [\[Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report.\]](#)

Work in coordination with Town parking lot restorations to incorporate DCIA separation working into restoration work performed by the DPW.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. [\[Provide information if available in 2018 report. Section to be completed for the 2019 Annual Report.\]](#)

Continue to work in coordination with Town parking lot restorations to incorporate DCIA separation working into restoration work performed by the DPW.

Part II: Impaired waters investigation and monitoring

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.

**2/3 of the know town outfalls have been monitored during 2019.
An additional round of monitoring will be conducted in the summer of 2020.**

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?
BRB-OF-0043CB	4-12-18	Bacteria	- <i>E. coli</i> 4200 CFU/100ml		Yes
BRB-OF-0043CB	5-22-18	Bacteria	- <i>E. coli</i> 7800 CFU/100ml		Yes

BRB-OF-0043CB	6-25-18	Bacteria	- <i>E. coli</i> 3200 CFU/100ml		Yes
BRB-OF-0043CB	7-16-18	Bacteria	- <i>E. coli</i> - CFU/100ml		Yes
BRB-OF-0043CB	8-22-18	Bacteria	- <i>E. coli</i> 8400 CFU/100ml		Yes
BRB-OF-0043CB	8-29-18	Bacteria	- <i>E. coli</i> 33000 CFU/100ml		Yes
BRB-OF-0037	8-22-18	Bacteria	- <i>E. coli</i> 280 CFU/100ml		Yes
BRB-OF-0040CB	8-22-18	-	- <i>E. coli</i> stagnant CFU/100ml		Yes
Old Spring Rd	8-22-18	Bacteria	- <i>E. coli</i> 2000 CFU/100ml		Yes
BRB-OF-0016	8-22-18	-	- <i>E. coli</i> Dry CFU/100ml		Yes
Bunnell Ave	8-22-18	Bacteria	- <i>E. coli</i> 900 CFU/100ml		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	- <i>E. coli</i> 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	- <i>E. coli</i> 240 CFU/100ml	EML	No
Linden	10-4-10	Nitrogen	TN -0.81 mg/l	EML	No
		Phosphorus	TP- 0.18mg/	EML	No
		Bacteria	<i>E. coli</i> 500	EML	No

			CFU/100ml		
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 CFU/100ml	EML	No
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

		<i>Bacteria</i>	<i>E. coli</i> 2400 CFU/100ml	EML	No
Park/Maple	9-20-14	<i>Nitrogen</i>	TN -0.74 mg/l	EM	No
		<i>Phosphorus</i>	TP- 0.14mg/l	EML	No
		<i>Bacteria</i>	- <i>E. coli</i> 984 CFU/100ml	EML	No
Monroe	9-20-14	<i>Nitrogen</i>	TN -3.6 mg/l	EML	No
		<i>Phosphorus</i>	TP- 0.90mg/l	EML	No
		<i>Bacteria</i>	- <i>E. coli</i> 426 CFU/100ml	EML	No
Linden	9-20-14	<i>Nitrogen</i>	TN 3.0 mg/l	EML	No
		<i>Phosphorus</i>	TP- 0.20mg/	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 1412 CFU/100ml	EML	No
Ryders	9-20-14	<i>Nitrogen</i>	TN -28.00 mg/	EML	No
		<i>Phosphorus</i>	TP- 7.15mg	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 720 CFU/100ml	EML	No
Garfield	9-20-14	<i>Nitrogen</i>	TN -1.22 mg/	EML	No
		<i>Phosphorus</i>	TP- 0.20mg	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 1480 CFU/100ml	EML	No
Sunset	9-20-14	<i>Nitrogen</i>	TN -1.16 mg/	EML	No
		<i>Phosphorus</i>	TP- 0.26mg	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 650 CFU/100ml	EML	No
Park/Maple	7-31-15	<i>Nitrogen</i>	TN -1.16 mg/l	EM	No
		<i>Phosphorus</i>	TP- 0.20mg/l	EML	No
		<i>Bacteria</i>	- <i>E. coli</i> 184 CFU/100ml	EML	No
Monroe	7-31-15	<i>Nitrogen</i>	TN -1.72 mg/l	EML	No
		<i>Phosphorus</i>	TP- 0.32mg/l	EML	No
		<i>Bacteria</i>	- <i>E. coli</i> 688 CFU/100ml	EML	No
Linden	7-31-15	<i>Nitrogen</i>	TN 2.3 mg/l	EML	No
		<i>Phosphorus</i>	TP- 0.22mg/	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 108 CFU/100ml	EML	No
Ryders	7-31-15	<i>Nitrogen</i>	TN -0.76 mg/	EML	No
		<i>Phosphorus</i>	TP- 0.15mg	EML	No
		<i>Bacteria</i>	<i>E. coli</i> 164	EML	No

			CFU/100ml		
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

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-0048	3/19/2019	<0.10 mg/l	0.01 mg/l	285 uS/cm	0.2 ppt	E. coli: >2419.6 MPN/100ml	<0.05 mg/l	8.2 C	N/A	

BRB-OF-0020	3/19/2019	<0.10 mg/l	Not detected	278.6 uS/cm	0.2 ppt	<i>E. coli</i> : >2419.6 MPN/100ml	<0.05 mg/l	5.3 C	N/A	
BRB-OF-0050	3/19/2019	<0.10 mg/l	Not detected	246.3 uS/cm	0.2 ppt	<i>E. coli</i> : >2419.6 MPN/100ml	<0.05 mg/l	3.4 C	N/A	
BRB-OF-0017	3/19/2019	<0.10 mg/l	Not detected	570 uS/cm	0.4 ppt	<i>E. coli</i> : <1 MPN/100ml	<0.05 mg/l	7.8 C	N/A	
BRB-OF-0004	3/19/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0018	3/19/2019	0.35 mg/l	Not detected	298.7 uS/cm	0.2 ppt	<i>E. coli</i> : <1 MPN/100ml	0.051 mg/l	10.1 C	N/A	
BRB-OF-0021	3/19/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0045a	3/19/2019	<0.10 mg/l	Not detected	276.6 uS/cm	0.2 ppt	<i>E. coli</i> : 41.0 MPN/100ml	<0.05 mg/l	10.1 C	N/A	
BRB-OF-0049	3/19/2019	0.31 mg/l	0.02 mg/l	394.6 uS/cm	0.3 ppt	<i>E. coli</i> : 154.10 MPN/100ml	0.071 mg/l	10.7 C	N/A	
BRB-OF-0024	3/19/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0051	3/19/2019	3.30 mg/l	0.01 mg/l	584 uS/cm	0.4 ppt	<i>E. coli</i> : >2419.6 MPN/100ml	2.60 mg/l	11.1 C	N/A	
BRB-OF-0003S	3/19/2019	-	-	-	-	-	-	-	<i>E. coli</i>	
BRB-OF-0023	3/19/2019	0.82 mg/l	0.01 mg/l	343.6 uS/cm	0.2 ppt	<i>E. coli</i> : >2419.6 MPN/100ml	0.25 mg/l	11.5 C	<i>E. coli</i>	
BRB-OF-0010	3/19/2019	<0.10 mg/l	0.01 mg/l	160.1 uS/cm	0.1 ppt	<i>E. coli</i> : 159.7 MPN/100ml	0.075 mg/l	11.3 C	N/A	
BRB-OF-0003N	3/19/2019	-	-	-	-	-	-	-	<i>E. coli</i>	
BRB-OF-0005	3/20/2019	-	-	-	-	-	-	-	N/A	
Outfall / Interconnection ID	Screening / Sample Date	Ammonia	Chlorine*	Conductivity	Salinity	<i>E. coli</i> or Enterococcus	Surfactants	Water Temp	Pollutant of Concern	If required, follow-up actions taken
BRB-OF-0008	3/20/2019	<0.10 mg/l	0.31 mg/l	316.5 uS/cm	0.2 ppt	<i>E. coli</i> : <1 MPN/100ml	<0.05 mg/l	7.2 C	N/A	
BRB-OF-0015	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0006	3/20/2019	<0.10 mg/l	Not detected	228.0 uS/cm	0.2 ppt	<i>E. coli</i> : 1.0 MPN/100ml	<0.05 mg/l	6.4 C	N/A	
BRB-OF-0037	3/20/2019	<0.10 mg/l	Not detected	147.1 uS/cm	0.1 ppt	<i>E. coli</i> : 3.1 MPN/100ml	<0.05 mg/l	6.81 C	N/A	

BRB-OF-0052	3/20/2019	<0.10 mg/l	0.01 mg/l	209.0 uS/cm	0.1 ppt	<i>E. coli</i> : 1.0 MPN/100ml	<0.05 mg/l	7.6 C	N/A	
BRB-OF-0012	3/20/2019	<0.10 mg/l	Not detected	236.6 uS/cm	0.2 ppt	<i>E. coli</i> : 6.3 MPN/100ml	<0.05 mg/l	5.2 C	N/A	
BRB-OF-0040	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0014	3/20/2019	<0.10 mg/l	0.01 mg/l	459.0 uS/cm	0.3 ppt	<i>E. coli</i> : 14.6 MPN/100ml	<0.05 mg/l	8.9 C	N/A	
BRB-OF-0039	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0042	3/20/2019	<0.10 mg/l	Not detected	294.8 uS/cm	0.2 ppt	<i>E. coli</i> : 125.9 MPN/100ml	<0.05 mg/l	8.6 C	N/A	
BRB-OF-0009	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0041	3/20/2019	<0.10 mg/l	0.01 mg/l	244.2 uS/cm	0.2 ppt	<i>E. coli</i> : 5.2 MPN/100ml	<0.05 mg/l	8.8 C	N/A	
BRB-OF-0034	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0035	3/20/2019	<0.10 mg/l	0.06 mg/l	289.2 uS/cm	0.2 ppt	<i>E. coli</i> : 11.0 MPN/100ml	<0.05 mg/l	10.2 C	N/A	
BRB-OF-0033	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0032	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0031	3/20/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0026	3/27/2019	-	-	-	-	-	-	-	N/A	
Outfall / Interconnection ID	Screening / Sample Date	Ammonia	Chlorine*	Conductivity	Salinity	<i>E. coli</i> or Enterococcus	Surfactants	Water Temp	Pollutant of Concern	If required, follow-up actions taken
BRB-OF-0015CB	3/27/2019	<0.10 mg/l	0.01 mg/l	261.1 uS/cm	0.2 ppt	<i>E. coli</i> : 1553.1 MPN/100ml	<0.05 mg/l	7.2 C	N/A	
BRB-OF-0005CB	3/27/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0009CB	3/27/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0029CB	3/27/2019	-	-	-	-	-	-	-	N/A	
BRB-OF-0007CB	3/27/2019	-	-	-	-	-	-	-	N/A	

BRB-OF-0039CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0054CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0038CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0011CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0034CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0036CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0033CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0032MH	3/27/2019	0.35 mg/l	Not detected	194.3 uS/cm	0.1 ppt	E. coli: 5.2 MPN/100ml	<0.05 mg/l	9.2 C	N/A		
BRB-OF-0031CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0022CB	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0003SMH	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0016	3/27/2019	-	-	-	-	-	-	-	-	N/A	
BRB-OF-0044	3/27/2019	-	-	-	-	-	-	-	-	N/A	
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-0043CB	3/27/2019	<0.10 mg/l	0.14 mg/l	316.4 uS/cm	0.2 ppt	E. coli: 1119.9 MPN/100ml	<0.05 mg/l	10.7 C	N/A		
BRB-OF-0040	3/27/2019	-	-	-	-	-	-	-	N/A		
LWG-OF-0008	10/18/2019	-	-	-	-	-	-	-	Enterococcus, Fecal Coliform, Nitrogen & Phosphorus		
LWG-OF-0003	10/18/2019	-	-	-	-	-	-	-	Enterococcus, Fecal Coliform, Nitrogen & Phosphorus		
LWG-OF-0002	10/18/2019	-	-	-	-	-	-	-	Enterococcus, Fecal Coliform, Nitrogen & Phosphorus		

<i>LWG-OF-0001</i>	10/18/2019	-	-	-	-	-	-	-	-	<i>Enterococcus, Fecal Coliform, Nitrogen & Phosphorus</i>	
<i>SWS-OF-0006</i>	10/18/2019	-	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>	
<i>SWS-OF-0006MH</i>	10/18/2019	-	-	-	-	-	-	-	-	N/A	
<i>SWS-OF-0005</i>	10/18/2019	-	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>	
<i>SWS-OF-0004</i>	10/18/2019	-	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>	
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	
<i>SWS-OF-0003</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>SWS-OF-0002a</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>SWS-OF-0002</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>SWS-OF-0001</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0002</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0003</i>	10/18/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0007</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0023</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0010</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		

<i>HRS-OF-0012</i>	10/25/2019	-	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>	
<i>HRS-OF-0024</i>	10/25/2019	-	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>	
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	
<i>HRS-OF-0024MH</i>	10/25/2019	-	-	-	-	-	-	-	N/A		
<i>HRS-OF-0025</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0015</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0022</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0018a</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0018</i>	10/25/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRN-OF-0094</i>	10/25/2019	-	-	-	-	-	-	-	<i>E. coli, Nitrogen & Phosphorus</i>		
<i>HRN-OF-0001</i>	10/25/2019	-	-	-	-	-	-	-	N/A		
<i>HRN-OF-0082</i>	10/25/2019	-	-	-	-	-	-	-	N/A		
<i>HRN-OF-0083</i>	10/25/2019	-	-	-	-	-	-	-	N/A		
<i>HRN-OF-0004</i>	10/25/2019	-	-	-	-	-	-	-	N/A		
<i>HRS-OF-0019</i>	11/7/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
<i>HRS-OF-0019MH</i>	11/7/2019	-	-	-	-	-	-	-	N/A		
<i>HRS-OF-0026</i>	11/7/2019	-	-	-	-	-	-	-	<i>Enterococcus & Fecal Coliform</i>		
Outfall / Interconnection	Screening / Sample Date	Ammonia	Chlorine*	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of Concern	If required, follow-up	

ID										actions taken
HRN-OF-0002	11/7/2019	1.81 mg/l	0.1 mg/l	330.7 uS/cm	0.2 ppt	<i>E. coli</i> : >24200 MPN/100ml	1.45 mg/l	14.8 C	<i>E. coli</i> , Total Nitrogen (8.26 mg/l) & Total Phosphorus (0.509 mg/l)	
HRN-OF-0080	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0003MH	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0078CB	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0003	11/7/2019	-	-	-	-	-	-	-	<i>E. coli</i> , Nitrogen & Phosphorus	
HRN-OF-0078	11/7/2019	-	-	-	-	-	-	-	<i>E. coli</i> , Nitrogen & Phosphorus	
HRN-OF-0079	11/7/2019	<0.05 mg/l	Not detected	285.4 uS/cm	0.1 ppt	<i>E. coli</i> : 529 MPN/100ml	0.12 mg/l	12.6 C	<i>E. coli</i> , Total Nitrogen (3.47 mg/l) & Total Phosphorus (0.047 mg/l)	
HRN-OF-0081	11/7/2019	<0.05 mg/l	Not detected	490 uS/cm	0.2 ppt	<i>E. coli</i> : 231 MPN/100ml	<0.05 mg/l	14.6 C	N/A	
HRN-OF-0005	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0084	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0007	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0006	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0068	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0010	11/7/2019	-	-	-	-	-	-	-	N/A	
Outfall / Interconnection ID	Screening / Sample Date	Ammonia	Chlorine*	Conductivity	Salinity	<i>E. coli</i> or Enterococcus	Surfactants	Water Temp	Pollutant of Concern	If required, follow-up actions taken
HRN-OF-0011	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0012	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0026	11/7/2019	-	-	-	-	-	-	-	N/A	
HRN-OF-0022	11/7/2019	-	-	-	-	-	-	-	N/A	

HRN-OF-0077	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0067	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0075	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0014	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0075CB	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0014MH	11/7/2019	<0.05 mg/l	0.1 mg/l	397.5 uS/cm	0.2 ppt	<i>E. coli</i> : 31 MPN/100ml	0.06 mg/l	11.7 C		N/A	
HRN-OF-0074	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0066	11/7/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0061	11/15/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0083	11/15/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0084	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0061MH	11/15/2019	0.07 mg/l	Not detected	516 uS/cm	0.3 ppt	<i>E. coli</i> : <10 MPN/100ml	<0.05 mg/l	12.7 C		N/A	
PGB-OF-0061	11/15/2019	-	-	-	-	-	-	-	-	N/A	
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
PGB-OF-0024	11/15/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0046	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0064	11/15/2019	<0.05 mg/l	Not detected	307.8 uS/cm	0.1 ppt	<i>E. coli</i> : 1420 MPN/100ml	<0.05 mg/l	10.6 C		N/A	
PGB-OF-0031	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0065a	11/15/2019	-	-	-	-	-	-	-	-	N/A	

HRN-OF-0065b	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0065aMH	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0029	11/15/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0051	11/15/2019	0.11 mg/l	Not detected	289 uS/cm	0.14 ppt	E. coli: 663 MPN/100ml	<0.05 mg/l	11.95 C	N/A		
HRN-OF-0013	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0015	11/15/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0015CB E	11/15/2019	<0.05 mg/l	Not detected	363.7 uS/cm	0.2 ppt	E. coli: 63 MPN/100ml	<0.05 mg/l	15.4 C	N/A		
HRN-OF-0015CB N	11/15/2019	0.06 mg/l	Not detected	376.9 uS/cm	0.2 ppt	E. coli: 74 MPN/100ml	<0.05 mg/l	12.8 C	N/A		
PGB-OF-0054	11/15/2019	<0.05 mg/l	Not detected	709 uS/cm	0.35 ppt	E. coli: <10 MPN/100ml	<0.05 mg/l	11.22 C	N/A		
HRN-OF-0016	11/15/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0053	11/15/2019	-	-	-	-	-	-	-	-	N/A	
LWG-OF-0035	12/6/2019	-	-	-	-	-	-	-	-	N/A	
LWG-OF-0031	12/6/2019	-	-	-	-	-	-	-	-	N/A	
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	
LWG-OF-0015	12/6/2019	-	-	-	-	-	-	-	-	N/A	
LWG-OF-0015MH	12/6/2019	-	-	-	-	-	-	-	-	N/A	
LWG-OF-0033	12/6/2019	-	-	-	-	-	-	-	-	Enterococcus, Fecal Coliform, Nitrogen & Phosphorus	
LWG-OF-0034	12/6/2019	-	-	-	-	-	-	-	-	Enterococcus, Fecal Coliform, Nitrogen & Phosphorus	
LWG-OF-0020	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 (<10 MPN/100ml), Total		

										Nitrogen (2.646 mg/l) & Total Phosphorus (0.194 mg/l)	
LWG-OF-0033MH	12/6/2019	-	-	-	-	-	-	-	-	N/A	
SWS-OF-0009	12/6/2019	-	-	-	-	-	-	-	-	Enterococcus & Fecal Coliform	
LWG-OF-0037	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0015	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0014	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0016	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0017	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0003	12/6/2019	-	-	-	-	-	-	-	-	N/A	
FMR-OF-0002	12/6/2019	-	-	-	-	-	-	-	-	N/A	
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	
FMR-OF-0002CB	12/6/2019	-	-	-	-	-	-	-	N/A		
FMR-OF-0008	12/6/2019	-	-	-	-	-	-	-	N/A		
FMR-OF-0007	12/6/2019	<0.05 mg/l	0.1 mg/l	350.7 uS/cm	0.2 ppt	E. coli: 31 MPN/100ml	<0.05 mg/l	9.9 C	N/A		
LWG-OF-0023	12/16/2019	-	-	-	-	-	-	-	N/A		
LWG-OF-0021	12/16/2019	-	-	-	-	-	-	-	N/A		
LWG-OF-0030	12/16/2019	-	-	-	-	-	-	-	N/A		
HRN-OF-0088	12/16/2019	0.07 mg/l	Not detected	284.8 uS/cm	0.2 ppt	E. coli: 420 MPN/100ml	0.08 mg/l	8.7 C	N/A		
HRN-OF-0087	12/16/2019	0.08 mg/l	Not detected	819 uS/cm	0.4 ppt	E. coli: 1860 MPN/100ml	<0.05 mg/l	8.8 C	N/A		
HRN-OF-0085	12/16/2019	0.10 mg/l	0.1 mg/l	370.5 uS/cm	0.2 ppt	E. coli: 959 MPN/100ml	<0.05 mg/l	9.9 C	N/A		
HRN-OF-0023	12/16/2019	-	-	-	-	-	-	-	N/A		
HRN-OF-0025	12/16/2019	-	-	-	-	-	-	-	N/A		
HRN-OF-0017	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		

HRN-OF-0020CB	12/16/2019	-	-	-	-	-	-	-	-	N/A	
HRN-OF-0020	12/16/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0001	12/16/2019	-	-	-	-	-	-	-	-	N/A	
PGB-OF-0002	12/16/2019	-	-	-	-	-	-	-	-	N/A	
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	
PGB-OF-0082	12/16/2019	-	-	-	-	-	-	-	N/A		
HRN-OF-0030	12/16/2019	<0.05 mg/l	0.7 mg/l	396.4 uS/cm	0.2 ppt	E. coli: 30 MPN/100ml	0.10 mg/l	9.2 C	N/A		
HRN-OF-0031	12/19/2019	-	-	-	-	-	-	-	N/A		
HRN-OF-0095	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0042	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0052	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0052CB	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0008	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0004	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0006	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0073	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0009CB	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0056	12/19/2019	-	-	-	-	-	-	-	N/A		
PGB-OF-0060	12/19/2019	-	-	-	-	-	-	-	N/A		

<i>PGB-OF-0060CB</i>	12/19/2019	-	-	-	-	-	-	-	-	N/A	
<i>PGB-OF-0058</i>	12/19/2019	-	-	-	-	-	-	-	-	N/A	
<i>PGB-OF-0057</i>	12/19/2019	-	-	-	-	-	-	-	-	N/A	
<i>PGB-OF-0080</i>	12/19/2019	-	-	-	-	-	-	-	-	<i>E. coli</i>	
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	
<i>PGB-OF-0079</i>	12/19/2019	-	-	-	-	-	-	-	N/A		
<i>PGB-OF-0078CB</i>	12/19/2019	-	-	-	-	-	-	-	N/A		
<i>PGB-OF-0078</i>	12/19/2019	-	-	-	-	-	-	-	<i>E. coli</i>		
<i>HRN-OF-0089</i>	12/19/2019	-	-	-	-	-	-	-	N/A		
<i>HRN-OF-0089CB</i>	12/19/2019	-	-	-	-	-	-	-	N/A		
<i>PGB-OF-0085</i>	12/19/2019	-	-	-	-	-	-	-	N/A		

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.**

Outfall	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)

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).

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

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.

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					<i>E. coli 4200 CFU/100ml</i>				
OLD Spring Rd	8-22-18					<i>E. coli 2000 CFU/100ml</i>				
Bruce Brook downstream Connors Lane	8-22-18					<i>E. coli 2700 CFU/100ml</i>				

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
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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	<i>Bruce Brook</i>	<i>3, 6, 8, 10</i>

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
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3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
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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
<i>BRB-OF-0037</i>	<i>CB</i>	<i>E. coli 280 CFU/100ml</i>	<i>sampling</i>	<i>8-22-18</i>		<i>No follow up needed.</i>	
<i>OLD Spring Rd</i>	<i>stream</i>	<i>Elevated E-Coli concentrations 2000</i>	<i>sampling</i>	<i>8-22-18</i>		<i>The town is continuing monitoring until source is identified</i>	
<i>Bruce Brook upstream Connors Lane</i>	<i>stream</i>	<i>Elevated E-Coli concentrations 1600</i>	<i>sampling</i>	<i>8-22-18</i>		<i>The town is continuing monitoring until source is identified</i>	
<i>Bruce Brook Bunnell Ave</i>	<i>stream</i>	<i>E. coli 900 CFU/100ml</i>	<i>sampling</i>	<i>8-22-18</i>		<i>No follow up needed</i>	
<i>BRB-OF-0016</i>	<i>CB</i>	<i>Dry CB</i>	<i>sampling</i>	<i>8-22-18</i>		<i>No follow up needed</i>	
<i>BRB-OF-0040</i>	<i>CB</i>	<i>Stagnant CB sump</i>	<i>sampling</i>	<i>8-22-18</i>		<i>No follow up needed</i>	

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:	Signature / Date:

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.

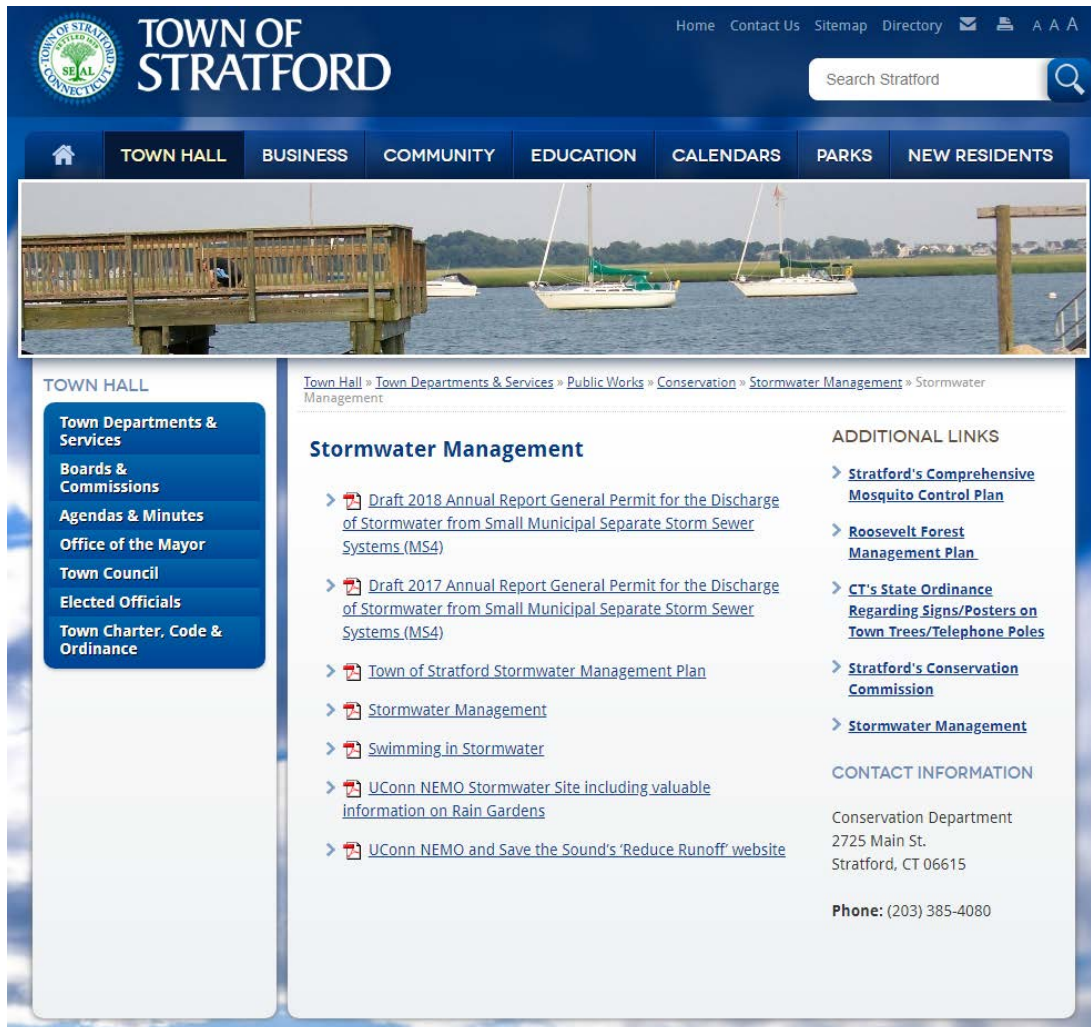
- 1. Total existing Impervious Cover (IC) on the site prior to proposed activity, in acres**
- 2. The amount of existing Directly Connected IC (DCIA) on the site prior to proposed activity, in acres**
- 3. Total IC removed as a result of the proposed project, in acres**
- 4. The amount of Directly Connected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

2/13/2019 - Annual Stormwater Permit Report Available February 15th

Annual Stormwater Permit Report Available February 15th

The Town of Stratford will make a copy of its 2018 Annual Report on Stormwater Permit compliance activities available for public inspection by the end of the day on February 15, 2019. The Annual Report will be available for inspection on the Town Website at www.townofstratford.com/stormwater, the Stratford Public Library, and the Town Clerk's office at Town Hall.

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.



The screenshot shows the Town of Stratford website. At the top, there is a navigation bar with links for Home, Contact Us, Sitemap, and Directory. The main header features the Town of Stratford logo and a search bar. Below the header is a menu with categories: TOWN HALL, BUSINESS, COMMUNITY, EDUCATION, CALENDARS, PARKS, and NEW RESIDENTS. A banner image shows a wooden pier and sailboats on a lake. The main content area is titled "Stormwater Management" and includes a list of links to various reports and plans, such as the "Draft 2018 Annual Report General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)". There is also a section for "ADDITIONAL LINKS" and "CONTACT INFORMATION" for the Conservation Department.

TOWN OF STRATFORD

Home Contact Us Sitemap Directory

Search Stratford

TOWN HALL BUSINESS COMMUNITY EDUCATION CALENDARS PARKS NEW RESIDENTS

TOWN HALL

- Town Departments & Services
- Boards & Commissions
- Agendas & Minutes
- Office of the Mayor
- Town Council
- Elected Officials
- Town Charter, Code & Ordinance

Town Hall » Town Departments & Services » Public Works » Conservation » Stormwater Management » Stormwater Management

Stormwater Management

- Draft 2018 Annual Report General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)
- Draft 2017 Annual Report General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)
- Town of Stratford Stormwater Management Plan
- Stormwater Management
- Swimming in Stormwater
- UConn NEMO Stormwater Site including valuable information on Rain Gardens
- UConn NEMO and Save the Sound's 'Reduce Runoff' website

ADDITIONAL LINKS

- Stratford's Comprehensive Mosquito Control Plan
- Roosevelt Forest Management Plan
- CT's State Ordinance Regarding Signs/Posters on Town Trees/Telephone Poles
- Stratford's Conservation Commission
- Stormwater Management

CONTACT INFORMATION

Conservation Department
2725 Main St.
Stratford, CT 06615

Phone: (203) 385-4080

WORKING TOGETHER FOR A CLEANER **GREENER** PLACE TO LIVE.



APRIL 27, 2019

8:00AM TO 2:00 PM

STRATFORD: Birdseye St. Boat Ramp | **SHELTON:** Sunnyside Boat Ramp

Please contact us with questions or to Register your Group

Phone: 203-986-0883 | Email: HRCUteam@gmail.com

WE ARE SEEKING VOLUNTEERS.

Any age. Groups and organizations welcome.

Students this is a great way to get your Community Service Hours

- ✓ Volunteers will be provided with a Cleanup Logo T-Shirt
- ✓ Coffee, Refreshments and Lunch provided by our Local Sponsors
- ✓ We will provide garbage bags & work gloves .
- ✓ Help for an hour or two or stay all day .
- ✓ All participants **MUST SIGN IN** at the Birdseye St. Boat Ramp in Stratford or the Sunnyside Boat Ramp in Shelton.
- ✓ Please dress for the outdoors (water resistant footwear, work gloves, etc.)
- ✓ Got a boat or pick up truck? Bring it!
- ✓ Check us out on Facebook www.facebook.com/Housatonic-River-Clean-Up-Inc



Full 98

1/2 = 197

CUSTOMER RECEIPT:

BILL TO:

**Kelly F. Kerrigan
Environmental Conservation Superintendent
Town of Stratford
550 Patterson Avenue
Stratford, Connecticut 06614
(203) 385-4006 office
(203) 218-7745 cell**

DATE: 11/16/2019

MANIFEST NUMBER: 013912739FLE

SHIPPING DESCRIPTION:

AEROSOLS 2x3
PROPANE 1x3
FIRE EXTINGUISHER 1x5
FLAMMABLE LIQUID BULK 5x5
FLAMMABLE LIQ Y3 6x3
FLAMMABLE SOLIDS 1x5
OXIDIZING LIQUID 2x5
OXIDIZING SOLID 2x5
ORGANIC PEROXIDE 0
PESTICIDE LIQUID 3x3
PESTICIDE SOLID 2x3
NON HAZ LIQ

CORROSIVE ACID LIQUID 3x5
CORROSIVE ACID SOLID 1x5
CORROSIVE BASIC LIQUID 3x3
CORROSIVE BASIC SOLID 1x3
MERCURY 1x5
ASBESTOS 0
NICAD 1x5
LITHIUM 1x5
NICKEL HYDRIDE 0
MOTOR OIL 3
ANTIFREEZE 2

New Haz L 01

SITE ADDRESS:

550 PATTERSON AVE
STRATFORD, CT

MXI SIGNATURE:

CUSTOMER SIGNATURE:

www.mxiinc.com

LOCATIONS:

297 ZIMMERMAN LANE
LANGHORNE, PA 19047
(267)590-0043P
(267)590-0050F

6319 OLD TRAIL ROAD
ABINGDON, VA 24212
(276)628-6636P
(276)628-4435F



CUSTOMER RECEIPT:

BILL TO:

Kelly F. Kerrigan
Environmental Conservation Superintendent
Town of Stratford
550 Patterson Avenue
Stratford, Connecticut 06614
(203) 385-4006 office
(203) 218-7745 cell

DATE: 11/16/2019

MANIFEST NUMBER: START111619, STRAT111619A

SHIPPING DESCRIPTION:

CAR BATTEIRES *1x55*
FLOURSCENT BULBS *1xbox*
PROPANE 20LBS *13x20lb*

FULL HOUSEHOLDS
½ HOUSEHOLDS

SITE ADDRESS:

550 STRATFORD AVE
STRATFORD, CT

MXI SIGNATURE:

www.mxiinc.com

CUSTOMER SIGNATURE:

LOCATIONS:

297 ZIMMERMAN LANE
LANGHORNE, PA 19047
(267)590-0043P
(267)590-0050F

6319 OLD TRAIL ROAD
ABINGDON, VA 24212
(276)628-6636P
(276)628-4435F



CUSTOMER RECEIPT:

BILL TO:

Fred Gabriel • PaintCare • Director of Operations
(202) 317-0592 • fgabriel@paint.org • www.paintcare.org
901 New York Ave NW, Suite 300 West, Washington, DC 20001

DATE: 11/19/2019

MANIFEST NUMBER: STRAT111619B, STRAT111619C

SHIPPING DESCRIPTION:

LATEX PAINT FOR PROCESSING 10X53
OIL PAINT FOR FUELS 11Y3

SITE ADDRESS:

550 PATERSON AVE
STRATFORD, CT
SITE ID: CT1948

MXI SIGNATURE:

A handwritten signature in blue ink, appearing to be "Fred Gabriel", written over a horizontal line.

CUSTOMER SIGNATURE:

A large, complex handwritten signature in blue ink, written over a horizontal line.

www.mxiinc.com

LOCATIONS:

297 ZIMMERMAN LANE
LANGHORNE, PA 19047
(267)590-0043P
(267)590-0050F

6319 OLD TRAIL ROAD
ABINGDON, VA 24212
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(276)628-4435F

