

**MS4 General Permit  
Town of Guilford 2018 Annual Report  
Existing MS4 Permittee  
Permit Number GSM000077  
January 1, 2018 – December 31, 2018**

This report documents Guilford’s efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2018 to December 31, 2018. Please note that the staffing of the Town of Guilford’s engineering department has been reestablished in the last year. The responsibilities of the department have been transferred from Jim Portley to Janice Plaziak as the Town Engineer and from Mark Damiani to Stephanie Maurer as the Assistant Town Engineer.

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

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

**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	Supply “Do not feed waterfowl” flyer	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019
1-2 Address education/outreach for pollutants of concern*	Ongoing	Supply Household Hazwaste Central flyer	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019
	Ongoing	Supply “Caring for your septic system” flyer	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019
	Ongoing	Supply “Lawn care the Environmentally Friendly Way” flyer	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019
	Ongoing	Supply “Help Clean up Long Island Sound” flyer	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019
	Ongoing	Supply “Clean Waters Starting in your Home and Yard”	Available at municipal offices	Janice Plaziak, Town Engineer	Jul 1, 2018	January 2018	This information shall also be added to the town website in 2019

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

Provide above flyer information on town website under Health Department section. Present storm water annual report and IDDE plan to Board of Selectmen. Illicit Discharge Ordinance will be published in the town newsletter. Budget presentation highlighting the efforts to gain funding for outfall screening is televised and boosts public awareness of pollution concerns. Guilford is a registered participant of sustainable CT and hosts events to promote a clean, green community.

**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.
Educational stormwater material distributed at Town Halls, Community Center and Library and on town website	Adults, children(20000)	Impact of contaminating stormwater, groundwater	Bacteria, Phosphorus, nitrogen	Engineering Department

**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	On time		Advertise public notice in compliance with FOI	Jim Portley, Town Engineer	Apr 3, 2017	April 2017	
2-2 Comply with public notice requirements for Annual Reports	On time	Town posted on website report is available	Advertise public notice	Janice Plaziak, Town Engineer	Feb 15, 2018	Feb 2018 Feb 2019	Notice on town website Annual report is available for public comment
2-3 Establish stormwater committee	In progress	In process of establishing protocol for addressing stormwater needs.	Provide forum to coordinate SWMP implementation across depts.	Matt Hoey, First Selectman	-	Summer 2019	Committee will represent the following town departments: Engineering, Public Works, Planning, Wetlands, Health, and Parks & Rec.

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

Hold quarterly stormwater committee meetings to review SMP implementation progress.

### 2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Y	April 2017	<a href="http://www.ci.guilford.ct.us">www.ci.guilford.ct.us</a>
Availability of Annual Report announced to public	Y	February 2018 February 2019	<a href="http://www.ci.guilford.ct.us">www.ci.guilford.ct.us</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	In progress	Town is in process of completing written IDDE program using the CT IDDE program template	Develop written plan of IDDE program	Janice Plaziak, Town Engineer	Jul 1, 2018	Anticipate completing by July 1, 2019.	Currently under development
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	95% complete	Securing funding for mapping services	Map of outfalls Available on website	Kevin Magee, Environmental Planner Janice Plaziak, Town Engineer Tom Fillion, PW Director	Jul 1, 2019	Jul 1, 2019	Subdivision mapping shall be added moving forward from 2008. Engineering and Public Works shall correct and/or add to mapping as the system is explored.
3-3 Implement citizen reporting program	Completed	none	Have complaint form on website under Health Department	Dennis Johnson, Health Director	Jul 1, 2017	completed	
3-4 Establish legal authority to prohibit illicit discharges	Completed	The Town Engineer has legal authority to prohibit illicit discharges under the new ordinance	Engineering shall work with the Health Dept to track and address illicit discharge	Janice Plaziak, Town Engineer Dennis Johnson, Health Director	Jul 1, 2018	February 15, 2019	Approved at the January 7, 2019 public hearing
3-5 Develop record keeping system for IDDE tracking	In progress	Keep electronic spread sheet	Keep data up to date monthly	Janice Plaziak, Town Engineer	Jul 1, 2017	Ongoing	

3-6 Address IDDE in areas with pollutants of concern	In progress	Keep a record of offenses and note repeated or clustered locations that may need more frequent inspections.	Keep track monthly	Janice Plaziak, Town Engineer Thomas Fillion, PW Director Dennis Johnson, Health Director	Not specified	Ongoing	
3-7 Consolidate IDDE tracking spreadsheets	In progress	Compile all the IDDE tracking requirements into one spreadsheet	Keep track monthly	Janice Plaziak, Town Engineer	Not specified	Ongoing	Track all IDDE activities efficiently

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

Sampling to monitor any IDDE in high priority areas; follow up according to sampling results.  
Investigate any potential IDDE reported by citizens or discovered during outfall inspections; follow up appropriately based on findings.  
Record all IDDE activity.

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

Date of Report	Location / suspected source	Response taken
None		

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

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)
None						

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

The appropriate department will conduct a visual inspection based on complaint. When illicit discharge is occurring a letter shall be issued to the offender to correct the problem. The Town shall follow up until the issue has been corrected.  
Ground/surface water dyeing by Health Department, Public Works or the Engineering Department may be utilized as needed.

**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
1059 Long Hill Road, residential	Offender was issued an order letter and the septic system was repaired	Unknown
1591 Boston Post Road, commercial	Offender corrected the failure with a soil-aire septic repair	Spinning Mill Brook, West River
47 Clapboard Hill Road, commercial	Offender was issued an order letter and the septic system was repaired	Unknown

**3.7 IDDE reporting metrics**

Metrics	
Estimated or actual number of MS4 outfalls	1511
Estimated or actual number of interconnections	Unknown
Outfall mapping complete	95%
Interconnection mapping complete	95%
System-wide mapping complete (detailed MS4 infrastructure)	95%
Outfall assessment and priority ranking	(%)
Dry weather screening of all High and Low priority outfalls complete	0
Catchment investigations complete	20
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).**

Once a year public works staff reviews procedure for cleaning catch basins and inspecting all outfalls. Outfall is visually inspected for illegal discharges. Health and Engineering Departments review IDDE procedures.

## 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	Ongoing	Review Low Impact Regulations	Ensure regulations meet MS4 permit requirements	George Kral, Town Planner	Jul 1, 2019	Jul 1, 2019	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Completed	Engage in weekly staff meetings	Interdepartmental communication	Jim Portley, Town Engineer	Jul 1, 2017	Jul 1, 2017	
4-3 Review site plans for stormwater quality concerns	Ongoing	Engage in weekly staff meetings	All site plans reviewed in timely manner	Janice Plaziak, Town Engineer Kevin Magee Environmental Planner	Jul 1, 2017	Jul 1, 2017	
4-4 Conduct site inspections	Ongoing	Inspect in progress construction sites	Ensure compliance with regulations	Erin Mannix, ZEO Kevin Magee, Environmental Planner	Jul 1, 2017	Jul 1, 2017	
4-5 Implement procedure to allow public comment on site development	Ongoing	Public hearing at Planning and zoning commission meetings on site	Ensure public comment received	George Kral, Town Planner	Jul 1, 2017	July 1, 2017	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Ongoing	Developers informed at time of project application submission Zoning and Subdivision regulations	All developers notified	George Kral Town Planner Janice Plaziak Town Engineer	Jul 1, 2017	July 1, 2017	
4-7 Develop stormwater compliance checklist	In progress	Requiring erosion control, stormwater retention for new development, including maintenance plan and as-built	Integrate stormwater compliance checklist into review process	Janice Plaziak, Town Engineer	-	Jul 1, 2019	Ensure compliance with stormwater regulations

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

Random inspections of construction sites will be performed to ensure regulations are followed and to determine the overall compliance rate that is being achieved by construction operators.

## 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	Ongoing	Planning and Zoning is legal authority for maintaining guidelines	Ensure regulations updated	George Kral, Town Planner	Jul 1, 2021	Jul 1, 2021	Funding request to rewrite the regulations for the 2020 fiscal year.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing	Site inspection of existing construction sites Ongoing	Ensure requirement compliance	Erin Mannix, ZEO Janice Plaziak, Town Engineer	Jul 1, 2019	Jul 1, 2019	
5-3 Identify retention and detention ponds in priority areas	In process	Site inspection of existing ponds	Visit all ponds in priority areas	Erin Mannix, ZEO Janice Plaziak, Town Engineer	Jul 1, 2019	Jul 1 2019	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	In process	Developers required to submit bonds that are used to maintain structures and submit maintenance reports to town	Require all structures to be maintained	Janice Plaziak, Town Engineer	Jul 1, 2019	Jul 1, 2019	
5-5 DCIA mapping	In process	New staff shall reassess and document the DCIA for Guilford	Incorporate onto GIS layer	Janice Plaziak, Town Engineer Kevin Magee, Environmental Planner	Jul 1, 2020	Jul 1, 2020	New staff has attended seminars and/or webinars to properly meet the requirements
5-6 Address post-construction issues in areas with pollutants of concern	In Process	Identify areas of pollutants	Tabulate on spreadsheet	Janice Plaziak, Town Engineer Dennis Johnson, Health Director	Not specified	In Progress	

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

Visit retention ponds and assess need for maintenance.  
Implement a maintenance plan and/or inspection schedule for detention and retention basins.

### 5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	Under Review
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / acres total
Retrofits completed	0
DCIA disconnected	0% this year / % total since 2012
Estimated cost of retrofits	unknown
Detention or retention ponds identified	In process

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

DCIA calculation of drainage basins in town per CT NEMO website.

## 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	Review procedures for good housekeeping for public works and transfer station employees	All employees to be informed	Janice Plaziak, Town Engineer	Jul 1, 2017	Ongoing	
6-2 Implement MS4 property and operations maintenance	In process	Erected salt hoop house and secured funding for a vehicle wash bay at public works site	All salt to be enclosed – wash bay to be constructed	Jim Portley, Prior Town Engineer Janice Plaziak, Town Engineer	Jul 1, 2018	Jul 1, 2018	Current staff to follow up on previously implemented measures
6-3 Implement coordination with interconnected MS4s	In process	Define interconnected MS4s	Summarize in IDDE plan	Janice Plaziak, Town Engineer	Not specified	In progress	
6-4 Develop/implement program to control other sources of pollutants to the MS4	In process	Identify other sources of pollutants	Summarize in IDDE plan	Janice Plaziak, Town Engineer	Not specified	In progress	



6-5 Evaluate additional measures for discharges to impaired waters	In process	Take soil samples to determine how much is fertilizer needed on fields. Use non phosphorous fertilizers Recycle grass clippings onto field Maintain a buffer from watercourses when applying.	Summarize in IDDE plan	Janice Plaziak, Town Engineer Rick Maynard, Parks & Rec Director	Not specified	In progress	Stay on lower end of recommended fertilizer rates. Use 50% slow release, Store fertilizer inside. Irrigate only as needed. An integrated pest management program is followed
6-6 Track projects that disconnect DCIA	In process	Identify possible candidates in areas of town for DCIA disconnect	Maintain inventory of projects on spreadsheet	Jim Portley, Prior Town Engineer Janice Plaziak, Town Engineer	Jul 1, 2017	Jul 1, 2017	Current staff to follow up on previously implemented disconnections
6-7 Implement infrastructure repair/rehab program	In process	Town capital improvements program lists road reconstruction/improvement projects	Reconstruct /repair all roads	Janice Plaziak, Town Engineer	Jul 1, 2021	Jul 1, 2021	
6-8 Develop/implement plan to identify/prioritize retrofit projects	In process	Identify infrastructure that can be retrofitted	Compile schedule for completion of retrofits	Janice Plaziak, Town Engineer	Jul 1, 2020	Jul 1, 2020	
6-9 Implement retrofit projects to disconnect 2% of DCIA	In process	Identify areas of town eligible for disconnect	Compile list of projects and timetable for retrofits	Janice Plaziak, Town Engineer	Jul 1, 2022	Jul 1, 2022	
6-10 Develop/implement street sweeping program	Completed; Ongoing	Completed every year	Map completed streets every year	Thomas Fillion, PW Director	Jul 1, 2017	Jul 1, 2017	
6-11 Develop/implement catch basin cleaning program	Completed; Ongoing	Completed every year	Map/Log completed catch basins every year	Thomas Fillion, PW Director	Jul 1, 2020	Jul 1, 2018	
6-12 Develop/implement snow management practices	In process	Every season	Implemented every year	Thomas Fillion, PW Director	Jul 1, 2018	Jul 1, 2018	
Disconnect all floor drains from storm sewers and groundwater at all industrial buildings	Completed	All industries notified and town visually inspected all floor drain disconnections	Prevent surface/groundwater pollution	Jim Portley, Town Engineer	Completed	Completed	Accomplished under former Health Director Dr. Elisabeth Adams in 1970's

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

Currently utilizing indoor wash station draining to a holding tank, pumping and hauling the wastewater offsite as needed.  
A facilities study is underway to investigate options for a new wash facility for public works

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

<b>Metrics</b>	
Employee training provided for key staff	yearly
<b>Street sweeping</b>	
Curb miles swept	324miles
Volume (or mass) of material collected	76050 tons
<b>Catch basin cleaning</b>	
Total catch basins in priority areas	Under Review
Total catch basins in MS4	3346
Catch basins inspected	3346
Catch basins cleaned	3346
Volume (or mass) of material removed from all catch basins	3385 tons
Volume removed from catch basins to impaired waters (if known)	unknown
<b>Snow management</b>	
Type(s) of deicing material used	Treated salt, rock salt, sand
Total amount of each deicing material applied	456 tons treated salt 705 tons rock salt 2230 CY sand
Type(s) of deicing equipment used	Truck sanders
Lane-miles treated	186
Snow disposal location	Road shoulders or town fairgrounds
Staff training provided on application methods & equipment	yearly
<b>Municipal turf management program actions (for permittee properties in basins with N/P impairments)</b>	
Reduction in application of fertilizers (since start of permit)	Under Review
Reduction in turf area (since start of permit)	0
<b>Lands with high potential to contribute bacteria (dog parks, parks with open water, &amp; sites with failing septic systems)</b>	
Cost of mitigation actions/retrofits	unknown

### 6.4 Catch basin cleaning program

**Briefly describe the method used to optimize your catch basin inspection and cleaning schedule.**

Catch basins are cleaned and documented every year on a continuous basis. Sumps are cleaned out with a mechanical claw. Debris is brought to brush/leaf disposal site.

## 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.**

As road and storm drainage projects are implemented for maintenance/upgrade, storm drainage outlets shall be adjusted for settling basins to be installed at outlets wherever possible. Storm runoff will be allowed to percolate in the ground before it reaches a watercourse.

**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.]**

**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

### 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.

Public Works Facility outfall to East Creek tested semi-annually. Above allowable in COD, TSS, TP, TKN, and Zinc  
 Transfer Station Facility outfall to Spinning Mill Brook tested semi-annually. Above allowable in ,COD, TSS, TP, TKN  
 Soundview Road storm outlet to West River Basin tested annually. Above allowable in E. Coli, COD, Nitrate, TKN, TSS  
 Hubbard Road storm outlet to West River Basin tested annually. Above allowable in E. Coli, Ammonia, COD, Nitrate, TKN, and TSS  
 90 Union St storm outlet to West River Basin tested annually. Above allowable in E. Coli, COD, Nitrate, Oil, Grease, Phosphorous, TKN, and TSS  
 18 River St storm outlet to West River Basin tested annually. Above allowable in E. Coli, COD, Nitrate, Nitrite, Oil, Grease, Phosphorous, TKN, and TSS  
 1635 Long Hill Road storm outlet to West River Basin tested annually, Above allowable in E. Coli, COD, Nitrate, Nitrite, Phosphorous, TKN, and TSS  
 1640 Little Meadow Road storm outlet to East River Drainage Basin tested annually. Above allowable in E. Coli, COD, Nitrate, TKN, and TSS  
 No changes to 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?
I2 Soundview Rd	7/6/18	Bacteria, Nitrogen	E. Coli 908 MPN/100ml, TN 0.89 mg/L	Environmental Consulting	Yes
I1 Hubbard Rd	7/6/18	Bacteria, Nitrogen	E. Coli 121 MPN/100ml, TN 0.62 mg/L	Environmental Consulting	Yes
C2 - 90 Union St	7/6/18	Bacteria, Nitrogen	E. Coli >24196 MPN/100ml, TN 0.17 mg/L	Environmental Consulting	Yes
C1 - 18 River St	7/6/18	Bacteria, Nitrogen	E. Coli 6867 MPN/100ml, TN 0.90 mg/L	Environmental Consulting	Yes
R1 - 1635 Long Hill Road	7/6/18	Bacteria, Nitrogen	E. Coli 231 MPN/100ml, TN 0.38 mg/L	Environmental Consulting	Yes
Transfer Station	11/13/18	Nitrate, TSS, Phosphorous	N 0.11 mg/L, TSS 25 mg/L, Phosphorous 0.63mg/L	Environmental Consulting	No
Public Works	11/13/18	Nitrate, TSS, Metals, Phosphorous	N 0.28 mg/L, Metals 0.05mg/L, TSS 26 mg/L, Phosphorous 0.08mg/L	Environmental Consulting	No

## 2.2 Credit for screening data collected under 2004 permit

Outfall	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
I2 Soundview Road	5/5/17	Bacteria, Nitrogen	E. Coli 135.4MPN/100ml, TN .33 mg/l	Environmental Consulting	Yes
I1 Hubbard Road	5/5/17	Bacteria, Nitrogen	E. Coli 24.3 MPN/100ml, TN .23 mg/l	Environmental Consulting	Yes
C2- 90 Union St	5/5/17	Bacteria, Nitrogen	E. Coli 2419.6 MPN/100ml, TN .16 mg/l	Environmental Consulting	Yes
C1-18 River St	5/5/17	Bacteria, Nitrogen	E. Coli 1119.9 MPN/100ml, TN .72 mg/l	Environmental Consulting	Yes
R1- 1635 Long Hill Road	5/5/17	Bacteria, Nitrogen	E. Coli 2419.6 MPN/100ml, TN .74 mg/l	Environmental Consulting	Yes
R2-1640 Little Meadow Rd	5/5/17	Bacteria, Nitrogen	E. Coli 435.2 MPN/100ml, TN .59 mg/l	Environmental Consulting	Yes
Transfer Station	11/16/17	Nitrate, Oil, Grease, TSS, Phosphorous	N 1.08mg/L, Oil ND TSS196mg/L, Phosphorous.45mg/L	Environmental Consulting	Yes
Public Works	8/18/17	Nitrate, Oil, Grease, Phosphorous, TSS, Metals	N 0.31mg/L, Phosphorous 0.57mg/L, TSS 419 mg/L, Metals .25 mg/L	Environmental Consulting	Yes

## 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
Public Works	Outfalls are within pollutant threshold	Filter fabric in the catch basins are changed monthly January to April. Trucks are washed indoors and wash water is pumped off site.
Transfer Station	Outfalls are within pollutant threshold	Filter fabric in the catch basins are changed monthly January to April.

## 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**

**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).

**New staffing is currently working to identify, categorize and rank priority catchment areas. The information below is subject to change.**

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank			
5108-09-2-R1	LIS CB Inner - East and Neck Rivers	Under Review	5110-00-3-R5	LIS CB Inner - West River, Guilford	Under Review
5108-01-3-R2	LIS CB Inner - East and Neck Rivers	Under Review	5109-01-1	LIS CB Inner – East and Neck Rivers	Under Review
5108-00-3-L1	LIS CB Inner - East and Neck Rivers	Under Review	5109-00-1	LIS CB Inner – East and Neck Rivers	Under Review
5108-12-1-L1	LIS CB Inner - East and Neck Rivers	Under Review	5110-00-3-R4	LIS CB Inner – West River - Guilford	Under Review
5110-08-1	LIS CB Inner - West River, Guilford	Under Review	5109-00-2-R1	LIS CB Inner - East and Neck Rivers	Under Review
5110-09-1-L1	LIS CB Inner - West River, Guilford	Under Review	5108-00-3-R6	LIS CB Inner - East and Neck Rivers	Under Review
5110-09-1	LIS CB Inner - West River, Guilford	Under Review	5000-17-1	LIS CB Shore- Guilford Harbor Guilford	Under Review
5000-25-1	LIS CB Shore- Joshua Cove & Island Bay	Under Review	5000-24-1	LIS CB Shore- Indian Cove Guilford	Under Review
5110-00-3-R6	LIS CB Inner - West River, Guilford	Under Review	5000-23-1	LIS CB Shore- Guilford Harbor Guilford	Under Review
5110-00-3-L2	LIS CB Inner - West River, Guilford	Under Review	5000-27-1	LIS CB Shore - Joshua Cove & Island Bay	Under Review

**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. **Funding for the screening process has been sought by current staff.**

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
Under Review										

## 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
Under Review									

## 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.

Outfall ID	Receiving Water	System Vulnerability Factors
Under Review		

Where SVFs are:

1. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
2. 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).
3. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

### 3.2 Key junction manhole dry weather screening and sampling data

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

### 3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
none				

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

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed
none							

### Part IV: Certification

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

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Matthew Hoey, First Selectman	Print name: Janice Plaziak, Town Engineer
Signature / Date:	Signature / Date: