

# How to complete the MS4 Annual Report template

## General Instructions

- Text highlighted yellow represents generic text to be updated.
- Example responses are provided in red text.
- Blue text specifies if a section is only required in certain reporting years.

## Completing Part I: Summary of Minimum Control Measure (MCM) Activities

- Best Management Practice (BMP) Summary tables: Each MCM section starts with a BMP Summary table. A description of what to include in each column is below.

**BMP**: Self-explanatory.

**Status**: Provide status of BMP implementation (not started, ongoing/in progress, complete).

**Activities in current reporting period**: Describe ongoing and completed BMP activities and their status (Not started, ongoing, or completed). Briefly explain if you're on schedule to meet the deadline or not. If not, explain why you don't expect to meet the deadline.

**Measurable Goal**: Provide a measurable goal for the BMP.

**Dept/Person Responsible**: Identify the lead department and responsible person for that BMP. Note if it changed from the previous year. Third parties may be listed here if they are implementing the BMP but the permittee retains responsibility for tracking the BMP.

**Due**: BMP deadline from permit.

**Date completed / projected completion date**: Actual BMP completion date or when it's scheduled to be completed.

**Additional details**: Add any additional details including reasons for overdue BMPs, specific location of BMP is applicable, reason for adding an additional BMP.

- Other Tables: Each MCM has specific data reporting requirements. Brief descriptions and/or example responses are provided for each requirement.

## Completing Part II: Impaired waters investigation and monitoring [This section required beginning in 2018]

- Brief instructions are provided for each reporting requirement throughout Part III.

- For Section 2.1 and 2.2, follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	<ul style="list-style-type: none"><li>• E. coli &gt; 235 col/100ml for swimming areas or 410 col/100ml for all others</li><li>• Total Coliform &gt; 500 col/100ml</li></ul>
Bacteria (salt waterbody)	<ul style="list-style-type: none"><li>• Fecal Coliform &gt; 31 col/100ml for Class SA and &gt; 260 col/100ml for Class SB</li><li>• Enterococci &gt; 104 col/100ml for swimming areas or 500 col/100 for all others</li></ul>
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

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

- Brief instructions are provided for each reporting requirement throughout Part IV.

## Completing Part IV: Certification - Self-explanatory

MS4 General Permit  
Town of Westport 2019 Annual Report  
Existing MS4 Permittee  
Permit Number GSM 00026  
January 1, 2019 – December 31, 2019

---

This report documents the Town of Westport’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 and outreach	<i>Ongoing</i>	<i>Expanded online stormwater management educational resources onto new Town website.</i>	<i>To inform and involve residents concerning the Town’s stormwater concerns.</i>	<i>Engineering/D. Barbieri</i>	<i>Ongoing</i>	<i>Ongoing</i>	<a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>
1-2 Address education/outreach for pollutants of concern*	<i>In progress</i>	<i>Online educational resources focused on bacterial pollution, including pet and wildlife waste abatement and proper septic maintenance.</i>	<i>To inform residents about the sources of bacterial pollution.</i>	<i>Engineering/D. Barbieri</i>	<i>Ongoing</i>	<i>Ongoing</i>	<a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>
1-3 Integrate stormwater education into public tours of the	<i>Ongoing</i>	<i>Tours for students, residents and civic organizations focusing on the sewage treatment process with emphasis on</i>	<i>Inform the public about the Town’s sewage</i>	<i>Inform the public about the Town’s sewage treatment facility.</i>	<i>Ongoing</i>		<i>Reason for addition: To inform residents of all ages about the difference between the sanitary sewer and separate storm sewer systems.</i>

Wastewater Treatment Facility.		<i>lowering nutrient and bacterial level, as well as educating about the differences in sewer and stormwater conveyance systems.</i>	<i>treatment facility..</i>				

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

*Continue ongoing expansion of online educational and stormwater resource pages.  
 Continue stormwater education at the Wastewater Treatment Facility.  
 Create a user-friendly stormwater drainage manual for Town residents.*

**1.3 Details of activities implemented to educate the community on stormwater**

<b>Program Element/Activity</b>	<b>Audience (and number of people reached)</b>	<b>Topic(s) covered</b>	<b>Pollutant of Concern addressed (if applicable)</b>	<b>Responsible dept. or partner org.</b>
Integrate stormwater education into public tours of the Wastewater Treatment Facility.	<i>Students, parents, teachers, senior, interested residents.</i>	<i>Ongoing tours for students, residents and civic organizations focusing on the sewage treatment process with emphasis on lowering nitrogen and bacterial levels, and also educating about the differences in sewer and stormwater conveyance systems.</i>	<i>Nitrogen, bacteria</i>	<i>Wastewater Treatment Facility, Water Pollution Control Authority/M.Furtado</i>
Brochures distributed at Conservation/IWW & DPW offices	<i>Contractors, realtors, architects and residents.</i>	<i>Pollutants, chemicals in stormwater runoff Septic system maintenance &amp; Fertilizer overuse.</i>	<i>Bacteria, nitrogen and phosphorus</i>	<i>Conservation Department, Department of Public Works, Sasco Brook, Long Island Sound Study, EPA</i>

4' X 8' interactive stormwater display board with brochures	<i>Contractors, residents.</i>	<i>Impact of impervious cover, pollutants, chemicals on local waters including Long Island Sound.</i>	<i>Chemicals, nutrient, and bacteria</i>	<i>Department of Public Works, Long Island Sound Study</i>
Created the, "Homeowners Questions about Drainage" handout in response to the deluge of questions posed by residents about the flow of stormwater during the major rain events.	<i>Hundreds of Town residents have been informed through discussions with the Engineering Dept. about stormwater &amp; drainage.</i>	<i>Stormwater, pollutants, drainage, surface water, groundwater.</i>	<i>All</i>	<i>Department of Public Works, Engineering Department.</i>
Mailed, "New Homeowner Letters" to the new residents of Westport, informing them of the presence, rights and regulations associated with the wetlands and/or aquifers on their property.	<i>74 Aquifer and 159 Wetland letters were mailed to new homeowners this year.</i>	<i>Discusses the role that wetlands serve in absorbing stormwater runoff and how to protect aquifers.</i>	<i>All</i>	<i>Conservation Department</i>
Posting of shellfish beds closings due to rainfall in excess of 1.5".	<i>557 Shellfish permits were issued last year. There were 11 closures – 100 total days closed due to high rainfall levels. Permit holders were informed of closures via the Conservation Department and the Bureau of Aquaculture hotline.</i>	<i>Permit holders experience the direct correlation between rainfall events, increased bacterial counts and shellfish bed closures.</i>	<i>Bacteria</i>	<i>Conservation Department, Shellfish Department, Bureau of Aquaculture</i>
Household Hazardous Waste Day	<i>Eight- town inter-community cooperative, Providing safe disposal of hazardous wastes for thousands of Connecticut residents. 8 events held annually.</i>	<i>Safe disposal of hazardous wastes .</i>	<i>Chemical pollutants, heavy metals, fertilizers, etc</i>	<i>Department of Public Works</i>
Paintcare, Paint Recycling Program	<i>Town-wide– available 6 days a week at the Town Transfer Station.</i>	<i>To provide a safe disposal option for oil and latex, paints and stains.</i>	<i>Chemical</i>	<i>Department of Public Works, Transfer station.</i>
Refuse & Septage Vehicle Licensing	<i>Refuse and Septage haulers that provide services in Westport.</i>	<i>Annual inspection to insure that all gaskets, and valve seals are intact and not leaking septage or liquid garbage waste onto Town roadways and then into storm drains.</i>	<i>Bacteria, all pollutants</i>	<i>Westport/Weston Health District, Police Department, Department of Public Works.</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 Final Stormwater Management Plan publically available	Ongoing	SMP is accessible on the Department of Public Works webpage.	Comply with permit requirements.	Engineering/D.Barbieri	Ongoing	03/30/2017	SMP is available in Public Works office in Town Hall and on the DPW webpage: <a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>
2-2 Comply with public notice requirements for Annual Reports	In progress	Publish Public Notice on DPW webpage.	Comply with permit requirements.	Engineering/D.Barbieri	Feb 15, 2020.	02/15/2020	Public Notice is written and ready for publication. <a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>
2-3 Establish stormwater committee	Ongoing	Data collection for Annual Report.	Provide forum to coordinate SWMP implementation across depts. and commissions	Department of Public Works/J.Broadbin; Engineering/D.Barbieri, A. Matharu, A.J.Taccone; Conservation/A.Mozian, C.Kelly; Tree Warden/B.Lindsay	Ongoing		Reason for addition: Committee will represent town departments & commissions with a stake in stormwater management.

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

*Continue to implement established activities.*

*Hold stormwater committee meetings to review SMP implementation progress, include Tree Warden-Urban Forestry & Stormwater Ecology & Shellfish Commission.*

### 2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan to public	Yes	03/30/2017	SMP is available in Public Works office in Town Hall and on the DPW webpage: <a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>
Availability of Annual Report announced to public	Yes	Draft of annual report will be available on webpage 1/31/20	SMP is available in Public Works office in Town Hall and on the DPW webpage: <a href="https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management">https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management</a>

### 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	<i>In progress</i>	<i>Town has completed most of the IDDE program utilizing the UCONN CLEAR, IDDE program template.</i>	<i>Comply with permit requirements</i>	<i>MS4 team</i>	Jul 1, 2018	<i>Ongoing</i>	<a href="https://www.westportct.gov/home/showdocument?id=17171">https://www.westportct.gov/home/showdocument?id=17171</a>

3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	<i>In progress</i>	<i>Additional outfalls mapped and tested</i>	<i>Outfall Spreadsheet and maps available on webpage</i>	<i>Outfall testing/Earthplace; Outfall Mapping/A. Taccone</i>	Jul 1, 2019	<i>Ongoing</i>	<a href="https://www.westportct.gov/home/showdocument?id=17171">https://www.westportct.gov/home/showdocument?id=17171</a>
3-3 Implement citizen reporting program	<i>Implemented</i>	<i>System is live.</i>	<i>Comply with permit requirements</i>	<i>Conservation/C.Kelly Engineering/D.Barbieri</i>	Jul 1, 2017	<i>Met</i>	<a href="https://www.westportct.gov/home/showdocument?id=17171">https://www.westportct.gov/home/showdocument?id=17171</a>
3-4 Establish legal authority to prohibit illicit discharges	<i>In progress</i>	<i>Continuing research into legal requirements and existing regulations which may serve as authority.</i>	<i>Acquire legal guidance to establish IDDE framework.</i>	<i>Legal/E.Flug; DPW P.Ratkiewich</i>	Jul 1, 2018	<i>Ongoing and iterative review process.</i>	<i>Westport continues to look to the State of Connecticut to enact enabling legislation to facilitate creating legal authority at the Municipal level.</i>
3-5 Develop record keeping system for IDDE tracking	<i>Implemented</i>	<i>Online reporting system has the capacity to track &amp; compile IDDE reports.</i>	<i>Comply with permit requirements</i>	<i>Engineering/A.Taccone</i>	Jul 1, 2017	<i>Met</i>	<a href="https://www.westportct.gov/home/showdocument?id=17171">https://www.westportct.gov/home/showdocument?id=17171</a>
3-6 Address IDDE in areas with pollutants of concern	<i>Initiated</i>	<i>Testing outfalls.</i>	<i>Comply with permit requirements</i>	<i>MS4 Team</i>	Not specified	<i>Ongoing</i>	

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

*The written program will be posted to the Department of Public works webpage and a link listed in next year's Annual Report; will update the written IDDE program as needed throughout the permit term. Initiated outfall testing in Tranquility Lane area to identify source of illicit discharge.*

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

Date of Report	Location / suspected source	Response taken
----------------	-----------------------------	----------------

**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)
CRESCENT ROAD -73.35/41.14 SW SHORELINE	12/30/13 2 HOURS	MS4	1000 GALS	GREASE BLOCKAGE	JETTED LINE / REMOVE BLOCKAGE	NA
1790 POST RD E -73.30/41.14 SASCO	08/28/14 115 MINS	MS4	5-15,000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, PUMPED DOWN, FIX LINE	NA
WILTON & PARTRICK RDS -73.37/41.16 SAUGATUCK	10/08/14 15 MINS	MS4	500-1000 GALS	EQUIPMENT FAILURE BROKEN FORCE MAIN BLOW-OFF	PRIVATE SEWER FOR GRASSY PLAINS - RAN PUMP BY HAND	NA
31 W PARISH RD 73.33/41.13 SW SHORELINE	03/24/14 3 HRS 55 MIN	MS4	15-20,000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, PUMPED DOWN, FIXED LINE.	NA
32 COLONY RD 73.30/41.14 SASCO	01/20/15	MS4	100 GALS	GRIT & RAG BLOCKAGE	JETTED LINE	NA
1739 POST RD E -73.30/41.14 SASCO	05/06/15 70 MINS	MS4	1-3,000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION #10, TRUCK TO PUMP STATION #9	NA
274 COMPO RD S -74.36/41.11 SW SHORELINE	04/03/15 1 HR, 15 MIN	MS4	5-10,000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION #11, TRUCK TO PLANT, REPAIR LINE.	NA
468 POST RD E -73.35/41.14 SW SHORELINE	03/19/15 3 HRS, 40 MINS	MS4	25,000GAL	COLLAPSED TRUNK LINE	SHUT DOWN PUMP STATION #9, SETUP BYPASS, REPLACED LINE.	NA
60 NYALA FARMS RD -73.33/41.12 SW SHORELINE	05/02/16 15 MIN	MS4	2-3000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, SET UP BYPASS, PUMP, LINED FORCE MAIN.	NA
1720 POST RD E -73.30/41.14 SASCO	07/25/16 1 HR, 10 MIN	MS4	2,500-5,000 GALS	BREAK IN FORCE MAIN	SHUTDOWN PUMPS STATION #10, PUMP, TRUCK TO PUMP STATION #7.	NA
65 COLONY RD -73.34/41.15 SAUGATUCK	08/25/16 40 MINS	MS4	1000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, PUMPED DOWN, REPLACED PIPE.	NA
65 COLONY RD -73.34/41.15 SAUGATUCK	09/12/16 25 MINS	MS4	50-50,000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, PUMPED DOWN, REPLACED PIPE.	NA
COLONY RD -73.34/41.15 SAUGATUCK	01/01/17	MS4	1000 GALS	BREAK IN FORCE MAIN	SHUT DOWN PUMP STATION, PUMPED DOWN, REPLACED PIPE.	NA
26 PUMPKIN HILL PUMP STATION -73.34/41.15	12/10/17 1 HR	MS4	5-20,000 GALS	EQUIPMENT FAILURE	PUMPED DOWN AND REPLACED PIPE	NA

SAUGATUCK						
6 WILTON RD PUMP STATION -73.37/41.14 SAUGATUCK	01/08/18	MS4	1-5,000 GALS	WATER MAIN BREAK	PUMP STATION #4	NA
26 PUMPKIN HILL PUMP STATION -73.337/41.153 SAUGATUCK	09/29/18	MS4	501-1,000 GALS	SEWER LINE BLOCKAGE	PUMP STATION #14	NA
1790 POST RD E -73.30/41.138 SASCO	10/26/18	MS4	501-1,000 GALS	SEWER LINE BLOCKAGE	PUMP STATION #10	NA
1790 POST RD E -73.30/41.138 SASCO	11/02/18	MS4	501-1,000 GALS	SEWER LINE BLOCKAGE	PUMP STATION #10	NA
595 RIVERSIDE AVE -73.37/41.12 SAUGATUCK	08/03/19	MS4	20,001-50,000 GALS	BREAK IN FORCE MAIN	PUMP STATION #2	NA
595 RIVERSIDE AVE -73.37/41.12 SAUGATUCK	08/14/19	MS4	1,001-5,000 GALS	BLOCKED SEWER LINE	PUMP STATION #2	NA

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

Westport residents can access the Citizen Reporting phone number or Illicit Discharge Citizen Reporting form posted on the Town of Westport Department of Public Works webpage <https://www.westportct.gov/government/departments-a-z/public-works-department/stormwater-management/citizen-reporting-center>, to report suspected illicit discharges. An IDDE Compliance Officer will then inspect location, fill out the Illicit Discharge Inspection Report and initiate necessary actions.

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

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
3 BERKELEY HILL	INSTALLED NEW SYSTEM	ASPETUCK RIVER
28 COMPO ROAD NORTH	INSTALLED NEW TANK W/6" OUTLET FILTER	DEADMAN BROOK
8 CROOKED MILE ROAD	INSTALLED NEW SYSTEM	WEST BRANCH SAUGATUCK RIVER
237 GREENS FARMS ROAD	INSTALLED NEW SYSTEM	SHERWOOD MILL POND

2 HICKORY HILL ROAD	INSTALLED NEW TANK	DEADMAN BROOK
41 HIGH POINT ROAD	INSTALLED NEW TANK	MUDDY BROOK
1 HITCHCOCK ROAD	INSTALLED TANK ONLY	WILLOW BROOK
7 MANITOU CT	INSTALLED TANK ONLY	SAUGATUCK RIVER
42 MEADOWVIEW DRIVE	INSTALLED NEW TANK	ASPETUCK RIVER
6 PLACID LAKE LANE	INSTALLED NEW TANK	WILLOW BROOK
10 PRIMROSE LANE	INSTALLED NEW TANK & DBOX	SASCO BROOK
14 RED COAT	INSTALLED NEW FIELD	POPLAR PLAINS BROOK
40 REICHERT CIRCLE	INSTALLED NEW FIELD	DEADMAN & WILLOW BROOKS
1 SILVERBROOK ROAD	INSTALLED NEW SYSTEM	ASPETUCK RIVER
1 TWIN OAKS LANE	INSTALLED NEW FIELD	POPLAR PLAINS BROOK
10 WAKE ROBIN ROAD	INSTALLED NEW SYSTEM	PUSSYWILLOW BROOK
24 WARNOK DRIVE	INSTALLED NEW SYSTEM	ASPETUCK RIVER
348 WILTON ROAD ROAD	INSTALLED NEW SYSTEM	WEST BRANCH SAUGATUCK RIVER

<b>Location and nature of structure with failing septic systems</b>	<b>Actions taken to respond to and address the failures</b>	<b>Impacted waterbody or watershed, if known</b>
SINGLE FAMILY RESIDENCE (SFR) 4 BAYBERRY RIDGE	INSTALLED NEW TANK	ASPETUCK RIVER
SINGLE FAMILY RESIDENCE (SFR) 35 BEACHSIDE AVE	INSTALLED NEW SYSTEM	SW SHORELINE
SINGLE FAMILY RESIDENCE (SFR) 5 BOBWHITE DRIVE	INSTALLED NEW SYSTEM	WEST BRANCH SAUGATUCK RIVER
SINGLE FAMILY RESIDENCE (SFR) 25 COB DRIVE	INSTALLED NEW SYSTEM	UNNAMED STREAMS & PONDS

<i>SINGLE FAMILY RESIDENCE (SFR) 136 COMPO ROAD NORTH</i>	<i>INSTALLED NEW TANK</i>	<i>SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 6 COUNTRY ROAD</i>	<i>INSTALLED NEW SYSTEM</i>	<i>DEADMAN'S BROOK</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 4 DAYBREAK LANE</i>	<i>INSTALLED TANK ONLY</i>	<i>WILLOW BROOK – SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 19 DARBROOK ROAD</i>	<i>INSTALLED TANK ONLY</i>	<i>DEADMAN'S BROOK - SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 2 EDGEMARTH HILL ROAD</i>	<i>INSTALLED NEW SYSTEM</i>	<i>PUSSY WILLOW BROOK – SW SHORELINE</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 5 EVERGREEN PARKWAY</i>	<i>INSTALLED TANK ONLY</i>	<i>DEADMAN'S BROOK – SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 361 GREENS FARM ROAD</i>	<i>INSTALLED NEW SYSTEM</i>	<i>UNNAMED STREAM</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 39 HIGH POINT ROAD</i>	<i>INSTALLED NEW SYSTEM</i>	<i>MUDDY BROOK</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 40 MEADOWVIEW DRIVE</i>	<i>INSTALLED NEW TANK</i>	<i>ASPETUCK – SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 8 OAKWOOD LANE</i>	<i>INSTALLED NEW SYSTEM</i>	<i>POPLAR PLAINS BROOK</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 15 RIVER LANE</i>	<i>INSTALLED NEW SYSTEM</i>	<i>LEES POND - SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 6 RIVERFIELD DRIVE</i>	<i>INSTALLED NEW SYSTEM</i>	<i>SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 159 ROSEVILLE ROAD</i>	<i>INSTALLED NEW TANK</i>	<i>SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 117 WESTON ROAD</i>	<i>INSTALLED NEW TANK</i>	<i>SAUGATUCK RIVER</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 38 ARLEN ROAD</i>	<i>SEPTIC SYSTEM REPAIR.</i>	<i>NO WATERBODIES NOR THE ASPETUCK RIVER WATERSHED WERE IMPACTED.</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 2 GREENBRIER LANE</i>	<i>SEPTIC SYSTEM REPAIR.</i>	<i>NO WATERBODIES NOR THE ASPETUCK RIVER WATERSHED WERE IMPACTED.</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 100 BAYBERRY LANE</i>	<i>SEPTIC SYSTEM REPAIR.</i>	<i>NO WATERBODIES NOR THE SOUTHWEST SHORELINE WATERSHED WERE IMPACTED.</i>
<i>SINGLE FAMILY RESIDENCE (SFR) 116 HILLANDALE ROAD</i>	<i>SEPTIC SYSTEM REPAIR.</i>	<i>NO WATERBODIES NOR THE SOUTHWEST SHORELINE WATERSHED WERE IMPACTED.</i>

<i>SINGLE FAMILY RESIDENCE (SFR) 21 BEACHSIDE COMMON</i>	<i>SEPTIC SYSTEM REPAIR.</i>	NO WATERBODIES NOR THE SOUTHWEST SHORELINE WATERSHED WERE IMPACTED.
<i>SINGLE FAMILY RESIDENCE (SFR) 50 SHOREHAVEN ROAD</i>	<i>SEPTIC SYSTEM REPAIR.</i>	NO WATERBODIES NOR THE SOUTHWEST SHORELINE WATERSHED WERE IMPACTED.
<i>SINGLE FAMILY RESIDENCE (SFR) 8 RIVER VIEW ROAD</i>	<i>SEPTIC SYSTEM REPAIR.</i>	NO WATERBODIES NOR THE SAUGATUCK RIVER WATERSHED WERE IMPACTED.
<i>SINGLE FAMILY RESIDENCE (SFR) 1 TIFFANY LANE</i>	<i>SEPTIC SYSTEM REPAIR.</i>	NO WATERBODIES NOR THE SASCO WATERSHED WERE IMPACTED.
<i>SINGLE FAMILY RESIDENCE (SFR) 43 SILENT GROVE</i>	<i>SEPTIC SYSTEM REPAIR.</i>	NO WATERBODIES NOR THE SAUGATUCK RIVER WATERSHED WERE IMPACTED.
<i>Single Family Residence (SFR) 78 Old Hill Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 15 Dogwood Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 3 Snowflake Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Aspetuck River watershed were impacted.
<i>Single Family Residence (SFR) 3 Hawthorne Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 1 Turkey Hill Circle</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 161 Cross Highway</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 4 Saint George Place</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 45 Beachside Avenue</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 156 Compo Road North</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 4 Manitou Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 129 Cross Highway</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 47 Gorham Avenue</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 24 Silverbrook Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Aspetuck River watershed were impacted.
<i>Single Family Residence (SFR) 213 Greens Farms Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 1 Barry Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 24 Red Coat Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 156 Compo Road North</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 22 Half Mile Common</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 10 Pond Road</i>	<i>Septic System Repair.</i>	No waterbodies nor West Branch of the Saugatuck watershed were impacted.
<i>Single Family Residence (SFR) 9 Vineyard Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.

<i>Single Family Residence (SFR) 38 Tamarac Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 436 Main Street</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.
<i>Single Family Residence (SFR) 1 Sprucewood Lane</i>	<i>Septic System Repair.</i>	No waterbodies nor the Southwest Shoreline watershed were impacted.
<i>Single Family Residence (SFR) 18 Country Road</i>	<i>Septic System Repair.</i>	No waterbodies nor the Saugatuck River watershed were impacted.

### 3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	208
Estimated or actual number of interconnections with the following municipalities: Towns of Fairfield, Weston, Wilton and City of Norwalk	20
Outfall mapping complete	80%
Interconnection mapping complete	yes
System-wide mapping complete (detailed MS4 infrastructure)	75%
Outfall assessment and priority ranking	In process
Dry weather screening of all High and Low priority outfalls complete	In process
Catchment investigations complete	ongoing
Estimated percentage of MS4 catchment area investigated	ongoing

### 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).

*IDDE Compliance Officers have extensive backgrounds in water quality monitoring and testing.  
The Town of Westport will provide additional training as program expands.*

## 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	<i>Completed &amp; ongoing</i>	<i>Developments are required to provide S&amp;E control measures as part of the approval process as well as during construction.</i>	<i>Compliance with established regulations</i>	<i>MS4 Team</i>	<i>Jul 1, 2019</i>	<i>Completed &amp; ongoing</i>	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	<i>Established &amp; ongoing</i>	<i>Each Department reviews plans; consulting and coordinating during the entire permitting process.</i>	<i>All development is vetted through all Land Use departments.</i>	<i>MS4 Team</i>	<i>Jul 1, 2017</i>	<i>Established &amp; ongoing</i>	
4-3 Review site plans for stormwater quality concerns	<i>Established &amp; ongoing</i>	<i>Plan submissions require S&amp;E &amp; stormwater control measures.</i>	<i>Zero increased run-off.</i>	<i>MS4 Team</i>	<i>Jul 1, 2017</i>	<i>Established &amp; ongoing</i>	
4-4 Conduct site inspections	<i>Established &amp; ongoing</i>	<i>Inspect &amp; document S&amp;E control measures during construction process</i>	<i>All development is vetted through all Land Use departments.</i>	<i>Engineering/A.Matharu, E.Gill Conservation/G.Carroll, C.Kelly</i>	<i>Jul 1, 2017</i>	<i>Established &amp; ongoing</i>	
4-5 Implement procedure to allow public comment on site development	<i>Established &amp; ongoing</i>	<i>Public comment is accepted at Commission level Land use hearings.</i>	<i>To notify all interested parties through public notices, mailings, etc.</i>	<i>Land use Commission Chairpersons</i>	<i>Jul 1, 2017</i>	<i>Established &amp; ongoing</i>	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	<i>Established &amp; ongoing</i>	<i>Developers are aware of both Engineering's strict zero increased runoff standards for drainage as well as S&amp;E control requirements.</i>	<i>Zero increased run-off.</i>	<i>MS4 Team</i>	<i>Jul 1, 2017</i>	<i>Established &amp; ongoing</i>	

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

*Continue with our established zero increased runoff standards for drainage as well as strict S&E control requirements.*

## 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	<i>Ongoing</i>	<i>Plans are reviewed by Engineering to insure zero increased run-off and by Conservation to protect water quality.</i>	<i>Increase applicable LID measures.</i>	<i>MS4 Team</i>	<i>Jul 1, 2021</i>		<i>Research into alternative stormwater management practices include porous asphalt, and pervious concrete pavers.</i>
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	<i>Established &amp; ongoing</i>	<i>Plans are reviewed and sites inspected by Engineering to insure zero increased run-off compliance including any LID measures necessary to decrease runoff.</i>	<i>Zero increased run-off.</i>	<i>Engineering Department</i>	<i>Jul 1, 2019</i>		<i>Per the MS4 requirements, Outfalls are periodically tested for water quality.</i>
5-3 Identify retention and detention ponds in priority areas	<i>Ongoing</i>	<i>Identification and evaluation during the permitting process.</i>	<i>Apply to all applicable permits.</i>	<i>MS4</i>	<i>Jul 1, 2019</i>		
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	<i>Ongoing</i>	<i>The Conservation Department/Commission requires most applicants submit a long-term Stormwater management plan</i>	<i>Require O&amp;M plans where appropriate.</i>	<i>Engineering/Conservation</i>	<i>Jul 1, 2019</i>		
5-5 DCIA mapping	<i>In process</i>	<i>DCIA tracking in development.</i>	<i>Require applicants to analyze existing connected impervious areas and compare to proposed conditions to ensure a disconnection occurs as part of their development.</i>	<i>Engineering/A.Taccone</i>	<i>Jul 1, 2020</i>		

5-6 Address post-construction issues in areas with pollutants of concern	<i>In process</i>	<i>Multiple post-construction issues have been addressed, regarding all pollutants. Bacterial pollution in retention and detention ponds from wildlife is not necessarily controllable from a post-construction perspective.</i>	<i>If any part of the post construction Does not meet the approved plans or failed in sections, corrective action will be taken by the appropriate department.</i>		<i>Not specified</i>	
5-7 Investigate alternative retention pond maintenance options	<i>Initiated</i>	<i>Utilized goats from adjacent Town farm to maintain large fenced in detention pond area.</i>	<i>To investigate the feasibility of this sustainable means of maintaining town owned detention ponds.</i>	<i>Conservation/C.Kelly</i>	-	<i>Reason for addition: test case to investigate the feasibility of this sustainable means of maintaining town owned detention ponds, utilizing Town goats.</i>

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

*Continue to implement DCIA tracking as part of the permitting process.*

**5.3 Post-Construction Stormwater Management reporting metrics**

<b>Metrics</b>	
Baseline (2012) Directly Connected Impervious Area (DCIA)	<i>2,543.21 acres</i>
DCIA disconnected (redevelopment plus retrofits)	<i>5.40 (2019) / 14.75 (2013, 2014, 2018, 2019) acres total</i>
Retrofits completed	<i>#</i>
DCIA disconnected	<i>0.21% / 0.58% total since 2014</i>
Estimated cost of retrofits	<i>\$</i>
Detention or retention ponds identified	<i># this year /# total</i>

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

*Utilized CT ECO/CLEAR Connecticut MS4 Data GIS mapping with impervious cover by town, excluding state roads, and Westport's April 13, 2012/2013 digital flyover map to extrapolate more detailed data.*

## 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>	<i>Utilize UCONN Clear's online PACE trainings to further supplement employee training.</i>	<i>Greater inter-departmental use of stormwater management practices.</i>	<i>MS4 Team</i>	Jul 1, 2017	<i>Established and ongoing</i>	
6-2 Implement MS4 property and operations maintenance	<i>Ongoing</i>	<i>Utilize established maintenance protocols to control potential pollutants.</i>		<i>Highway/S.Sullivan Wastewater Treatment Facility/M. Furtado</i>	Jul 1, 2018	<i>Established and ongoing</i>	
6-3 Implement coordination with interconnected MS4s	<i>Ongoing</i>	<i>Department of Public Works and Conservation Department as well as Committees such as The Sasco Creek Abatement Committee are all in regular contact with most of the interconnected MS4's.</i>	<i>Coordinate efforts to reduce pollutants in the our watershed.</i>	<i>DPW/P.Ratkiewich Conservation/A.Mozian</i>	Not specified		
6-4 Develop/implement program to control other sources of pollutants to the MS4	<i>Ongoing</i>	<i>Many other pollutants are already controlled as part of established programs &amp; protocols.</i>	<i>Continue to work to alleviate more pollutants in the MS4.</i>	<i>MS4 Team</i>	Not specified		
6-5 Evaluate additional measures for discharges to impaired waters*	<i>Ongoing</i>	<i>Test additional outfalls to source and reduce TMDL's to impaired waters.</i>	<i>To reduce TMDL's to impaired waters.</i>	<i>Conservation/C.Kelly</i>	Not specified	<i>Ongoing</i>	
6-6 Track projects that disconnect DCIA	<i>Ongoing</i>	<i>Require applicants to submit DCIA calculations As part of the permit review process, and continue to account for DCIA within the lookback period.</i>	<i>DCIA reductions per permit requirements.</i>	<i>Engineering/A.Matharu</i>	Jul 1, 2017	<i>Ongoing</i>	

6-7 Implement infrastructure repair/rehab program	Ongoing	Rehab & repair to portions of both the sanitary sewer and stormwater conveyance system.	To repair/rehab The maximum structures possible within budgetary parameters.	Highway/S.Sullivan WPCA/B.Thompson	Jul 1, 2021	Ongoing	
6-8 Develop/implement plan to identify/prioritize retrofit projects	Ongoing	Retrofit projects are prioritized by age, condition and need of conveyance or structure.	To repair/rehab The maximum structures possible within budgetary parameters.	Highway/S.Sullivan WPCA/B.Thompson	Jul 1, 2020	Ongoing	
6-9 Implement retrofit projects to disconnect 2% of DCIA	Established & Ongoing	DCIA reduction accounting has been created for private developments and will be implemented in conjunction with the new online, interdepartmental permitting software.	To disconnect the maximum # of DCIA's.	Engineering/A.Matharu	Jul 1, 2022	Ongoing	
6-10 Develop/implement street sweeping program	Established & Ongoing	Streets & parking lots are organized by district, each district is then swept by schedule.	Comply with permit requirements.	Highway/S.Sullivan	Jul 1, 2017	Ongoing	
6-11 Develop/implement catch basin cleaning program	Established & Ongoing	Catch basins are also organized by district and cleaned on schedule. Catch basins prone to leaf litter are cleaned routinely.	Comply with permit requirements.	Highway/S.Sullivan	Jul 1, 2020	Ongoing	
6-12 Develop/implement snow management practices	Established & Ongoing	Continue to mitigate pollutant runoff during and after snow events.	Comply with permit requirements.	Highway/S.Sullivan	Jul 1, 2018	Ongoing	

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

*Water quality initiative – late spring and summer bi-weekly flushing of the Sherwood Mill Pond flood gates to improve water quality.*

*Annual inspection and licensing of all refuse/septage vehicles working in the Town of Westport to ensure that no vehicle operating int Westport is discharging leachate or septage onto Town roads and into the MS4.*

*Annual collection of Household Hazardous Waste. Multi-town program to provide residents with numerous opportunities to properly dispose of Household Hazardous Wastes.*

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	YES, 3/26/2019
Street sweeping	
Curb miles swept	246
Volume (or mass) of material collected	1990.5 yards
Catch basin cleaning	
Total catch basins in priority areas	251
Total catch basins in MS4	#
Catch basins inspected	644
Catch basins cleaned	644
Volume (or mass) of material removed from all catch basins	lbs or tons
Volume removed from catch basins to impaired waters (if known)	lbs or tons
Snow management	
Type(s) of deicing material used	Calcium Chloride
Total amount of each deicing material applied	2170 tons
Type(s) of deicing equipment used	All season trucks & trucks with slide-in spreaders.
Lane-miles treated	246 miles & all town-owned parking lots.
Snow disposal location	Imperial Parking Lot
Staff training provided on application methods & equipment	YES, 11/25/19
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	lbs or %
Reduction in turf area (since start of permit)	acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	\$

#### 6.4 Catch basin cleaning program

**Provide any updates or modifications to your catch basin cleaning program**

*The Highway Department divides the Town into 11 districts. Catch basins in 3-4 districts are cleaned annually on a rotating schedule.*

#### 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.**

*Future retrofit projects will be identified and prioritized based on budgetary constraints, need, and outfall test results.*

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

*Future projects will be identified and prioritized based on budgetary constraints, need and outfall test results.*

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

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

**2.1 Screening data**

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?
<i>Ex. 6-3B</i>	<i>7/30/17</i>	<i>Bacteria</i>	<i>- E. coli 1,000 col/100ml - T Coliform 600 col/100ml</i>	<i>Chemworks</i>	<i>Yes</i>

**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?
<i>Ex. 1-1A</i>	<i>11/4/16</i>	<i>Nitrogen</i>	<i>TN - 1.5 mg/l</i>	<i>Chemworks</i>	<i>No</i>
<i>Ex. 1-1B</i>	<i>10/15/16</i>	<i>Nitrogen</i>	<i>TN - 5.2 mg/l</i>	<i>Chemworks</i>	<i>Yes</i>

### 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
<i>Ex. 1-1B</i>	<i>Completed investigation of outfall drainage area – athletic field complex drains into waterbody</i>	<i>Reduce fertilizer use on fields and create 50 foot vegetated buffer.</i>

### 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
4011-00-2-R3	High Priority	3
4000-33-2-R2	Low Priority	10

**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
6-4A	3/20/17	0.3 mg/l	Not detected	400 uS/cm	0.4 ppt	E. coli 200 col/100ml	0.2 mg/l	15 C	n/a	No
6-4B	3/20/17	-	-	-	-	-	-	-	-	Evidence of prior dry weather flow – raised priority of catchment investigation

## 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

## 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
<i>1-1C</i>	<i>Mill River</i>	<i>1, 3, 5, 6, 8</i>

Where SVFs are:

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

### 3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

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

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

**Part IV: Certification**

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

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