2020 ANNUAL REPORT

General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)

Registration No. GSM000015

for

Town of Suffield, CT
83 Mountain Road
Suffield, CT 06078

Prepared By:

ANCHOR
a Barton&Loguidice company

41 Sequin Drive
Glastonbury, CT 06033
T: 860.633.8770
F: 860.633.5971

MS4 General Permit
Town of Suffield 2020 Annual Report
Existing MS4 Permittee
Permit Number GSM000015
January 1, 2020 – December 31, 2020
Primary MS4 Contact: Karen Isherwood, P.E.; Town Engineer; (860) 668-3876; kisherwood@SuffieldCT.gov

This report documents the Town of Suffield's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2020 to December 31, 2020 (reporting period).

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/ projected	Additional details
1-1 Implement public education program	Complete	A Stormwater Management Program website has been established.	Distribute material online and social media	Department of Public Works	Jul 1, 2018	Jun 1, 2018 On-going	
1-2 Address education/outreach for pollutants of concern*	Complete	A Trash & Recycling website has been established that provides information on trash and recycling collection, leaf pick-up and HHW collection days. Links were added to the Stormwater Management webpage that address pollutants of concern.	Develop and Distribute Information on Bacteria Pollution and Other Pollutants of Concern	Department of Public Works	Jul 1, 2018	Jun 1, 2018 On-going	
1-3 Newspaper Article & Publication	In Progress	Began drafting educational materials to be printed in the local papers and on social media.	Publish educational material in local papers and on social media	Department of Public Works	Not Specified	Jun 1, 2021	The Town is looking into providing additional information on the stormwater webpage.
1-4 Household Hazardous Waste Days	Complete	A link is on the Public Works Dept. website to inform the public of the annual HHW collection days.	Continue qualifying local program	Department of Public Works	Not Specified	Jul 1, 2017 On-going	

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

- The Town will provide the public with information on the impacts to stormwater discharges.
- The Town will continue to update the Stormwater webpage.
- The Town will continue to promote and offer HHW collection days for the public.

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
Stormwater Quality Fact Sheets were created for educating businesses in Town of their impacts to the stormwater.	Town Businesses	Material Storage, Spills, Cleaners/Solvents, Trash, Landscaping, FHPs, Maintenance, Housekeeping, Sediment Control	All	Department of Public Works
Stormwater Management Program website was created	General Public	Implementation of the MS4 General Permit	All	Department of Public Works
Link "Trash & Recycling" website was created	General Public	Provides information on trash and recycling collection, leaf pick-up and HHW collection days.	All	Department of Public Works
Link for information on Household Hazardous Waste was added to the Trash & Recycling webpage	General Public	HHW Disposal	All	Department of Public Works

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/ projected	Additional details
2-1a Final Stormwater Management Plan publically available	Complete	Notice of the draft SMP was posted in the Journal Inquirer. The final SMP is available on the Town Engineer's webpage and at select Town offices.	Comply with public notice requirements for the Stormwater Management Plan	Department of Public Works	SMP - Apr 3, 2017	SMP - Apr 6, 2017	The Stormwater Management Plan will be reviewed periodically and updated, as necessary.

BMP	Status	Activities in current reporting period	Measurable goal	Department/ Person Responsible	Due	Date completed/ projected	Additional details
2-1b Comply with public notice requirements for Annual Reports	Complete	Notice of the draft Annual Report was posted on the Town's website and Facebook page. The draft Annual MS4 Report was uploaded to the Stormwater Management Program website and printed copies were available at select Town offices and were available for public review and comment for at least 30 days.	Make drafts available in print at town facilities 30 days in advance	Department of Public Works	Annual Report - Feb 15, 2020 Annual Report Available - Feb 15, 2020	Notice for Annual Report - Jan 31, 2020 Draft Annual Report Available - Feb 18, 2020	
2-2 Develop Stormwater Committee to oversee public involvement and participation program	Complete	The Town has established a committee of individuals in each department that meet periodically.	Enact panel of staff and volunteers for SMP review	Department of Public Works	Not Specified	Mar 1, 2018	

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

- Continue to comply with the public notice and review requirements for Annual Reports.
- Continue to hold regular 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	Yes	Apr 6, 2017	http://suffieldct.gov/town/offices/engineer/stormmgmt Town Hall, Library
Availability of Annual Report announced to public	Yes	Feb 18, 2020	http://suffieldct.gov/town/offices/engineer/stormmgmt Town Hall

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/ projected	Additional details
3-1 Develop written IDDE program	In Progress	A draft IDDE Program has been developed and is in the process of going through internal Town review.	Refer to BMP 3-1 of the SMP	Department of Public Works	Jul 1, 2018	Jul 1, 2021	
3-2 Develop list & maps of all MS4 stormwater outfalls in urbanized and priority areas	Substantially Complete	The Town has completed its mapping of all the known outfalls in priority areas.	Finalize mapping in priority areas	Department of Public Works	Jul 1, 2019	Substantially Complete Jul 1, 2019 On-going	The Town will continue to update its mapping as new information is gathered.
3-3 Develop citizen reporting program	In Progress	The Town is working on adding a website link for illicit discharge information and for citizen reporting. Currently, citizens can file reports via phone calls or email. The Town added a weblink for requesting replacement trash carts.	Develop reporting program	Department of Public Works	Jul 1, 2017	Jul 1, 2021	The Town is adding contact information on the stormwater page for reporting illicit discharges. These changes will be done following approval of the IDDE ordinance.
3-4 Establish legal authority to prohibit illicit discharges	In Progress	The draft Ordinance was developed and is in the process of being reviewed by various parties in the Town.	Town policies will be reviewed and updated	Planning and Zoning	Jul 1, 2018	December 2021	Town submitted a draft for approval by the first selectman and Town Counsel. Once approved it'll be posted under the Stormwater link in Town website with a notice for residents to review it before bringing it to the Board of Selectman for approval.
3-5 Develop record keeping system for IDDE tracking	Complete	The Town uses excel and access spreadsheets, along with GIS, for IDDE tracking.	Keep a record of illicit discharge abatement	Department of Public Works	Jul 1, 2017	Jul 1, 2017 On-going	The Town will continue to look for ways of optimizing its IDDE tracking.
3-6 Address IDDE in areas with pollutants of concern	In Progress	The Town continues to identify structures that are not connected to the sanitary sewer system which are located near the MS4.	Identify areas of concern	Department of Public Works	Jun 2020	Dec 31, 2021	

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

- Finalize written IDDE Program
- Post IDDE Program to the Stormwater Management Program webpage and include link in next year's Annual Report
- Finalize Illicit Discharge Reporting link on the Stormwater Management Program webpage
- Continue updating the MS4 outfall and system mapping
- Work towards finalizing legal authority to prohibit illicit discharges
- Continue to maintain master IDDE tracking spreadsheet
- Investigate illicit discharges in areas with pollutants of concern

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

Date of Report	Location / suspected source	Response taken
No reports were recorded in 2020		

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

Location	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	Sampling data (if applicable)
Suffield Meadow Dr	3/22/2012 30 mins	No	2500 gal	Blockage	Jet rod on regular basis	None
Suffield WPCF	5/7/2012 2 hours	Yes	Approx. 80000 gal	UV shut off	Electrician fixed problem	None
Suffield Village	8/26/2012 1.5 hours	Storm drain	500 gal	Blockage in line	Told owner to jet rod regularly	None
10 Cross Street	8/26/2012 1.25 hours	No	500 gal	Blockage in line	Jet rod on regular basis	None
Suffield Village	10/23/2012 1.5 hours	Storm drain	300 gal	Blockage in line	Told owner to jet rod regularly	None
Suffield Meadow Dr	4/22/2013 12 hours	No	2000 gal	Broken force main	Fixed force main	None
Suffield WPCF	6/8/2013 15 mins	Yes	10000 gal	Heavy rain	Shut flow off to clarifier, shut off aerators and sped up ras	None
Suffield WPCF	8/13/2015 2 hours	Yes	Approx. 80000 gal	Turbid effluent	Turned on second uv bank	None
Ffyler Place	6/3/2015 1 hour	No	50 gal	Blockage in line	Jet rod on regular basis	None
20 Cross Street	4/2/2016 20 mins	Yes	500 gal	Blockage in line	Replaced faulty pipe	None

Location	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	Sampling data (if applicable)
Shad Row	12/25/2016 30 mins	No	50 gal	Blockage roots	Jet rod on regular basis	None
4 Kenny Roberts Memorial Dr	12/29/2016 30 mins	No	Approx. 1000 gal	Blockage in lateral	Told owner not to throw rubber gloves and rags in lateral	None
4 Kenny Roberts Memorial Dr	2/21/2017 3 hours	No	50 gal	Blockage in lateral	Told owner to have lined cleaned and not to throw gloves in lateral	None
Bridge St pump station	6/7/2017 1.5 hours	Yes	Approx. 5000 gal	Too much i/i	PVC lateral cap was off letting water in. Pipe has been fixed	None
1680 Mapleton Ave	9/17/2017 1 hour	No	100 gal	Valve on force main	Valve was fixed by company who put in low pressure system	None
Thrall by rt 159	12/6/2017 24 hours	No	Approx. 500 gal	Faulty controls	Faulty controls on private pump	None
454 Hickory St	11/9/2017 31 hours	No	Approx. 500 gal	Force main broken	Hole was pumped out of sewage. Contractor fixed force main.	None
1456 North St	3/18/2018 2 mins	No	50 gal	Lateral blocked	Lateral was blocked/homeowner to get line cleaned	None
Suffield WPCF	5/17/2018 24 hours	Yes	Unknown	UV failure	UV system will be checked for service	None
500 N Main St	12/12/2018 24 hours	No	<300 gal	Lateral Hit	Lateral hit by contractor was attached to new gravity line	None
1264 River Boulevard	6/12/2019 24 hours	No	Approx.5000 gallons	Force main broken	Force main was repaired	None
28 Stoney Brook	3/12/2019 2 hours	No	50 gallons	Pavement in manhole	Pavement was removed and line was cleaned	None
844 East Street South	12/14/2019 45 minutes	Yes	Less than 100,000 gal	Blow out in Clarifier	Aerators were shut down/Retraining with operators on alarms	None
490 Hickory St	5/2/2020 15 minutes	No	Approx. 100 gallons	Contractor	Contractor hit sewer lateral curb box and fixed curb box	None
1250 East Street South	11/16/2020 30 minutes	Storm drain	Approx. 5 gallons	foam from HOOD	Hood contacted DEEP and paid for clean up	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.

- Currently, phone calls are received by the Department of Public Works from citizen's reporting possible illicit discharges.
- The Town will continue tracking illicit discharges using an excel table. DPW is responsible for tracking the information.

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
1321	Hill Street	Tank Only Failure	Replaced Tank	N/A
1133	Mapleton Avenue	Tank Only Failure	Replaced Tank	N/A
1680	Mapleton Avenue	Tank Only Failure	Replaced Tank	N/A
1469	Mountain Road	Tank Only Failure	Replaced Tank	N/A
1089	North Grand Street	Tank Only Failure	Replaced Tank	N/A
80	North Stone Street	Tank Only Failure	Replaced Tank	N/A
12	Pondview Lane	Tank Only Failure	Replaced Tank	N/A
831	Ratley Road	Tank Only Failure	Replaced Tank	N/A
270	South Stone Street	Tank Only Failure	Replaced Tank	N/A
76	South Stone Street	Tank Only Failure	Replaced Tank	N/A
217	Stiles Road	Tank Only Failure	Replaced Tank	N/A
302	Babbs Road	Septic System and/or Tank Failure	Septic System Repaired	N/A
169	Birch Rd	Septic System and/or Tank Failure	Septic System Repaired	N/A
611	Halladay Ave	Septic System and/or Tank Failure	Septic System Repaired	N/A
856	Halladay Ave	Septic System and/or Tank Failure	Septic System Repaired	N/A
665	Halladay Avenue West	Septic System and/or Tank Failure	Septic System Repaired	N/A
255	Halladay Drive	Septic System and/or Tank Failure	Septic System Repaired	N/A
1171	Hill Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
1620	Hill Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
1167	Mountain Road	Septic System and/or Tank Failure	Septic System Repaired	N/A
1310	Mountain Road	Septic System and/or Tank Failure	Septic System Repaired	N/A
751	Mountain Road	Septic System and/or Tank Failure	Septic System Repaired	N/A
1140	Newgate Road	Septic System and/or Tank Failure	Septic System Repaired	N/A
760	North Grand Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
1280	North Stone Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
1427	North Stone Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
595	North Stone Street	Septic System and/or Tank Failure	Septic System Repaired	N/A
1254	South Street	Septic System and/or Tank Failure	Septic System Repaired	N/A

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	298
Estimated or actual number of interconnections	9
Outfall mapping complete	95%
Interconnection mapping complete	95%
System-wide mapping complete (detailed MS4 infrastructure)	80%
Outfall assessment and priority ranking	298 outfall have initial rankings
Dry weather screening of all High and Low priority outfalls complete	275 of 298
Catchment investigations complete	2 investigations have been initiated and are substantially complete
Estimated percentage of MS4 catchment area investigated	1%

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).

- An MS4 and IDDE training program has been developed and will be implemented for presentation to all Town personnel in 2021 that may come in contact with stormwater or that may review applications and plans that impact stormwater quality. This training will be conducted on an annual basis, or as needed when new employees are added.

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/ projected	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	In Progress	Barton and Loguidice, the Town's consultant, is in the process of reviewing current Town regulations and ordinances in compliance with the MS4 General Permit.	Review and update regulations	Planning & Zoning	Jul 1, 2019	December 2021	The Town will continue to update ordinances/ regulations to improve compliance with MS4 General Permit.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed/ projected	Additional details
4-2 Develop/ Implement plan for interdepartmental coordination in site plan review and approval	Complete	Applications are received by WPCA or North Central Health District. Depending on the proposed project, the following will review the development plans: Planning and Zoning, Inland Wetlands, Engineering. Pre-application meetings are conducted with Town staff for larger projects.	Coordinate functions of departments involved	Department of Public Works	Jul 1, 2017	Jul 1, 2017 On-going	
4-3 Review site plans for stormwater quality concerns	Complete	The Town conducted the necessary site plan reviews during the reporting period.	Review all design plans for regulation consistency	Planning & Zoning	Jul 1, 2017	On-going	
4-4 Conduct site inspections	Complete	The Town conducted the necessary site inspections during the reporting period.	Continue inspection and checklist program	Planning & Zoning	Jul 1, 2017	On-going	
4-5 Implement procedure to allow public comment on site development	Complete	The Town follows all State public notice and hearing requirements. The Town follows up on all comments and complaints received.	Adhere to public comment and hearing requirements	Department of Public Works	Jul 1, 2017	Jul 1, 2017 On-going	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	In Progress	Town ordinance requires developers comply with State requirements for stormwater. The Town has updated application forms to provide notification including a check box in the conditions of approval.	Update applications to include determining if other authorization is required	Planning & Zoning	Jul 1, 2017	Jul 1, 2018	Will review current procedures and improve for compliance with MS4 general permit. Permit requirements will be added to the stormwater link. Town continues working with web master to update the stormwater link from website.

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

- The Town will work towards finalizing approvals for updating the Town ordinances to include being able to enforce land use regulations.
- Continue to review all design plans for regulation consistency.
- Continue the site inspection and checklist program.
- Continue to follow all State public notice and hearing requirements and follow up on all comments and complaints received.
- Add Construction Stormwater GP requirements to the stormwater website.

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/ projected	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	In Progress	Barton and Loguidice, the Town's consultant, is in the process of reviewing current Town LID regulations in compliance with the MS4 General Permit.	Review/Update regulations	Planning & Zoning	Jul 1, 2021	December, 2021	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	In Progress	The Town currently enforces runoff reduction requirements through the Subdivisions Regulations.	Review/Update regulations	Planning & Zoning	Jul 1, 2019	December, 2021 On-going	The Town will review its current LID regulations in compliance with the MS4 GP.
5-3 Identify retention and detention ponds in priority areas	Substantially Complete	Known ponds under the control of the Town have been mapped.	Inventory Town Facilities	Public Works/ Engineering	Jul 1, 2019	Jul 1, 2019	The Town is reviewing structures in subdivisions to verify if they should be added to the Town's responsible list.
5-4 Implement long-term maintenance plan for stormwater basins & treatment structures	Substantially Complete	The Town maintains sedimentation structures on an as needed basis. Many of the basins in Town are the responsibility of the subdivision Home Owner's Association. A formal draft maintenance plan is in the process of being reviewed.	Develop maintenance plan	Planning & Zoning	Jul 1, 2019	Jul 1, 2019 On-going	The Town is reviewing current procedures and will improve for compliance with MS4 GP. The Town is reviewing structures in subdivisions to verify if they need to be added to the Town's responsible list.
5-5 DCIA Mapping	Substantially Completed	The DCIA for the priority areas have been calculated using the available impervious cover layers.	Calculate DCIA	Planning & Zoning	Jul 1, 2020	Jan 31, 2020 On-going	The DCIA mapping will be updated, as necessary, to include retrofit, development and development projects.
5-6 Address post-construction issues in areas with pollutants of concern	To be Started	None	Prioritize area for retrofit	Planning & Zoning	Not specified	On-going	

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

- Complete the review process for regulations including: site planning requirements, zoning regulations, street design regulations and infrastructure specifications to identify/ reduce/ eliminate existing regulatory barriers to implementation of LID and runoff reduction practices.
- Continue to enforce runoff reduction requirements for development and redevelopment projects.
- Review and identify/map subdivision retention and detention ponds in priority areas that the Town should take over responsibility.
- Finalize and implement long-term maintenance plan for ponds and structures, including inspecting ponds/structures annually and removing sediment in excess of 50% design capacity.
- Continue updating the DCIA mapping, as necessary.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics		
Baseline (2012) Directly Connected Impervious Area (DCIA)	112.7	acres
DCIA disconnected (redevelopment plus retrofits)	Unknown	acres this year / acres total
Retrofits completed	Unknown	#
DCIA disconnected	TBD	% this year / % total since 2012
Estimated cost of retrofits	Unknown	$
Detention or retention ponds identified	33	# total

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

- To calculate the baseline DCIA for the Town of Suffield, Barton & Loguidice used the process found on the CT NEMO website. CT NEMO developed 5 formulas to calculate the DCIA and Impervious Cover (IC) independently for each basin in the Town using the percent DCIA for the basin with the state DCIA removed from the equation. Barton & Loguidice took the formulas and created a bell curve to input the calculated percent of DCIA for each basin and calculate the total DCIA and IC amounts for the Town. Each basin value was added together to create the baseline for the DCIA and IC for the Town.

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/ projected	Additional details
6-1 Develop/ implement formal employee training program	In Progress	Due to COVID-19, a training event was not completed in 2020. A training program was developed and annual training is scheduled to be conducted in 2021.	Implement training relevant to the department	DPW, Recreation and Parks, Planning & Zoning	Jul 1, 2017	On-going	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed/ projected	Additional details
6-2 Implement MS4 property and operations maintenance	Complete	Salt piles are stored under cover and on impervious surfaces. Town industrial stormwater discharges are monitored. Vehicle maintenance is performed undercover. Annual fall leaf collection program is conducted and disposal is provided at the landfill.	Evaluate and optimize maintenance procedures	Department of Public Works	Jul 1, 2018	Jul 1, 2018 On-going	The Town continues reviewing current practices and looking for areas for optimization. Town is reviewing a policy to maintain private stormwater features.
6-3 Implement coordination with interconnected MS4s	In Progress	The Town only knows of connections with the State.	Coordinate interconnects	Department of Public Works	Not specified	On-going	There are no interconnections the town knows of other than with the State DOT.
6-4 Develop/ implement program to control other sources of pollutants to the MS4	In Progress	The Town has identified industrial facilities not registered under the DEEP's Industrial Stormwater General Permit. The Town has identified Bruce Park as a potential location of where pet waste receptacles can be installed.	Identify Sources	Department of Public Works	Not specified		The Town plans on notifying industrial facilities of their requirements to register under the Industrial Stormwater GP.
6-5 Evaluate additional measures for discharges to impaired waters*	To be Started	None	Designate measures for impaired waters	Department of Public Works	Not specified		
6-6 Track projects that disconnect DCIA	In Progress	A table was created for tracking disconnected DCIA.	Document existing DCIA that is disconnected	Highway Department, Department of Public Works	Jul 1, 2017	Jul 1, 2018 On-going	The Town is starting tracking disconnected DCIA using the table it created.
6-7 Develop/ implement infrastructure repair/rehab program	In Progress	All road projects include new catch basin tops and new basins are installed, as necessary.	Prioritize/implement repairs	Department of Public Works	Jul 1, 2021	December 2021 On-going	The Town continues reviewing current practices and looking for areas for optimization.
6-8 Develop/ implement plan to identify/ prioritize retrofit projects	In Progress	In 2021, the Town will continue efforts to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.	Develop retrofit project plan	Department of Public Works	Jul 1, 2020	December 2021	
6-9 Implement retrofit projects to disconnect 2% of DCIA	In Progress	In 2021, the Town will continue efforts to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.	Implement retrofit projects	Engineering	Jul 1, 2022	Jul 1, 2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed/ projected	Additional details
6-10 Develop/ implement street sweeping program	Complete	All Town streets are swept annually, concentrating on high priority areas.	Sweep streets once annually	Department of Public Works	Jul 1, 2017	Jul 1, 2017 On-going	The Town continues reviewing current practices and looking for areas for optimization.
6-11 Develop/ implement catch basin cleaning program	Complete	Catch basins were inspected and cleaned out, as necessary, to the maximum extent practicable.	Maintain current program	Department of Public Works	Jul 1, 2020	Jul 1, 2017 On-going	The Town continues reviewing current practices and looking for areas for optimization.
6-12 Develop/ implement snow management practices	Complete	Streets & municipal lots were plowed and treated, as necessary.	Continue snow management	Department of Public Works	Jul 1, 2018	Jul 1, 2018 On-going	The Town continues reviewing current practices and looking for areas for optimization.

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

- Conduct annual MS4 training events.
- Continue to review MS4 property and operations maintenance practices and look for areas for optimization.
- Notify industrial facilities of their requirements to register under the Industrial Stormwater GP.
- Continue tracking disconnected DCIA using the table created.
- Continue efforts to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.
- Continue street sweeping, catch basin cleansing and snow management practices.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Due to COVID-19, an MS4 training event was not completed in 2020.
Street sweeping	
Curb miles swept	~160 miles
Volume (or mass) of material collected	~1,000 tons
Catch basin cleaning	
Total catch basins in priority areas	TBD
Total catch basins in MS4	~3,000
Catch basins inspected	Unknown
Catch basins cleaned	Unknown
Volume (or mass) of material removed from all catch basins	Unknown
Volume removed from catch basins to impaired waters (if known)	Unknown

Snow management	
Type(s) of deicing material used	Clearlane Salt
Total amount of each de-icing material applied	~2,200 tons
Type(s) of deicing equipment used	Trucks
Lane-miles treated	~160 miles
Snow disposal location	N/A
Staff training provided on application methods & equipment	Yes – as necessary
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	N/A
Reduction in turf area (since start of permit)	N/A
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
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 will all be inspected, cleaned out, and the sumps will be measured. A second round of inspections and cleaning will be conducted and the amount of material removed will be recorded. A list will be generated and the catch basins with the most material present will be put on a more frequent cleaning schedule to ensure that the 50% design capacity for the sump is not exceeded.

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.
In 2021, the Town will continue working with its consultant to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.
In 2021, the Town will continue working with its consultant to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.
In 2021, the Town will continue working with its consultant to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.

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) All fifteen (15) known outfalls that directly discharge to impaired waterways in the Town of Suffield have been screened and sampled during wet weather events.
2) Based on the results of the sample analyses, the following six (6) outfalls will require a follow-up investigation during a wet weather event and are potential sources of illicit discharges to impaired waterbodies: BOST4, CANA3, COPP6, RIVV1, SGRA1, and SGRA2. The discharge from BOST4, SGRA1, and SGRA2 had a significantly higher turbidity than the water upstream; while CANA3, COPP6, and RIVV1 were all discharging water with higher bacteria content than the established TMDL.
3) Based on the resulted of the remaining samples collected at the end of 2020, the top six (6) worst outfalls have been selected and will began annual sampling in the spring of 2021.

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

2.1 Screening data collected under 2017 permit

Outfall ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Lab	Investigation Required?
BOST2	41.957987	-72.63048	12/28/2018	5.97	2.93		Phoenix	NO
BOST4	41.96518248	-72.64229996	12/28/2018	15.4	3.54		Phoenix	YES
BOST9	41.964923	-72.641922	12/28/2018	6.44	2.47		Phoenix	NO
CANA3	41.991095	-72.655609	11/23/2020			987	Phoenix	YES
COPP5	42.003	-72.7557	11/23/2020			41	Phoenix	NO
COPP6	42.001396	-72.609251	11/23/2020			4350	Phoenix	YES
MARB1	42.001203	-72.609313	12/28/2018	3.20	4.14		Phoenix	NO
PATR1	41.999542	-72.60928	12/28/2018			10	Phoenix	NO
RIVE5	41.987189	-72.60556	12/28/2018			52	Phoenix	NO
RIVE6	42.003265	-72.752165	12/28/2018			< 10	Phoenix	NO
RIVE7	42.003138	-72.752169	12/28/2018			< 10	Phoenix	NO
RIVV1	42.01600193	-72.60797299	11/23/2020			865	Phoenix	YES
SGRA1	41.96096544	-72.71029961	11/23/2020	10.13	1.9		Phoenix	YES
SGRA2	41.96079116	-72.71023947	11/23/2020	8.41	1.9		Phoenix	YES
STRA3	42.00349	-72.75482	11/23/2020			20	Phoenix	NO

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	Laboratory (if used)	Follow-up required?
C-1	11/19/15	E. coli; Other (Turbidity)	350 MPN/100 mL; 14 NTU	Phoenix	No
C-1	11/24/14	E. coli; Other (Turbidity)	80 MPN/100 mL; 16 NTU	Phoenix	No

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
It is anticipated that this will be initiated in 2021		

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	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
Due to the limited amount of outfalls discharging to impaired waters in the Town, it was determined that all impaired outfalls should be sampled prior to selecting the top six (6) worst outfalls for annual prioritized outfall monitoring. The remaining impaired outfalls in Suffield were sampled at the end of 2020 and the top six (6) outfalls have been selected and will began annual sampling in the spring of 2021.					

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).

See attachment provided with this report

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.

Table 2.1a – Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (°C)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
ARBO1	41.95552	-72.63486	3/12/2019	412	0.189	5.9	0.25	0.08		85	Phoenix	NO
ARBO3	41.955354	-72.634405	3/12/2019	465	0.213	5.1	0.25	0.04	0.25	243	Phoenix	NO
ARBO4	41.955343	-72.63441	3/12/2019	564	0.254	5.4	0	0	0.25	122	Phoenix	NO
BARN2	42.007896	-72.626456	10/29/2019	440	0.213	14	0.25	0.1	0.25	63	Phoenix	NO
BARR1	41.97697	-72.646989	3/12/2019	1987	1.52	8.29	0	0.1	0.75	< 10	Phoenix	NO
BENN1	41.945328	-72.629736	5/4/2020	628	0.299	18.1	0	0.03	1.5	< 10	Phoenix	NO
BOST1	41.96159	-72.636667	2/27/2019	2275	1.148	1.4	0.25	0.05	0.25	< 10	Phoenix	NO
BOST11	41.972666	-72.645041	10/29/2019	273	0.132	14.1	0.25	0.05	0.25	< 10	Phoenix	NO
BRID7	41.976769	-72.618546	4/29/2020	277	0.134	11.2	0	0	0.5	< 10	Phoenix	NO
BRID8	41.979097	-72.636985	10/29/2019	742	0.363	15.1	0.25	0	1	10	Phoenix	NO
CASS1	41.995448	-72.617994	3/20/2019	1100	0.548	9.7	0.25	0.03	0.25	63	Phoenix	NO
CASS2	41.993336	-72.618139	3/20/2019	1471	0.716	10.8	0.25	0	0.5	< 10	Phoenix	NO
CHER1	42.021932	-72.658126	4/29/2020	570	0.36	13.15	0.5	0	0.25	< 10	Phoenix	NO
CHES1	42.023566	-72.752716	4/25/2019	105.9	0.05	14.7	0.25	0.15	0.25	201	Phoenix	NO
COPP3	42.011985	-72.745677	4/25/2019	511	0.29	17.33	0.25	0.07	< 0.25	< 10	Phoenix	NO
CROS1	41.993044	-72.622639	3/20/2019	669	0.327	11.4	0	0.02	0.25	31	Phoenix	NO
CROS2	41.993128	-72.623012	10/31/2018	240	0.14	15	0.25	2.2	0.75	97	Phoenix	NO
DIAN1	41.96362	-72.64272	2/27/2019	342	0.164	4.1	0	0.01	3	< 10	Phoenix	NO
DIAN2	41.961374	-72.645071	11/5/2019	654	0.313	15	0	0	0.25	30	Phoenix	NO

Table 2.1a – Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (°C)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
EDGE1	42.005296	-72.757557	4/25/2019	42	0.02	16.88	0.25	0.03	0.25	189	Phoenix	NO
ELLI1	41.975282	-72.648967	4/29/2020	111.5	0.05	12	0.25	0.07	1	121	Phoenix	NO
ELLI2	41.975144	-72.648582	3/12/2019	304	0.22	7.09	0	0.1	0.5	798	Phoenix	NO
ELLI5	41.975094	-72.647496	3/12/2019	161	0.12	6.81	0	0.2	0.5	256	Phoenix	NO
FAIR1	42.013712	-72.638971	5/4/2020	554	0.252	13.4	0	0.14	0.25	20	Phoenix	NO
FARM1	42.005017	-72.637571	5/4/2020	395	0.191	15.5	0	0	0.5	< 10	Phoenix	NO
FIRE1	41.956097	-72.653004	3/12/2019	108	0.08	5.82	0	0	0.5	20	Phoenix	NO
FIRE4	41.958923	-72.653593	3/12/2019	754	0.56	7.65	0	0	0.5	< 10	Phoenix	NO
FIRE5	41.959551	-72.653429	3/12/2019	1159	0.88	7.59	0	0.1	2	10	Phoenix	NO
FIRS1	41.995024	-72.618892	3/20/2019	554	0.25	8.9	0.25	0.02	0.25	52	Phoenix	NO
GRAS1	42.009566	-72.617097	9/26/2019	470	0.23	20.7	0.25	0.89	0.5	256	Phoenix	NO
HAAE4	42.008449	-72.633093	4/29/2020	320.1	0.15	11.9	1	0.07	0.5	< 10	Phoenix	YES
HALE6	41.963562	-72.68765	4/29/2020	541	0.242	16.7	1	0.06	0.5	< 10	Phoenix	YES
HARB1	42.015432	-72.612187	5/4/2020	557	0.252	16.8	0.5	0.02	0.25	< 10	Phoenix	YES
HARV1	41.94592	-72.625641	11/14/2019	1906	0.989	4.7	0.25	0.01	0.75	121	Phoenix	NO
HIGR1	42.009339	-72.623321	11/1/2018	547	0.27	16.88	0.25	0.04	0.25	10	Phoenix	NO
HYDR1	41.970942	-72.635745	3/12/2019	1335	0.98	9.16	0.25	0	0.25	85	Phoenix	NO
KENNI1	41.960211	-72.666963	3/12/2019	1293	1.01	7.01	0	0	0.5	20	Phoenix	NO
KENT1A	41.973042	-72.645024	3/12/2019	224	0.16	6.95	0.5	0.1	0.25	63	Phoenix	YES
KENT1B	41.973009	-72.645014	3/12/2019	339	0.22	11.99	0	0.1	0.5	52	Phoenix	NO
LAFO1	41.965023	-72.655131	4/29/2020	795	0.389	14.1	0	0	0.25	10	Phoenix	NO
LAFO2	41.96463	-72.654329	4/29/2020	744	0.362	16	0	0.05	0.25	41	Phoenix	NO
LIME1	41.968684	-72.651439	4/29/2020	172	0.0819	13.2	1	0.08	0.25	< 10	Phoenix	YES
LISE1A	42.001941	-72.628246	11/1/2018	787	0.39	18.57	0	0.06	0.25	20	Phoenix	NO
LISE2	42.002146	-72.627942	11/5/2019	400	0.191	15.3	0	0.18	0.25	20	Phoenix	NO
MARB2	41.988809	-72.651847	10/29/2019	384	0.186	14.5	0.25	0.01	0.25	84	Phoenix	NO
MARK1	41.957911	-72.659309	3/12/2019	315	0.22	8.29	0	0	0.25	< 10	Phoenix	NO
MATH3	41.959079	-72.640735	8/28/2019	145	0.0674	24.3	0.25	0.11	0.5	201	Phoenix	NO
MATH4	41.96263	-72.64102	3/12/2019	2453	1.227	7.3	0	0	0.25	10	Phoenix	NO
MELR1	42.007733	-72.636442	5/4/2020	227	0.108	16.6	0.5	0.06	0.5	< 10	Phoenix	YES

Table 2.1a – Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (°C)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
NEWG1	41.993144	-72.740328	4/25/2019	143	0.08	19.32	0.25	0.01	0	< 10	Phoenix	NO
NEWG3	41.9971	-72.7415	4/25/2019	106	0.06	19.09	0.25	0.07	0	41	Phoenix	NO
OAK1	42.012449	-72.708529	5/4/2020	876	0.479	17.6	0	0.04	0.5	< 10	Phoenix	NO
OAK2	42.01245	-72.708517	5/4/2020	84.7	0.0391	18.8	0	0.04	0.5	98	Phoenix	NO
OLDF1	42.0023	-72.7475	4/25/2019	358	0.2	18.37	0.25	0.09	0	< 10	Phoenix	NO
OLDF2	42.0026	-72.7498	4/25/2019	869	0.49	18.4	0.25	0.05	0.25	20	Phoenix	NO
OVER1	41.986228	-72.619612	3/20/2019	629	0.291	9.5	0.25	0.19	0.5	< 10	Phoenix	NO
PAPE1	41.957995	-72.622142	4/29/2020	135	0.0646	11.1	0	0	0.25	< 10	Phoenix	NO
PHEL5	41.999551	-72.736921	11/9/2018	154	0.12	4.14	0.25	0.04	0.25	< 10	Phoenix	NO
PHEL6	41.998897	-72.738234	4/25/2019	108	0.06	20.06	0.5	0	0.25	75	Phoenix	NO
PLAN2	41.986859	-72.677583	11/14/2019	669	0.327	12.9	0.25	0.05	0.25	< 10	Phoenix	NO
POOL2	41.974118	-72.668698	5/4/2020	537	0.242	13.8	0.25	0.05	0.25	10	Phoenix	NO
PROS1	41.965938	-72.67175	4/29/2020	339	0.165	14.8	0	0.06	0.5	< 10	Phoenix	NO
PROS2	41.971463	-72.664163	11/13/2019	351	0.17	6.6	0.25	0.05	0.5	84	Phoenix	NO
QUAL1	41.992495	-72.625418	10/31/2018	149	0.15	14.9	0.25	0.1	0.25	203	Phoenix	NO
QUAL2	41.992648	-72.628453	10/31/2018	408	0.24	15.7	0	0.15	0.25	201	Phoenix	NO
RAWL1	41.995782	-72.615918	10/31/2018	373	0.22	16.45	0.50	0.04	1.5	62	Phoenix	YES
REDS1	41.959316	-72.633269	2/27/2019	102	0.049	1.4	0	0.16	0.25	< 10	Phoenix	NO
REDS3	41.957813	-72.634559	3/12/2019	504	0.37	7.37	0	0		< 10	Phoenix	NO
REMI4	41.978881	-72.665484	4/29/2020	1080	0.54	12.2	0.25	0.07	0.25	< 10	Phoenix	NO
RIVE1	42.011605	-72.610348	5/4/2020	476	0.213	18.3	0	0.1	0.25	63	Phoenix	NO
RIVE2	42.011532	-72.610308	5/4/2020	394	0.189	18.8	0.25	0.09	0.25	< 10	Phoenix	NO
SECO1	41.994992	-72.620653	10/31/2018	244	0.14	15.56	0.25	0.02	0.25	189	Phoenix	NO
SETT1	41.96072	-72.6377	3/12/2019	855	0.62	8.54	0	0	0.5	< 10	Phoenix	NO
SETT2	41.96122	-72.63757	3/12/2019	1234	0.93	7.92	0	0.1	1.5	52	Phoenix	NO
SHAD1	42.009429	-72.636779	11/1/2018	792	0.39	16.21	0.25	0	0.25	31	Phoenix	NO
SILV1	42.014052	-72.63422	9/9/2019	861	0.415	20.1	0.25	0.02	0.25	10	Phoenix	NO
SILV3	42.015906	-72.629923	10/31/2018	733	0.36	16.4	0.25	0.07	0.5	388	Phoenix	NO
SOME1	42.008966	-72.634405	4/29/2020	380.2	0.18	13	0	0.08	0.75	10	Phoenix	NO
SUFF1	41.964568	-72.653421	11/7/2019	177	0.085	12.7	0	0.02	0.25	< 10	Phoenix	NO

Table 2.1a – Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (°C)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
SUFF4	41.959836	-72.649851	3/12/2019	3024	4.561	8.22	1	0.1	> 3	< 10	Phoenix	YES
SUFF6	41.95835	-72.64856	3/12/2019	274	0.201	2.7	0	0.1	0.5	10	Phoenix	NO
SUSA2	41.961334	-72.645105	4/29/2020	353	0.171	13.9	0.25	0.02	0.25	110	Phoenix	NO
SUSA3	41.96084	-72.644476	11/5/2019	343	0.166	14.2	1	0.57	0.25	213	Phoenix	YES
TAIN2	41.975626	-72.682063	4/29/2020	459.8	0.22	12.3	0	0.04	0.5	< 10	Phoenix	NO
TAIN6	41.968363	-72.690194	11/9/2018	479	0.34	8.11	0.06	0.08	3	20	Phoenix	NO
TAIN625*	41.968287	-72.690674	11/9/2018	403	0.28	8.83	0.25	0.05	0.25	< 10	Phoenix	NO
THIS1	41.998559	-72.658346	9/10/2019	911	0.437	19.4	0.25	0.12	0.75	20	Phoenix	NO
THOM1	41.997703	-72.611154	10/31/2018	204	0.12	15.17	0	0.06	0.25	457	Phoenix	NO
THOM3	41.99762	-72.62544	4/29/2020	69.3	0.03	18.2	1	0.2	0.5	10	Phoenix	YES
UCAR1	41.948936	-72.626877	5/4/2020	581	0.266	18.2	0.25	0.08	0.5	< 10	Phoenix	NO
WAIN1	41.97066	-72.664057	3/12/2019	224	0.16	7.3	0	0	0.25	10	Phoenix	NO
WEND1	42.007403	-72.652323	9/26/2019	1169	0.58	20	0.25	0.01	0.25	< 10	Phoenix	NO
WHIT1	41.967383	-72.667437	3/12/2019	659	0.48	8.56	0	0	0.5	< 10	Phoenix	NO
WILL1	41.976447	-72.655189	3/12/2019	2031	1.51	9.41	0	0	0.5	< 10	Phoenix	NO
WIND1	42.02021	-72.630394	10/31/2018	851	0.42	12.58	0.25	0.03	0.25	< 10	Phoenix	NO
WIST3	41.969835	-72.634211	11/1/2018	460	0.22	17.74	0.13	0	0.25	75	Phoenix	NO
WOBD1	42.01753	-72.625494	11/1/2018	725	0.36	15.29	0.25	2.2	0.5	109	Phoenix	NO

Table 2.1b – Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Lab	Investigation Required?
PATR1	42.003	-72.7557	4/25/2019			<10	Phoenix	NO
RIVV1	42.01600193	-72.60797299	9/10/2019			10	Phoenix	NO
RIVE7	41.999542	-72.60928	9/17/2019	1.34	0.5	41	Phoenix	NO

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
It is anticipated that this will be initiated in 2021									

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
KENT1A	Stony Brook Basin	Sanitary and Storm Drain Infrastructure >40 years Old
RAWL1	Connecticut River Basin	
SUFF4	Stony Brook Basin	Sanitary and Storm Drain Infrastructure >40 years Old
SUSA3	Stony Brook Basin	Sanitary and Storm Drain Infrastructure >40 years Old
PATR1	Mountain Brook (Suffield) -01	
RIVV1	Connecticut River Basin	Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation
RIVE7	Connecticut River (Portland/Suffield)-03	Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation
BOST4	Stony Brook (Suffield) - 01	Sanitary and Storm Drain Infrastructure >40 years Old
RIVE5	Connecticut River (Portland/Suffield)-03	Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation

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

Outfall ID	Key Junction ID	Sample Date	Visual/ olfactory evidence of illicit discharge	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)
DIAN1	CB-1177/CB-1178	11/5/19	Yes			1.5	
DIAN1	CB-1178/CB-1180	11/5/19	Yes			0.25	
DIAN1	CB-1180/CB-1157	11/5/19	Yes			0.25	
DIAN1	CB-1157/CB-1158	11/5/19	Yes			0.25	
DIAN1	CB-1176/CB-1175	11/5/19	Yes			1.5	
DIAN1	CB-1158/CB-1159	11/5/19	Yes			0.25	
DIAN1	CB-1160/CB-1159	11/5/19	Yes			0.25	
DIAN1	CB-1161/CB-1160	11/5/19	Yes			0.25	
DIAN1	UNK-8/CB-1158	11/5/19	Yes			0.25	
DIAN1	UNK-13/CB-1161	11/5/19	Yes			1.0	
DIAN1	UNK-14/CB-1161	11/5/19	Yes			0.5	
WOBD1	CB-1402/CB-1401	10/7/19	Yes		0.08		
WOBD1	CB-1400/CB-1399	10/7/19	Yes		0.10		
WOBD1	CB-1399/CB-1398	10/7/19	Yes		0.07		
WOBD1	CB-1398/CB-1397	10/7/19	Yes		0.05		
WOBD1	UNK/CB-1398	10/7/19	Yes		0.04		
WOBD1	UNK/CB-1402	10/7/19	Yes		0.02		

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
It is anticipated that this will be initiated in 2021				

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
It is anticipated that this will be initiated in 2021							

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: **Melissa M. Mack** **First Selectman**	Print name: **T.J. Therriault, EIT, CDT** **ANCHOR a Barton & Loguidice company**
Signature / Date: Melissa M Mack	Signature / Date: T.J. Therriault **3/23/2021**

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sample Score	Total Score	Priority Ranking
Information Source		Catchment inspections and sample results	Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	TBD			
APPL1	Salmon Brook Basin	0	0	0		0	1	2			0		0	3	Low
ARBO2	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
ARBO3	Stony Brook Basin	0	2	0		0	1	1			0		2	4	Low
ARBO4	Stony Brook Basin	0	1	0		0	1	1			0		1	3	Low
BARN1	Connecticut River Basin/Deep Brook	0	0	0		0	1	3			0		0	4	Low
BARN2	Connecticut River Basin/Deep Brook	0	2	0		0	1	3			0		2	6	Low
BARR2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BENN1	Connecticut River Basin	0	3	0		0	3	3			0		3	9	Low
BLOS1	Onion Brook	0	0	0		0	1	3			0		0	4	Low
BLOS2	Onion Brook	0	0	0		0	1	3			0		0	4	Low
BOST1	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
BOST10	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BOST11	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
BOST12	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BOST2	Stony Brook (Suffield) - 01	0	0	0		2	1	3			0		0	6	Low
BOST3	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
BOST4	Stony Brook (Suffield) - 01	2	0	0		2	1	3			0		2	8	High
BOST7	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BOST8	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BOST9	Stony Brook (Suffield) - 01	0	0	0		2	1	3			0		0	6	Low
BRAN1	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
BRID1	Connecticut River Basin	0	0	0		0	1	1			0		0	2	Low
BRID5	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
BRID6	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
BRID7	Connecticut River Basin	0	1	0		0	1	1			0		1	3	Low
BRID8	Connecticut River Basin	0	2	0		0	1	3			0		2	6	Low
BROA1	Great Brook Basin	0	0	0		0	1	2			0		0	3	Low
BROK1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
CANA1	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CANA2	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CANA3	Connecticut River (Portland/Suffield)-03	2	0	3		3	1	3			0		2	12	High
CANA4	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CANA5	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CANA6	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CASS2	Rawlins Brook	0	1	0		0	1	1			0		1	3	Low
CATH2	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
CEDA1	Threemile Brook Basin/Fourmile Brook	0	0	0		0	1	1			0		0	2	Low
CHER1	Muddy Brook Basin	0	2	0		0	1	1			0		2	4	Low
CHES1	Great Brook Basin	0	3	0		0	1	3			0		3	7	Low
CHES2	Great Brook Basin	0	0	0		0	1	3			0		0	4	Low
CLAY1	Threemile Brook Basin	0	0	0		0	1	1			0		0	2	Low
CLAY2	Threemile Brook Basin	0	0	0		0	1	1			0		0	2	Low
CLAY3	Threemile Brook Basin	0	0	0		0	1	1			0		0	2	Low
COLD2	Threemile Brook Basin	0	0	0		0	1	2			0		0	3	Low
COLS2	Muddy Brook Basin	0	0	0		0	2	3			0		0	5	Low
CONS3	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
COPP1	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
COPP2	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
COPP3	Mountain Brook	0	2	0		0	1	3			0		2	6	Low
COPP5	Mountain Brook (Suffield)-01	0	0	0		3	1	3			0		0	7	Low
COPP6	Mountain Brook (Suffield)-01	3	0	0		3	1	3			0		3	10	High
CROS1	Connecticut River Basin	0	2	0		0	1	3			0		2	6	Low
CROS2	Connecticut River Basin	0	9	0		0	2	3			0		9	14	High
CROS3	Connecticut River Basin	0	2	0		0	1	3			0		2	6	Low
DDCB_COLS1	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
DDCB_COLS2	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
DDCB-PHEL1	Salmon Brook Basin	0	2	0		0	1	3			0		2	6	Low
DDCB-PHEL2	Salmon Brook Basin	0	2	0		0	1	3			0		2	6	Low
DEVI1	Connecticut River Basin	0	0	0		0	1	2			0		0	3	Low
DEVI2	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
DIAN1	Stony Brook Basin	0	3	0		0	1	3			0		3	7	Low
EDGE1	Salmon Brook Basin	0	2	0		0	1	1			0		2	4	Low
EDGE2	Salmon Brook Basin	0	0	0		0	1	1			0		0	2	Low
ELLI3	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
ELLI5	Stony Brook Basin	0	3	0		0	1	1			0		3	5	Low
FAIR1	Threemile Brook Basin	0	3	0		0	1	3			3		3	10	High
FAIR2	Threemile Brook Basin	0	0	0		0	1	3			0		0	4	Low
FARM2	Threemile Brook Basin	0	1	0		0	2	1			0		1	4	Low
FARM3	Threemile Brook Basin	0	1	0		0	2	1			0		1	4	Low
FARM4	Threemile Brook Basin	0	0	0		0	2	1			0		0	3	Low
FIRE6	Little Brook	0	1	0		0	3	3			0		1	7	Low
GRAS1	Connecticut River Basin/Deep Brook	0	5	0		0	1	2			0		5	8	Low
GRAS3	Deep Brook	0	0	0		0	1	2			0		0	3	Low
GRAS5	Deep Brook	0	0	0		0	1	2			0		0	3	Low
HAAE1	Fourmile Brook	0	0	0		0	1	3			0		0	4	Low
HAAE4	Fourmile Brook	0	3	0		0	1	3			0		3	7	High
HALA1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALA2	Philo Brook	0	0	0		0	1	3			0		0	4	Low
HALE1	Stony Brook Basin/Stony Brook	0	0	0		0	1	3			0		0	4	Low
HALE10	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALE2	Spencer Brook	0	0	0		0	1	3			0		0	4	Low
HALE3	Spencer Brook	0	0	0		0	1	3			0		0	4	Low
HALE4	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALE5	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALE6	Stony Brook Basin	0	3	0		0	1	3			0		3	7	High
HALE7	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALE8	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HALE9	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
HARB1	Connecticut River Basin	0	3	0		0	1	2			0		3	6	High
HARV1	Connecticut River Basin	0	2	0		0	3	3			0		2	8	Low
HARV2	Connecticut River Basin	0	0	0		0	3	3			0		0	6	Low
HARV3	Connecticut River Basin	0	3	0		0	3	3			0		3	9	Low
HARV4	Connecticut River Basin	0	3	0		0	3	3			0		3	9	Low
HARV5	Connecticut River Basin	0	1	0		0	3	3			0		1	7	Low
HERI2	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
HICK1	Fourmile Brook	0	0	0		0	1	3			0		0	4	Low
HIGR1	Connecticut River Basin	0	2	0		0	1	2			0		2	5	Low
HILL1	Muddy Brook Basin/Muddy Brook	0	0	0		0	1	3			0		0	4	Low
HILL2	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
HILL3	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
HILL4	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
HUCK1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
HUNT1	Stony Brook Basin	0	0	0		0	2	2			0		0	4	Low
HUNT2	Stony Brook Basin	0	0	0		0	2	2			0		0	4	Low
HYDR1	Stony Brook Basin	0	1	0		0	2	1			0		1	4	Low
JACQ1	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
KENNI2	Stony Brook Basin	0	0	0		0	1	2			0		0	3	Low
KENT1A	Stony Brook Basin	0	3	0		0	1	3			0		3	7	High
KENT1B	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
KENT2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
KENT3	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
LAFO2	Little Brook	0	2	0		0	1	1			0		2	4	Low
LEBR1	Great Brook Basin	0	0	0		0	1	3			0		0	4	Low
LIME2	Stony Brook (Suffield) - 01	0	1	0		0	2	1			0		1	4	Low
LISE3	Connecticut River Basin	0	0	0		0	1	1			0		0	2	Low
LISE4	Connecticut River Basin	0	0	0		0	1	1			0		0	2	Low
LONG1	Threemile Brook Basin	0	0	0		0	1	3			0		0	4	Low
MAGN1	Muddy Brook Basin	0	0	0		0	1	2			0		0	3	Low

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sample Score	Total Score	Priority Ranking
Information Source		Catchment inspections and sample results	Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	TBD			
MAGN2	Muddy Brook Basin	0	0	0		0	1	2			0		0	3	Low
MAPL1	Threemile Brook Basin	0	0	0		0	1	3			0		0	4	Low
MAPL3	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
MAPL4	Threemile Brook Basin	0	0	0		0	1	3			0		0	4	Low
MAPL5	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
MAPL6	Threemile Brook Basin	0	0	0		0	1	3			0		0	4	Low
MAPL7	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
MARB1	Muddy Brook (Suffield)-01	0	0	0		3	1	3			0		0	7	Low
MARB2	Muddy Brook Basin	0	1	0		0	1	3			0		1	5	Low
MARK1	Stony Brook Basin/Little Brook	0	1	0		0	3	1			0		1	5	Low
MATH1	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
MATH2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
MATH3	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
MATH4	Stony Brook Basin	0	1	0		0	1	3			0		1	5	Low
MATH5	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
MELR1	Threemile Brook Basin	0	0	0		0	1	1			0		0	2	High
MICH2	Connecticut River Basin	0	0	0		0	1	2			0		0	3	Low
NEWG1	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
NEWG2	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
NEWG3	Salmon Brook Basin	0	1	0		0	1	3			0		1	5	Low
NSTO1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO3	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO4	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO5	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO6	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
NSTO7	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
OAK1	Muddy Brook Basin	0	2	0		0	1	3			0		2	6	Low
OAK2	Muddy Brook Basin	0	2	0		0	1	3			0		2	6	Low
OLDF1	Salmon Brook Basin	0	1	0		0	1	2			0		1	4	Low
OLDF2	Salmon Brook Basin	0	2	0		0	1	2			0		2	5	Low
PAPE1	Stony Brook Basin	0	1	0		0	1	3			0		1	5	Low
PATR1	Mountain Brook (Suffield) -01	0	0	0		3	1	2			0		0	6	Low
PHEL1	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL10	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL11	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL12	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL14	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL2	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL3	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL4	Salmon Brook Basin	0	1	0		0	1	3			0		1	5	Low
PHEL5	Salmon Brook Basin	0	2	0		0	1	3			0		2	6	Low
PHEL6	Salmon Brook Basin	0	2	0		0	1	3			0		2	6	Low
PHEL7	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL8	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PHEL9	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
PLAN1	Muddy Brook Basin	0	0	0		0	1	2			0		0	3	Low
PLAN2	Muddy Brook Basin/Kents Pond	0	2	0		0	2	2			0		2	6	Low
POND1	Great Brook Basin	0	0	0		0	1	3			0		0	4	Low
POND2	Great Brook Basin	0	0	0		0	1	3			0		0	4	Low
POOL1	Stony Brook Basin	0	0	0		0	2	3			0		0	5	Low
POOL2	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
PROS1	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
PROS2	Stony Brook	0	2	0		0	1	3			0		2	6	Low
PROS3	Stony Brook	0	0	0		0	1	3			0		0	4	Low
QUAL1	Connecticut River Basin	0	2	0		0	2	3			0		2	7	Low
QUAL2	Connecticut River Basin	0	3	0		0	2	3			0		3	8	Low
RATL1	Rattlesnake Swamp	0	0	0		0	1	3			0		0	4	Low
RATL2	Rattlesnake Brook	0	0	0		0	1	3			0		0	4	Low
RATL3	Rattlesnake Brook	0	0	0		0	1	3			0		0	4	Low
RATL4	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
RAWL1	Connecticut River Basin/Rawlins Brook	0	4	0		0	2	1			3		4	10	High
REDS2	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
REDS3	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
REDS4	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
REDS7	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
REMI1	Stony Brook	0	0	0		0	1	3			0		0	4	Low
REMI2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
REMI3	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
REMI4	Muddy Brook Basin	0	2	0		0	1	3			0		2	6	Low
REMI5	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
REMI6	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
RISI1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
RIVE1	Connecticut River Basin	0	2	0		0	1	3			0		2	6	Low
RIVE2	Connecticut River Basin	0	2	0		0	1	3			0		2	6	Low
RIVE3	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
RIVE4	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
RIVE5	Connecticut River (Portland/Suffield)-03	0	0	0		3	1	3			0		0	7	Low
RIVE6	Connecticut River (Portland/Suffield)-03	0	0	0		3	1	3			0		0	7	Low
RIVE7	Connecticut River (Portland/Suffield)-03	0	2	0		3	1	3			0		2	9	Low
RIVE8	Connecticut River Basin/Deep Brook	0	0	0		0	1	3			0		0	4	Low
RIVV1	Connecticut River (Portland/Suffield)-03	1	3	0		3	2	3			0		4	12	High
ROSE3	Stony Brook Basin	0	0	0		0	1	2			0		0	3	Low
RUSS1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
RUSS2	Clay Brook	0	0	0		0	1	3			0		0	4	Low
RUSS3	Philo Brook	0	0	0		0	1	3			0		0	4	Low
SETT2	Stony Brook Basin	0	3	0		0	1	1			0		3	5	Low
SGRA1	Stony Brook (Suffield) - 03	2	0	0		2	1	3			0		2	8	High
SGRA2	Stony Brook (Suffield) - 03	1	0	0		2	1	3			0		1	7	High
SHAD2	Threemile Brook Basin	0	0	0		0	1	2			0		0	3	Low
SHAD3	Threemile Brook Basin	0	0	0		0	1	2			0		0	3	Low
SHAD4	Threemile Brook Basin	0	0	0		0	1	2			0		0	3	Low
SILV1	Threemile Brook Basin/Fourmile Brook	0	2	0		0	1	2			0		2	5	Low
SILV2	Threemile Brook Basin/Fourmile Brook	0	0	0		0	2	2			0		0	4	Low
SILV3	Threemile Brook Basin/Fourmile Brook	0	2	0		0	2	2			0		2	6	Low
SILV4	Threemile Brook Basin	0	0	0		0	2	2			0		0	4	Low
SMAI1	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
SOME1	Fourmile Brook	0	0	0		0	1	3			0		0	4	Low
SPAR1	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
SPRU1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
SPRU2	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
SPRU3	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
STRA2	Salmon Brook Basin	0	0	0		0	1	1			0		0	2	Low
STRA3	Mountain Brook (Suffield)-01	0	0	0		0	1	1			0		0	2	Low
SUFF1	Little Brook	0	2	0		0	1	3			0		2	6	Low
SUFF2	Little Brook	0	0	0		0	1	3			0		0	4	Low
SUFF3	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
SUFF4	Stony Brook Basin	0	5	0		0	1	3			0		5	9	High
SUFF5	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
SUFF6	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
SUFF7	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
SUFF8	Stony Brook Basin	0	1	0		0	1	3			0		1	5	Low
SUNS1	South Pond	0	0	3		0	1	3			0		0	7	Low
TAIN1	Stony Brook	0	0	0		0	1	3			0		0	4	Low
TAIN2	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
TAIN3	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
TAIN4	Devine Brook	0	0	0		0	1	3			0		0	4	Low
TAIN6	Devine Brook	0	4	0		0	1	3			0		4	8	Low

Catchment ID	Receiving Water	Wet Sampling Results Indicate Likely Illicit Discharge? [1]	Dry Screening Results Indicate Likely Illicit Discharge? [1a]	Discharging to Area of Concern to Public Health? [2]	Frequency of Past Discharge Complaints	Receiving Water Quality [3]	Density of Generating Sites [4]	Age of Development/ Infrastructure [5]	Historic Combined Sewers or Septic? [6]	Aging Septic? [7]	Culverted Streams? [8]	Additional Characteristics	Sample Score	Total Score	Priority Ranking
Information Source		Catchment inspections and sample results	Catchment inspections and sample results	GIS Maps	Municipal Staff	Impaired Waters List	Land Use/GIS Maps, Aerial Photography	Land Use Information, Visual Observation	Municipal Staff, GIS Maps	Land Use, Municipal Staff	GIS and Stormwater system Maps	Other			
Scoring Criteria (Yes = Problem)		Score is determined using an extrapolated formula based on the results		Yes = 3 No = 0	Frequent = 3 Occasional = 2 None = 0	Poor = 3 Fair = 2 Good = 0	High = 3 Medium = 2 Low = 1	High = 3 Medium = 2 Low = 1	Yes = 3 No = 0	Yes = 3 No = 0	Yes = 3 No = 0	TBD			
TAIN625*	Stony Brook Basin	0	2	0		0	1	3			0		2	6	Low
TAIN7	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
TAIN8	Stony Brook Basin	0	0	0		0	1	3			0		0	4	Low
THIS1	Muddy Brook Basin	0	4	0		0	1	2			0		4	7	Low
THOM1	Connecticut River Basin	0	3	0		0	3	3			0		3	9	Low
THOM3	Connecticut River Basin	0	4	0		0	1	3			0		4	8	High
THRA1	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
THRA2	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
THRA4	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
THRA5	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
THRA6	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
THRA7	Connecticut River Basin	0	0	0		0	1	3			0		0	4	Low
TYLE1	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
UCAR1	Connecticut River Basin	0	2	0		0	3	3			0		2	8	Low
WAIN2	Stony Brook Basin	0	0	0		0	1	2			0		0	3	Low
WARN1	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
WEND1	Muddy Brook Basin	0	1	0		0	1	3			0		1	5	Low
WEND2	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
WEND3	Muddy Brook Basin	0	0	0		0	1	3			0		0	4	Low
WHEE1	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
WHEE2	Salmon Brook Basin	0	0	0		0	1	3			0		0	4	Low
WHIT2	Salmon Brook Basin	0	0	0		0	1	1			0		0	2	Low
WILL1	Stony Brook Basin	0	1	0		0	1	2			0		1	4	Low
WILL2	Stony Brook Basin	0	0	0		0	1	2			0		0	3	Low
WIND1	Threemile Brook Basin	0	2	0		0	1	1			0		2	4	Low
WIST4	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
WIST5	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
WIST6	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
WIST7	Stony Brook Basin	0	0	0		0	1	1			0		0	2	Low
WOBD1	Threemile Brook Basin/Fourmile Brook	0	8	0		0	1	2			0		8	11	High
WOOD1	Salmon Brook Basin	0	0	0		0	2	3			0		0	5	Low
WOOD2	Salmon Brook Basin	0	0	0		0	2	3			0		0	5	Low
WREN2	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
WREN3	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low
WREN4	Connecticut River Basin	0	0	0		0	2	2			0		0	4	Low

Impaired Waterbodies

Scoring Criteria:

If there's no waterbody feature identified the receiving body source will be the name of the subregional basin the outfall resides in

[1] Previous wet weather screening results indicate impacts to impaired waters including:

Total Nitrogen >2.5 mg/L, Total Phosphorous >0.3 mg/L,

E. Coli >235col/100 ml for swimming areas and >410 col/100 ml for all others or,

Total Coliform >500 col/100 ml, or Fecal coliform >31 col/100ml for Class SA and >260 Col/100ml for Class SB, or

Enterococci >104 col/100ml for swimming areas and >500 col/100ml for all others, or

Turbidity at outfall is more than 5 NTU greater than the in-stream sample.

[1a] Previous dry weather screening results indicate likely sewer input if any of the following are true:

Olfactory or visual evidence of sewage,

Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and bacteria levels greater than the water quality criteria applicable to the receiving water, or

Ammonia ≥ 0.5 mg/L, surfactants ≥ 0.25 mg/L, and detectable levels of chlorine

[2] Catchments that discharge to or in the vicinity of any of the following areas: public beaches, recreational areas, drinking water supplies, or shellfish beds

[3] Receiving water quality based on latest version of State of Connecticut Integrated Water Quality Report.

Poor = Waters with approved TMDLs (Category 4a Waters) where illicit discharges have the potential to contain the pollutant identified as the cause of the impairment

Fair = Water quality limited waterbodies that receive a discharge from the MS4 (Category 5 Waters)

Good = No water quality impairments

[4] Generating sites are institutional, municipal, commercial, or industrial sites with a potential to contribute to illicit discharges (e.g., car dealers, car washes, gas stations, garden centers, industrial manufacturing, etc.)

[5] Age of development and infrastructure:

High = Industrial areas greater than 40 years old and areas where the sanitary sewer system is more than 40 years old

Medium = Developments 20-40 years old

Low = Developments less than 20 years old

[6] Areas once served by combined sewers and but have been separated, or areas once served by septic systems but have been converted to sanitary sewers.

[7] Aging septic systems are septic systems 30 years or older in residential areas.

[8] Any river or stream that is culverted for distance greater than a simple roadway crossing.