

**MS4 General Permit**  
**Town of Southbury 2021 Annual Report**  
**Existing MS4 Permittee**  
**Permit Number GSM 00028**  
**January 1, 2021 – December 31, 2021**

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This report documents the Town of Southbury’s efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2021 to December 31, 2022.

**Part I: Summary of Minimum Control Measure Activities**

**1. Public Education and Outreach (See Below and PRWC Outreach Log CY 2020)**

**1.1 BMP Summary**

<b>BMP</b>	<b>Status</b>	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b>	<b>Additional details</b>
1-1 Implement public education and outreach	Ongoing	Attendance at Farmers’ Markets	Raise Public Awareness	Land Use Office	2/15/19	Ongoing	Approximately 2,250 attendees at the Farmers’ Market.
1-2 Address education/ outreach for pollutants of concern*	Ongoing	Storm Drain Markers (PWRC)	Raise Public Awareness	Land Use Office / Department of Public Works	2/15/19	Ongoing	11 new drains for a total of approximately 1,500.

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

Continued coordination with the Pomperaug River Watershed Coalition.  
 Energy and Sustainability Fair Spring 2022  
 Earth Day Celebration Spring 2022

**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>
See item 2.2 – Public Involvement	See PRWC Report Attached (Appendix A)	Varied topics, see Appendix A		Land Use Department in partnership with the PRWC
Town of Southbury’s Webpage has links addressing BMP for stormwater	Home owners (approx. 150)	Protecting the watershed, stormwater management		IT Department Post Document on webiste
Reviewing plans for development to ensure their compliance with LID and 2004 CT Stormwater Manual	Developers (approx. 20)	Impervious surfaces, BMP’s for site control	Sediment Load	Land Use Department
Aquifer Protection Area Letter	150 Property owners within the APA regulated area	Aquifer protection regulated activites		Land Use Department
Hazardous Waste Drop-off March 17, July 24, September 25, 2021	75 residents	HHW events give residents the opportunity to properly dispose of hazardous materials that are commonly used in the home including paint, pesticides, household cleaners, poisons, and chemicals, helping to keep potentially hazardous waste out of local landfills and sewers, providing extra protection for wetlands and waterways.		Public Works in partnership with NVCOG

## 2. Public Involvement/Participation (See Below and PRWC Outreach Log CY 2020)

### 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 to the public	Ongoing	Posting to website	Posted at southbury-ct.org	Land Use Dept.	4/3/2017	8/1/2021	
2-2 Comply with public notice requirements for Annual Reports	Ongoing	See report	See final report	Land Use Dept.	2/15/2022	5/1/2022	Available on web www.southbury-ct.org

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

Hold periodic sub-committee meetings to discuss status of stormwater progress. Continue outreach with PRWC; stress BMP's whenever possible.

### 2.3 Public Involvement/Participation reporting metrics

Metrics	Date	Posted
Availability of the Stormwater Management Plan to public	3/31/2017	www.southbury-ct.org
Availability of Annual Report announced to public	5/1/2022	www.southbury-ct.org & First Selectman's Office

### 3. Illicit Discharge Detection and Elimination

#### 3.1 BMP Summary

<i>BMP</i>	<i>Status</i>	<i>Activities in current reporting period</i>	<i>Measurable goal</i>	<i>Department / Person Responsible</i>	<i>Due</i>	<i>Date completed or projected completion date</i>	<i>Additional details</i>
3-1 Develop written IDDE program	Completed	IDDE plan for the town was developed in 2020.	Continue to implement the IDDE plan	Public Works / Land Use Dept.	Jul 1, 2018	Feb. 2020	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Completed	Attribute table added to GIS database detailing location of outfalls as a separate layer. GIS data continues to be updated as Dry Weather Screening is performed.	Completed list of outfalls on the GIS database , allowing for tracking	Public Works	Jul 1, 2019	June 30, 2019	All outfalls and catch basins have been added as a layer to the Town's GIS. There is additional info available in GIS about each catch basin, for example maintenance and cleaning dates.
3-3 Implement citizen reporting program	Completed	Delegation of tasks to town staff from the online reporting system by the Public Works department.	Closed records on the IWORQ Database.	Public Works	Jul 1, 2017	Feb. 2017	
3-4 Establish legal authority to prohibit illicit discharges	In progress	Town Ordinance regarding Aquifer Protection Agency updated. The members of the Inland Wetlands Commission will now serve as the agents for the APA.	Amend the ordinance to adopt an enforcement arm of the WPCA	Soil and Erosion Control Officer/ In-Land Wetlands	Jul 1, 2018	Anticipated completion date December 31, 2022	In 2022 the Agency is expected to adopt the DEEP model regulations and regain compliance.
3-5 Develop record keeping system for IDDE tracking	Complete	Work orders tracked in the IWORQ system.	Maintained recorded	Public Works Tracks in IWORQ for the Legal Authority	Jul 1, 2017	Feb. 2017	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	No areas of concern have been identified as needing follow-up.	Maintained record	Soil and Erosion Control Officer/ In-Land Wetlands	Not specified	Ongoing	

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

Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process.  
 Hazardous waste collection days to reduce illegal discharge into watershed.  
 Continue use of IWORQ Work Order tracking system to track reports made by concerned citizens.

**3.3 List of citizen reports of suspected illicit discharges received during this reporting period (through I-Works).**

Date of Report	Location / suspected source	Response taken
December 2021	72 Hulls Hill – Environmental concerns about junk yard related storage	DEEP investigated and found the complain unfounded.

**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)
455 Community House Rd	Nov 24, 2020	Culvert to Ditch	None Found	UNK	Field Visit to Research – Nothing Found	NA
84 Hollow Swamp Rd	Jan 2, 2019	Water from Neighbor	None Found	UNK	Investigate and Found not to be an Illicite Discharge	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.**

Citizens are able to complete a Citizen Request Work Order online on the Town’s website or call the Public Works Office, as well as through the complain section of the Land Use website to report their concerns. Public Works coordinates with the Soil and Erosion Control Officer/ Inland Wetlands Officer. A spreadsheet of the report log is maintained on the IWORQ database. Environmental related complaints are tracked in Municipality permitting system software with description, oversations and resultions notes.

**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
None reported.		

**3.7 IDDE reporting metrics**

Metrics	
Estimated or actual number of MS4 outfalls	475
Estimated or actual number of interconnections	225
Outfall mapping complete	40 %
Interconnection mapping complete	15 %
System-wide mapping complete (detailed MS4 infrastructure)	40 %
Outfall assessment and priority ranking	10%
Dry weather screening of all High and Low priority outfalls complete	0%
Catchment investigations complete	10%
Estimated percentage of MS4 catchment area investigated	10%

**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).**

Public Works staff completed UCONN T2 center trainings in 2021 including:  
 Connecticut Road Master and Road Scholar  
 Public Works Academy Program  
 Vac Haul training for catch basin cleaning  
 Salt Calibration training

## 4. Construction Site Runoff Control

### 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	Complete	IWWC Regulation update complete January 2020. Sediment and Erosion Control Ordinance is established.	Confirm that ordinance does not need to be changed to update BMP manual reference.	Land Use Department	July 1, 2019	Inland Wetlands Commission approved Regulation update in January 2020.	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing	All applications funneled by online permitting system through Building Department to ensure all necessary approvals are received.	Check off list in the online permitting program	Land Use Department	July 1, 2017	Ongoing standard operating procedure.	
4-3 Review site plans for stormwater quality concerns	Ongoing	Multiple commercial development projects, new houses, and other various building projects were reviewed for compliance.	All site plans are reviewed for compliance with a variety of regulations, including stormwater quality.	Land Use Department	July 1, 2017	Ongoing standard operating procedure.	BMP manual guidelines for the State of Connecticut are available as are optional pre-application meetings for all applicants.
4-4 Conduct site inspections	Ongoing	Site inspections were conducted with all major construction projects.	The Zoning and Wetlands Enforcement Officer maintains records of new constructions and problem areas that require site visits.	Land Use Department	July 1, 2017	Ongoing standard operating procedure.	Sediment and Erosion Control bonds are required for all projects.

BMP (Continued from above)	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-5 Implement procedure to allow public comment on site development	Ongoing	Strategic Task Force commission was established with an avenue for public survey to receive general comments.	Zoning Enforcement Officer Database of Complaints.	Land Use Department	July 1, 2017	Ongoing standard operating procedure.	Avenues for public comment on development projects are continuously being assessed and updated as needed.
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Ongoing	All pertinent regulatory material is reviewed to determine additional requirements prior to issuance of permit.	Permit language	Land Use Department	July 1, 2017	Ongoing standard operating procedure.	

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

Continue the following practices:

- Utilize IWORQ system for citizen feedback and reporting of land disturbance activities and illicit discharge.
- Site plan reviews
- Site inspections
- Continue interdepartmental cooperation in plan reviews and permit approvals
- Require consistency with 2002 Guidelines for Soil Erosion and Sediment Control and the 2004 Stormwater Quality Manual.



## 5. Post-construction Stormwater Management

### 5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	In progress	LID practices were recommended to be incorporated into the zoning regulation rewrite in progress.	Planning requirements in the Zoning Regulation.	Land Use Department	Jul 1, 2021	Anticipated completion Date July 1, 2023	Requests contractors to explore alternate designs to incorporate LID designs. Encourages roof leader drains discharging to infiltrators for new construction single family dwellings.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	In progress	LID practices were recommended to be incorporated into the zoning regulation rewrite in progress.	Verifiable during site plan review.	Land Use Department	Jul 1, 2019	Anticipated completion Date July 1, 2023	Confirmation by inspection or signed affidavit by contractor before Certificate of Zoning Compliance is issued on new projects.
5-3 Identify retention and detention ponds in priority areas	In Progress	Retention and detention ponds are in progress of being mapped.	Create maps and associated status spreadsheet.	Public Works Department	Jul 1, 2019	Anticipated completion Date 12/31/2022	List of town owned Detention basins updated and sent to Public Works Department by the Inland Wetlands Department.
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	Complete	Catch basins are digitized on a GIS map viewer. Detention basin maintenance schedule has been created.	Service log for detention basins.	Public Works	Jul 1, 2019	July 2019	Additional funding received for stormwater detention basin maintenance.
5-5 DCIA mapping	In progress	The Town has contracted with a consultant to perform DCIA baseline calculation.	Excel Spreadsheet Calculated percentage	Land use Department	Jul 1, 2020	Anticipated completion Date 6/30/2022	

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5-6 Address post-construction issues in areas with pollutants of concern continued	Ongoing	Identify erosion and sediment problems in impaired waters through complaint system. Develop and implement solutions to the problems as funding is available, or use legal authority to hold property owners accountable.	Town staff to correct issues on Town-owned property to the extent practicable and incorporated into list of planning projects. Privately-owned land typically issued wetlands violation notice.	Public: Land Use Department  Private: Engineering firm	Not specified	Ongoing standard operating procedure.	Update annual report with identification of problem areas, the cost of the retrofit, and the anticipated pollutant reduction.
5-7 Turf Reduction and vegetative buffers	Complete	The Town's Wetland Regulations require applicants to preserve as much of the natural buffer as possible.	Review needed for requirements for turf reduction.	Land Use Department	Not specified	Ongoing standard operating procedure	
5-8 Standards to protect trees	Ongoing	The Town's streetscape plan requires trees along developed areas. These trees are maintained by an arborist and replaced if needed.	Maintain the Town's streetscape and status as a "Tree City".	Land Use Department / Public Works Department	Not specified	Ongoing standard operating procedure	The landscaping plan is not only aesthetically pleasing, it is also important for evapotranspiration.
5-9 Coordinate with local Health Department	Ongoing	The local Health Department is included in application reviews.	Continue to coordinate with the Health Department.	Land Use Department / Building Department	Not specified	Ongoing standard operating procedure	

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

Continue to encourage and enforce LID site development practices.  
Continue to identify public and private retention / detention basins in priority areas.  
Continue requirements for access easement in subdivisions.  
Continue to address post-construction sediment and erosion control issues as they occur.  
Continue to encourage preservation and enhancement of natural buffers.  
Continue to require consistency with the 2004 Stormwater Quality Manual.  
Continue interdepartment coordination in application reviews.

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

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	7.79 acres
DCIA disconnected (redevelopment plus retrofits)	TBD
Retrofits completed	0
DCIA disconnected	0 % this year / 0 % total since 2012
Estimated cost of retrofits	Not yet determined
Detention or retention ponds identified	33

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

The town contracted with a consultant to calculate DCIA baseline. DCIA was estimated from high-resolution impervious cover (excluding state roads) and land use/cover data available from UConn NEMO and empirical equations (Sutherland Equations) relating DCIA and Total Impervious Area (TIA). The DCIA estimates were developed at the CTDEEP Local Basin scale.

## 6. Pollution Prevention/Good Housekeeping

### 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	Public Works staff completed UCONN T2 center trainings in 2021 including: Connecticut Road Master and Road Scholar, Public Works Academy Program, Vac Haul training for catch basin cleaning, and Salt Calibration training.	Attendance Records	Public Works	Jul 1, 2017	Ongoing Standard Operating Procedure	
6-2 Implement MS4 property and operations maintenance	Ongoing	Funding allocated to Public Works for drainage maintenance and repair including detention basins, catch basins and culverts.	Report form director	Public Works Director	Jul 1, 2018	Ongoing standard operating procedure	
6-3 Implement coordination with interconnected MS4s	Ongoing	The Town is working with CT Water to inspect and rehabilitate 20% of their manholes to reduce I&I. The Town also coordinates with DOT for the Rt 84 storm system, brook crossings, and culvert assessments for future repair and replacement.	Meeting with Connecticut Water, sewage division scheduled and minutes recorded.	Public Works Director	Not specified	Ongoing	Heritage Road pipe rerouted underneath the road after collapsing. Previously suspended across watercourse.

<b>BMP</b>	<b>Status</b>	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b>	<b>Additional details</b>
6-4 Develop/implement program to control other sources of pollutants to the MS4	In progress	Create a list of facilities in town not required to register under the Industrial Stormwater Permit, and review screening and monitoring results for compliance.	Review stormwater general permit registrant list and identify potential contributing facilities not on the list.	Public Works Department / Engineering firm	Not specified	Anticipated completion date December 31, 2022	Compare locations of locations identified and monitor results to determine if further investigation is needed.
6-5 Evaluate additional measures for discharges to impaired waters	See BPM 6-10 - 6-13						
6-6 Track projects that disconnect DCIA	In progress	Review of previous projects within Town dating back to July of 2012 did not identify any significant disconnect projects in the past five (5) years.	Create a spreadsheet to track disconnected DCIA acreage.	Land Use Department / Public Works Department	Jul 1, 2017	Anticipated completion date December 31, 2023	
6-7 Implement infrastructure repair/rehab program	Ongoing	Funding allocated to Public Works for drainage maintenance and repair including detention basins, catch basins and culverts. Maintenance Schedule has been developed and is being implemented.	Spreadsheet and repair schedule	Public Works Department	Jul 1, 2021	Ongoing	

<b>BMP</b>	<b>Status</b>	<b>Activities in current reporting period</b>	<b>Measurable goal</b>	<b>Department / Person Responsible</b>	<b>Due</b>	<b>Date completed or projected completion date</b>	<b>Additional details</b>
6-8 Develop/implement plan to identify/prioritize retrofit projects	In progress	The Town has contracted with a consultant to review Town-owned properties for potential DCIA reduction retrofit sites.	Identify required repairs based on data from previous permit. Make repairs as funding becomes available.	Public Works Department	Jul 1, 2020	Anticipated completion date Dec 31, 2023	
6-9 Implement retrofit projects to disconnect 2% of DCIA	Ongoing	The Town has contracted with a consultant to review Town-owned properties for potential DCIA reduction retrofit sites.	Disconnect 2% of the Town's DCIA	Public Works Department	Jul 1, 2022	Anticipated completion date Dec 31, 2024	
6-10 Develop/implement street sweeping program	Ongoing	The Town sweeps all its streets twice a year, and additional areas on an as-needed basis.	Spreadsheet	Public Works Department	Jul 1, 2017	Ongoing standard operating procedure	
6-11 Develop/implement catch basin cleaning program	Ongoing	The Town vacuums 10% of its catch basin a year. A new vac truck was purchased to expedite this process.	Spreadsheet	Public Works Department	Jul 1, 2020	Ongoing standard operating procedure	Catch basins to be numbered and organized for more accurate tonnage numbers.
6-12 Develop/implement snow management practices	Ongoing	The Town trains Public Works staff on Salt Calibration to reduce waste and unnecessary salting.	Management manual	Public Works Department	Jul 1, 2018	Ongoing standard operating procedure	
6-13 Map and inventory highly erosive areas in Town Right of Way (ROW)	Ongoing	Eroding areas in ROW are reported by Town staff and added to list of projects.	Identify areas contributing large volumes of sediment to Town waterbodies.	Public Works Department		Ongoing standard operating procedure	

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

Annual recycling days sponsored by the Town Public Works Department will be held in the spring and fall of 2022.  
 Mattress return, hazard household waste return, and battery return days at the Town’s transfer station to be scheduled.  
 Continue employee training programs.  
 Continue street sweeping programs.  
 Continue catch basin maintenance and inspections.  
 Commissioner training programs delayed by Covid-19 to move forward in 2022.

**6.3 Pollution Prevention/ Good Housekeeping reporting metrics**

Metrics	
Employee training provided for key staff	Yes
Street sweeping	
Curb miles swept	378 miles
Volume (or mass) of material collected	98 CY
Catch basin cleaning	
Total catch basins in priority areas	Unknown
Total catch basins in MS4	5473
Catch basins inspected	201
Catch basins cleaned	123
Volume (or mass) of material removed from all catch basins	209 CY
Volume removed from catch basins to impaired waters (if known)	Not known
Snow management	
Type(s) of deicing material used	Treated Rock Salt
Total amount of each deicing material applied	3,218 Tons
Type(s) of deicing equipment used	Salt Spreaders
Road miles treated	126 miles
Snow disposal location	PW laydown Yard
Staff training provided on application methods & equipment	Yes Dec. 7, 2021
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	0 lbs.
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

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

Streets are assigned to inspection teams by the Highway Foreman. Crews utilize an industrial vacuum truck to travel the assignment length to inspect and inventory catch basins. If the free board within the catch basin is filled, the grate is pulled and the silts and sands are vacuumed out. Chronic silt migration resulting from gravel driveways is addressed by requiring the resident to address the issue creating the problem. Material that is vacuumed out of the catch basin is taken to the Public Works yard.

## 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.**

The retrofit identification and prioritization process consists of a desktop screening evaluation to identify potential retrofit sites followed by field evaluations to confirm feasibility of retrofits, develop retrofit concepts, and prioritize retrofit projects. The initial desktop analysis is used to determine which sites to further evaluate prioritized sites with the following criteria:

1. Municipally-owned properties
2. Greater than 1 acre of impervious area or greater than 30% of impervious area (using high-resolution impervious cover and land use/cover data available from UConn NEMO)
3. Moderately well drained to excessively well drained soils (using USDA/NRCS 2007 Soil Drainage Class data)
4. Mostly or entirely outside of the 100 year flood zone (using FEMA Flood Zone data)

Once site visits are completed, preliminary stormwater retrofit concepts will be identified and evaluated for budgetary cost and approximate amount of DCIA that would be disconnected.

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

To be determined

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

To be determined



**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.**

1. Fuss & O’Neil has been contracted to perform sampling and assist in monitoring.

**2. Screening data for outfalls to impaired waterbodies ( Fuss and O’neill Reports)**

**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?
-	-	-	-	-	-

**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?


### 3. Follow-up investigations (Fuss and O’neill Reports)

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 (Fuss and O’neill Reports)

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**

**1. Assessment and Priority Ranking of Catchments data**

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
CT6800-00_01	B	1
CT-6800-00_03	B	2

**2. Outfall and Interconnection Screening and Sampling data ( Fuss and O’neill Reports)**

**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 (Fuss and O’neill Reports)

### 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:

- 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.
- 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: