Town of Weston, Connecticut

2017 Annual Report

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems

Permit Number GSM000106

MS4 General Permit
Town of Weston 2017 Annual Report
Existing MS4 Permittee
Permit Number GSM 000106
January 1, 2017 - December 31, 2017

This report documents the Town of Weston's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 01, 2017 to December 31, 2017.

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	In Place	The Town of Weston website has the following resources on the town website at: http://www.westonct.gov/townhall/ Stormwater Management Program 2011 MS4 Annual Report Stormwater Sampling Results August 25, 2011 October 19, 2011	Met	Town Administrator/ Jonathan Luiz	July 01, 2018	Prior to July 01, 2017 and Continuing	Additional materials will be added when developed

		Stormwater Resources: The Water Cycle - What happens When It Rains? USGS Water Cycle Graphic Clean Waters - Starting in Your Home and Yard Fact Sheets developed as a collaboration of the Connecticut Sea Grant Extension Program and the University of Connecticut Cooperative Extension System's NEMO Project. The following Fact Sheets are posted: What's the Big Deal About Water Quality Managing Your Household Chemicals Caring for Your Septic System Integrated Pest Management and Biological Controls for the Homeowner Conservation Landscaping for Water Quality Animal Waste and Water Quality Going Native - Rethinking Plant Selection for the Home Landscape Lawn Care the Environmentally-Friendly Way The Four Seasons of Water Quality Protection Conserving Water at Home Environmentally Responsible Boating Website Links: CT DEEP US EPA					
1-2 Address education/ outreach for pollutants of concern*	In Place	The Town of Weston website has the following resources addressing bacteria sources in stormwater on the town website at: http://www.westonct.gov/townhall/ What's the Big Deal About Water Quality Caring for Your Septic System Animal Waste and Water Quality	Met	Town Administrator/ Jonathan Luiz	July 01, 2017	Prior to July 01, 2017 and Continuing	Additional materials will be added when developed

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

Additional Public Education and Outreach activities may be added to the town website to educate residents on MS4 stormwater.

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.

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

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2-1 Comply with public notice requirements for the Stormwater Management Plan	Completed	The Weston 2017 Stormwater Management Plan (SMP) will be added to The Town of Weston website.	Will Comply with Requirements	Town Administrator/ Jonathan Luiz	April 03, 2017	The 2017 SMP was available to the public on April 12, 2017.	No public comments were received by the Office of the First Selectman
2-2 Comply with public notice requirements for Annual Reports	Completed	The Draft 2017 Weston MS4 Annual Report was made available for public review and comment on the town website. The Draft 2017 MS4 Annual Report will be made available for public review and comment at the Office of the First Selectman	Complied with requirements	Town Administrator/ Jonathan Luiz	February 15, 2018	*May 09, 2018*	The Annual Report will be revised if any pertinent public comments are received.

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

Were any Town Park and/or Green Clean Ups conducted in 2017.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public to meet FOIA requirements	No	Not Applicable	Not Applicable Will be Posted
Availability of Annual Report announced to public to meet FOIA requirements	Yes	*04/17/2018*	Town Website and Office of the Town Administrator

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	In Progress	The Town of Weston is in the process of completing a written IDDE program using the IDDE program template available from the CT DEEP.	Develop written plan of IDDE program	Town Administrator/ Jonathan Luiz and Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2018	Anticipate completing by the deadline of July 01, 2018.	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In Progress	MS4 stormwater outfall mapping will be completed in the Spring of 2018. It is anticipated that the MS4 stormwater outfall mapping will be completed using a map grade handheld GPS unit and compiled as a ESRI GIS layer of the town GIS mapping. The GIS mapping will include impaired waters as contained in the State of Connecticut, Department of Energy and Environmental Protection 2016 Integrated Water Quality Report. The stormwater outfalls in the impaired waters will be identified.	Map MS4 stormwater outfalls Development of an ESRI GIS map layer with MS4 stormwater outfalls.	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2019	Anticipate completing by July 01, 2018.	

3-3 Implement Citizen Reporting Program	In Progress	A program to allow the general public to report suspected illicit discharges is in the process of being set up. It is anticipated that the Office of the First Selectman will be the entity to accept citizen reporting of suspected illicit discharges.	Program Development	Town Administrator/ Jonathan Luiz	July 01, 2018	Anticipate completing by July 01, 2018.	
3-4 Establish legal authority to prohibit illicit discharges	IDDE Ordinance to Be Enacted	It is anticipated that an Illicit Discharge Detection and Elimination (IDDE) Ordinance will be enacted at a Town Meeting in 2018.	IDDE Ordinance Enactment	Town Administrator/ Jonathan Luiz and Town Meeting	July 01, 2018	June 26, 2012	
3-5 Develop record keeping system for IDDE tracking	To Be Developed	A program to record IDDE tracking is in the process of being developed. It is anticipated that the record keeping system will be maintained by the Office of the First Selectman	Program Development	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2018		
3-6 Address IDDE in areas with pollutants of concern	To Be Developed	All MS4 Stormwater Outfalls which directly discharge to the bacterially impaired segments of Beaver Brook, Cobbs Mill Brook and Kettle Creek will be sampled in 2018 to determine if the outfalls are sources of the bacterial impairment.	Program Development	Town Administrator/ Jonathan Luiz and Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2018		

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

The written IDDE Program will be posted on the town website. The MS4 Annual Reports will update the written IDDE program as needed throughout the permit term.

John Conte, Town Engineer will maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process

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

Date of Report	**Location / suspected source**	**Response taken**
None		

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table. The Town of Weston has no SSOs

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)

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

Once the Illicit Discharge Detection and Elimination Ordinance has been enacted, and the Illicit Discharge Citizen Reporting Program is in place, it is anticipated that the Office of the First Selectman will receive the complaint and have either John Conte, Town Engineer or the Westport Weston Health District conduct a field investigation to determine the best method to identify the suspected illicit discharge. Once the illicit discharge has been tentatively identified specific methodologies will be employed to correctly determine if the discharge is illicit in nature. If the discharge is an illicit discharge the appropriate measure as contained in the IDDE Ordinance will be employed to eliminate the illicit discharge.

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
Mark A.R. Cooper, MPH, RS, Director of Health for the Westport Weston Health District was contacted to determine if any subsurface sewage disposal system failures resulted in illicit discharges. Director Cooper indicated that no illicit discharges were known to have occurred in town.		

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	To Be Determined
Estimated or actual number of interconnections	To Be Determined
Outfall mapping complete	5%
Interconnection mapping complete	0%
System-wide mapping complete (detailed MS4 infrastructure)	5%
Outfall assessment and priority ranking	0%
Dry weather screening of all High and Low priority outfalls complete	0%

Catchment investigations complete	0%
Estimated percentage of MS4 catchment area investigated	5%

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

The Department of Public Works will be provided with a copy of the publication entitled *Illicit Discharge Detection and Elimination Manual, A Handbook for Municipalities*, Published January 2003 by the New England Interstate Water Pollution Control Commission.

The Department of Public Works will be provided with a copy of the publication entitled *Illicit Discharge Detection and Elimination, A Guidance Manual for Program Development and Technical Assessments, and Technical Appendices* Published October 2004 by the Center for Watershed Protection and Robert Pitt of the University of Alabama.

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	To Be Completed	The required elements of Minimum Control Measure No. 4 - Construction Site Runoff Control will be incorporated into the town land use regulations.	Land Use Department awareness of the need to review the appropriate land use regulations to attain compliance.	Land Use Director/ Tracy Kulikowski Land Use Commissions Land Use Commission Attorney(s)		July 01, 2019	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing	John Conte, Town Engineer, prepares land use review letters for all larger land use applications.	Interdepartmental Coordination	Land Use Department	July 01, 2017	Ongoing	
4-3 Review site plans for stormwater quality concerns	Ongoing	John Conte, Town Engineer, encourages the use of LID and Stormwater BMPs practices as contained in the 2004 Connecticut Stormwater Quality Manual and new stormwater management technologies as they are developed.	Compliance	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2017	Ongoing	
4-4 Conduct site inspections	Ongoing	The town conducts construction site inspections for proper implementation and maintenance of soil	Compliance with Approved Plans	Town Engineer/John Conte	July 01, 2017	Ongoing	

		erosion and sediment control measures.					
4-5 Implement procedure to allow public comment on site development	Ongoing	The land use application process allows for public comment on land use applications during the Public Hearing Process when applicable.	Compliance	Land Use Department and Land Use Commissions	July 01, 2017	Ongoing	
4-6 Implement procedure to notify developers about the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (CT DEEP Construction Stormwater General Permit)	Ongoing	John Conte, Town Engineer, will make developer's engineers aware of the need to register for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities in engineering review letters which are typically prepared as part of the land use application process.	Awareness of the need to register for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities	Land Use Director/Tracy Kulikowski Town Engineer/John Conte	July 01, 2017	Ongoing	

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

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	In Place	The land use regulations will be revised to incorporate	Compliance	Land Use Director/Tracy Kulikowski	July 01, 2021	July 01, 2017	

reduction in site development planning		the Minimum Control Measure No. 5 - Post Construction Runoff Control.		Land Use Commissions and Land Use Town Attorney			
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	In Place	John Conte, Town Engineer, encourages the use of LID and Stormwater BMPs practices as contained in the 2004 Connecticut Stormwater Quality Manual and new stormwater management technologies as they are developed.	Compliance	Land Use Director/Tracy Kulikowski Town Engineer/John Conte	July 01, 2019	July 01, 2017	
5-3 Identify retention and detention ponds in priority areas	Partially Developed	Retention Ponds, Detention Ponds and Hydrodynamic Separators will be inventoried. A GIS Map Layer will be created after the inventory.	A stormwater management inventory will be developed and will be updated as needed.	Department of Public Works/ Joe Lametta, Director and Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2019	Prior to July 01, 2019	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	To Be Developed and Implemented	After the Retention Ponds, Detention Ponds and Hydrodynamic Separators have been inventoried a Long-Term Operation and Maintenance Plan will be implemented.	Under Development	Department of Public Works/ Joe Lametta, Director	July 01, 2019	Prior to July 01, 2019	
5-5 DCIA mapping	Starting	Begin the process of DCIA Mapping from base mapping prepared by UConn CLEAR.	The DCIA to MS4 stormwater outfalls discharging to waters	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2020	Prior to July 01, 2020	

			identified as impaired in the 2016 Integrated Water Quality Report and in watersheds with a DCIA of greater than 11 percent will be completed in 2018.				
5-6 Address post-construction issues in areas with pollutants of concern	To Be Addressed	Based on a review of sampling conducted from 2004 to 2016, the town will encourage utilization of new stormwater management technologies to reduce bacteria loading to the Saugatuck River and West Branch of the Saugatuck River.	Stormwater outfalls discharging to waters identified as impaired in the 2016 Integrated Water Quality Report will be subject to enhanced water quality treatment.	Land Use Director/Tracy Kulikowski Town Engineer/John Conte	Not specified	To be developed and implemented as stormwater quality treatment methods for bacteria emerge.	

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

Sampling of MS4 stormwater outfalls which discharge directly to the Saugatuck River and West Branch of the Saugatuck River.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Acreage to be determined
DCIA disconnected (redevelopment plus retrofits)	0 Acres this year / 0 Acres total
Retrofits completed	0

DCIA disconnected	0% this year / DCIA disconnected since 2012 To Be Determined
Estimated cost of retrofits	$0
Detention or retention ponds identified	0 this year /0 total

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

The DCIA Mapping will be conducted on accordance with the methodologies presented in the October 25, 2017 UConn CLEAR Webinar entitled *CT MS4 Mapping Details, Clarifications and Tools* utilizing DCIA base mapping prepared by UConn CLEAR.

Impaired waters are as contained in the report entitled *2016 Integrated Water Quality Report*, dated April 2017, prepared by the State of Connecticut Department of Energy and Environmental Protection. The impaired waters will be revised based on subsequent Integrated Water Quality Reports on even years.

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	Ongoing	DPW facility BMPs were presented to the DPW staff	Continuing	Department of Public Works/ Joe Lametta, Director	July 01, 2017	Continuing	
6-2 Implement MS4 property and operations maintenance	Ongoing	The Department of Public Works continues to utilize BMPs in MS4 property operations and maintenance.	Continuing	Department of Public Works/ Joe Lametta, Director	July 01, 2018	Continuing	
6-3 Implement coordination with interconnected MS4s	Not Applicable	Not Applicable	Not Applicable	Not Applicable	July 01, 2017	Not Applicable	
6-4 Develop/implement program to control other sources of pollutants to the MS4	To Be Developed	None	Educate the General Public on bacteria impairment of waterbodies by pet waste and waterfowl waste.	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2017	Calendar Year 2018	
6-5 Evaluate additional measures for discharges to impaired waters*	To Be Developed	None	Educate the General Public on bacteria impairment of waterbodies by pet waste and waterfowl waste.	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2017	Calendar Year 2018	
6-6 Track projects that disconnect DCIA	To Be Developed	None	Review projects constructed since July 01, 2012 to determine if	Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2017	Calendar Year 2018	

			there was a reduction in DCIA on any of the projects.				
6-7 Implement infrastructure repair/rehab program	To Be Developed	None	Begin development of the program.	Department of Public Works/ Joe Lametta, Director	July 01, 2021	Prior to July 01, 2021	
6-8 Develop/implement plan to identify/prioritize retrofit projects	To Be Developed	None	Retrofit Plan Development	Department of Public Works/ Joe Lametta, Director and Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2020	Prior to July 01, 2020	
6-9 Implement retrofit projects to disconnect 2% of DCIA	To Be Developed	None	Review projects constructed since July 01, 2012 to determine if there was a reduction in DCIA on any of the projects.	Department of Public Works/ Joe Lametta, Director and Town MS4 Consultant/ Nathan L. Jacobson & Associates, Inc.	July 01, 2022	Prior to July 01, 2022	
6-10 Develop/implement street sweeping program	Ongoing	The Town of Weston currently implements a road sweeping program whereby all town roads are swept at least one time per year.	Compliance	Department of Public Works/ Joe Lametta, Director	July 01, 2017	Continuing	
6-11 Develop/implement catch basin cleaning program	Ongoing	The Town of Weston currently implements a catch basin cleaning program whereby approximately half of the catch basins are cleaned every year.	Compliance	Department of Public Works/ Joe Lametta, Director	July 01, 2020	Continuing	

6-12 Develop/implement snow management practices	Ongoing	Continue the existing program and modify as needed.	Ongoing Review	Department of Public Works/ Joe Lametta, Director	July 01, 2018	Continuing	

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

Storm Drainage Retrofit prioritization will be given to stormwater outfalls that are known to result in soil erosion and sedimentation. Prioritization will be given to the outfalls within the impaired water drainage basins with particular emphasis placed on stormwater outfalls which are located on fine grained glacial till soils.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	DPW Employees are encouraged to attend classes at the CT Technology Transfer Center.
Street sweeping	
Lane miles swept	157.84
Volume (or mass) of material collected	20± Cubic Yards
Catch basin cleaning	
Total catch basins in priority areas	TBD
Total catch basins in MS4	*1,200± – 1,500±*
Catch basins inspected	*600± - 750±*
Catch basins cleaned	Approximately 50%
Volume (or mass) of material removed from all catch basins	Currently disposed of out of town by the catch basin cleaning contractor. The estimated volume of catch basin cleaning will be kept in 2018.

Volume removed from catch basins to impaired waters (if known)	Currently disposed of out of town by the catch basin cleaning contractor. The estimated volume of catch basin cleaning will be kept in 2018.
Snow management	
Type(s) of deicing material used	Deicing Mix: NaCl Salt treated with Ice B'Gone at the rate of 6-8 gallons per ton. The pretreated salt is obtained from Gateway Terminal
Total amount of each deicing material applied	1,200± to 1,500± Tons of pretreated NaCl Salt
Type(s) of deicing equipment used	10 Snow Plows/Spreaders. 6 Snow Plows/Spreaders were purchased new with Ground Speed Controlled Spreaders. The remaining 4 Snow Plows/Spreaders have manually controlled Spreaders. The deicing mix is applied at a rate ranging from 150 pounds per lane (curb) mile depending on the storm type.
Lane-miles treated	157.84
Snow disposal location	Generally along the road shoulders.

Staff training provided on application methods & equipment	DPW Employees are encouraged to attend classes at the CT Technology Transfer Center.
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	0 Pounds
Reduction in turf area (since start of permit)	0 acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	$0

6.4 Catch Basin Cleaning Program

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule. [Complete this section for the 2017 Annual Report only]
It is estimated that there are approximately 1,200 to 1,500 catch basins in the Town of Weston. Approximately 50% were cleaned in 2017.

6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. [Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]
Storm Drainage Retrofit prioritization will be given to stormwater outfalls that are known to result in soil erosion and sedimentation. Prioritization will be given to the outfalls within the impaired water drainage basins with particular emphasis placed on stormwater outfalls which are located on fine grained glacial till soils.

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

Based on information contained in the *Factsheet: Town of Weston Water Quality and Stormwater Summary,* prepared by the CT DEEP, 845.42 acres of the town has an impervious area exceeding 11% which is approximately 6.39% of the town. 368.73 acres have an impervious cover of ranging from 12% to 25%, 359.10 acres have an impervious cover ranging from 26% to 50%, 89.39 acres have an impervious cover ranging from 51% to 75% and 28.20 acres have an impervious cover ranging from 76% to 100%.

The impervious cover for the town consists of 282.52 acres of buildings, 335.83 acres of roads and 590.48 acres of other impervious surface.

The directly connected impervious area (DCIA) would be expected to be a fraction of the impervious area due to the relatively rural character of the land. The DCIA will be determined in 2018.

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

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

1. Impaired waters investigation and monitoring program

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer:

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 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?**

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 (Colonies/100 ml)**	**Name of Laboratory (if used)**	**Follow-up required?**

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
7200-24-1 15.35% Impervious	High Priority - E. coli	1
7200-22-2-R1 12.74% impervious	High Priority - E. coli	1
7203-04-1 11.55% Impervious	High Priority - E. coli	1

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

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

Where SVFs are:

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

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

3.2 Key junction manhole dry weather screening and sampling data

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: Jonathan Luiz, Town Administrator	Print name: Wade M. Thomas
Signature / Date: July 11, 2018	Signature / Date: July 11, 2018