DRAFT

2024 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:

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MS4 General Permit
Town of Suffield 2024 Annual Report
Existing MS4 Permittee
Permit Number GSM000015
January 1, 2024 – December 31, 2024

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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, 2024 to December 31, 2024 (Reporting Period).

Executive Summary

Submission of this report by the Town Suffield maintains compliance with the reporting requirements and registration (No. GSM000015) under the General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), submitted to the State of Connecticut Department of Energy and Environmental Protection (CT DEEP) Commissioner for activities located within the Town of Suffield. The Town of Suffield certifies by this report that the terms and conditions of the General Permit are being met to the maximum extent practicable (MEP).

The Town of Suffield, hired a Professional Engineering Consultant, Barton & Loguidice, LLC (B&L), who has completed much of the dry weather screening and sampling of the Town's existing and newly identified outfalls (270 municipally-owned). Through the efforts of Barton & Loguidice, the Town continues working toward the completion of all dry weather outfall Illicit Discharge Detection and Elimination (IDDE) screening and sampling, and wet weather impaired outfall sampling efforts for all of the municipally-owned outfalls identified in the Town to the MEP.

From 2021 through 2023, with assistance of B&L, the Town's MS4 system mapping was updated, as deemed necessary. Updates included correcting misidentified or missed municipal outfalls/interconnections, updating mapping identified as incorrect during field inspections, adding new structures found in the field or identified on record drawings provided by the Town that were not previously mapped, and connecting piping and catch basins to the system. Through the field investigation process, some areas of the MS4 system that were previously mapped by geo-referencing as-built drawings in GIS were identified as incorrect and needed to be updated based on actual field conditions. These areas of the Town's system mapping were able to be resolved by adding missing structures and piping corrected to match the true conditions. In 2021 & 2022, B&L also identified sanitary sewer overflows (SSOs) and failing septic systems to aid in tracking potential illicit discharge sources. Town-owned properties were also mapped to begin locating suitable areas for disconnecting directly connected impervious areas (DCIA) as part of the Retrofit Project. In 2023, B&L exhausted extensive efforts to complete the catchment delineations for each Town-owned outfall, which includes creating a watershed, or catchment area, for each outfall. The outfall catchment delineations identifies the areas that are contributing to each outfall and can help assist in illicit discharge investigations, identifying potential pollutant sources, maintenance actives, system watershed planning and identifying where each catch basin and structure will ultimately discharge to.

To date, dry weather screening and sampling efforts have been completed at 259 of 270 municipal outfalls and a total of 86 samples have been collected. Seven of the 86 samples collected have been identified with suspected illicit discharges and were ranked at the top of the high priority category for further investigations.

To date, all 14 impaired outfalls have been sampled during wet weather events and six of those outfalls were identified with suspected illicit discharge and were ranked at the top of the high priority category for further investigations. These six suspected illicit discharges are also identified as the six priority wet weather outfalls to be sampled annually by B&L. Recently, the impaired waterbody list for the state of Connecticut was been updated thus changing which outfalls are considered impaired.

In 2023, wet weather sampling from the priority six outfalls was completed. Because of the limited amount of qualifying rain events in 2024, B&L was unable to collect the annual priority six outfalls during a wet weather event. These samples will continue to be collected in 2025. Mountain Brook was removed from the impaired waterbodies list in 2021 based on the 2020 Integrated Water Quality Report (IWQR). Based on the updated impaired waterbodies in the 2020 IWQR, the following outfalls are no longer discharging to an impaired waterbody: COPP5, COPP6, STRA2 and PATR1. The total number of outfalls discharging to impaired waterbodies was decreased from 18 to 14. COPP6 was previously selected as a priority outfall for annual monitoring; this outfall was replaced by outfall SGRA2 in 2023 for annual monitoring and COPP6 was added to the top of the high priority list for future investigations.

To date, 12 IDDE investigations were initiated, nine locations were either fully or partly screened and three were unable to be completed because they were dry during the first round of screening. In 2024, additional screening and sampling efforts were completed on the high priority outfalls catchment areas identified for investigations and follow-up samples were collected at 16 locations. Further attempts will be made to complete these investigations, most likely during the spring of 2025, when the groundwater levels are higher. Once sources are confirmed, the Town will be providing notifications to the property owners.

To date, B&L has completed significant efforts to conduct inspections at 29 of the 34 assumed municipal stormwater treatment structures. B&L will continue to review the existing structures against available mapping to accurately map all known treatment structures for the Town. It is anticipated that B&L will complete the reporting for the previously inspected stormwater treatment structures, including recommended maintenance schedule and cost, early in 2025 and will continue to inspect any new structures identified in 2025, as necessary.

All town-owned properties have been mapped and the sites with the greatest amount of impervious area were identified as potential candidates for retrofit projects. The Town will continue working with B&L to identify and prioritize potential projects for the Retrofit Program to the maximum extent practicable.

To date, B&L has identified all industrial and commercial facilities within the Town that likely needed to be registered for CT DEEP's Industrial and Commercial Stormwater General Permits, who are not currently registered. B&L also prepared educational brochures regarding these stormwater permits. The Town plans on posting the educational brochures to the Planning & Zoning webpage in 2025, notifying these facilities of their potential obligation to register for the stormwater general permits.

B&L evaluated the Town's land use regulations with respect to construction stormwater runoff control and post-construction stormwater management. A report was prepared comparing existing regulations to MS4 General Permit requirements. Recommended regulatory revisions were included in this report. The Town will periodically review and revise its regulations, as necessary, to improve permit compliance.

Part I: Summary of Minimum Control Measure Activities

1. PUBLIC EDUCATION AND OUTREACH (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable goal	Department/ Person Responsible	Additional details
1-1 Implement public education and outreach	A Stormwater Management Program webpage has been established. Links to various educational materials are hosted on the stormwater webpage, including Stormwater Quality Fact Sheets created by the Town for educating businesses of their impacts to stormwater.	CT DEEP, NRDC, UConn NEMO, New Hampshire Estuaries Project, EPA, Minnesota PCA	Town Website: www.suffieldct.gov/departments/public-works/stormwater	General Public	Distribute material online and social media	Department of Public Works	Educational topics included on the Stormwater Management webpage include general water quality, pet waste, household & landscaping, and business & development.
1-2 Address education/ outreach for pollutants of concern*	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.	Not Applicable	Town Website: www.suffieldct.gov/departments/landfill	General Public	Develop and Distribute Information on Bacteria Pollution and Other Pollutants of Concern	Department of Public Works	
1-3 Newspaper Article & Publication	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	The Town is looking into providing additional information on the stormwater webpage.
1-4 Household Hazardous Waste Days	A link is on the Public Works Dept. website to inform the public of the annual HHW collection days.	Not Applicable	Town Website: www.suffieldct.gov/departments/landfill	General Public	Continue qualifying local program	Department of Public Works	

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

- The Town will continue to 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 Household Hazardous Waste (HHW) collection days for Town residents to utilize at various times
- The Town will provide information on pet-waste pollution prevention and continue to provide pet-waste receptacles at locals parks and public areas

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	Date completed/ projected	Location Posted	Additional details
2-1a Final Stormwater Management Plan publicly 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 6, 2017	Town Hall, Library, and website: https://www.suffieldct.gov/departments/public-works/stormwater	The Stormwater Management Plan will be reviewed periodically and updated, as necessary.
2-1b Comply with public notice requirements for Annual Reports (annually by 2/15)	Complete/ On-going	Notice of the 2023 draft Annual Report was posted in the Journal Inquirer. 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	2023 Draft Report Notice Posted: 1/31/24 Draft Available: 2/15/24-3/28/24	Town Hall and website: https://www.suffieldct.gov/departments/public-works/stormwater	The notice for the 2024 Draft Report was posted in the Journal Inquirer 1/22/25 Draft Available: 2/14/25-3/26/25
2-2 Develop Stormwater Committee to oversee public involvement and participation program	Complete/ On-going	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	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.

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	Date completed/ projected	Additional details
3-1 Develop written IDDE program (Due 7/1/19)	In Progress	A draft IDDE Program was developed and is in the process of going through internal Town review.	Refer to BMP 3-1 of the SMP	Department of Public Works	Jun 2025	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	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	Substantially Complete Jul 1, 2019 On-going	The Town will continue to update its mapping as new information is gathered.
3-3 Implement citizen reporting program (On-going)	Complete/ On-going	The Town has added a link to the Stormwater webpage for citizen reporting of stormwater concerns. Citizens can file reports via phone calls or email. The Town also has a web link for requesting replacement trash carts.	Develop reporting program	Department of Public Works	April 1, 2021 Ongoing	The Town's citizen IDDE reporting system will continue to remain on the Town's Stormwater Management Website.
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Complete	The Illicit Discharge & Connection Stormwater Ordinance was approved at the 10/12/21 Town Meeting.	Town policies will be reviewed and updated	Planning and Zoning	Oct 12, 2021 Feb 2023	Town to adopt Stormwater Ordinance in February 2023.
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	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 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	Ongoing	

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
- Continue updating the MS4 outfall and system mapping, as necessary
- Continue to maintain master IDDE tracking spreadsheet
- Investigate illicit discharges in areas with pollutants of concern

3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

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)
No Citizen Reports recorded for illicit discharges in 2024.						
No suspected illicit discharges reported in 2024.						
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)**
SSOs occurring July 2017 through end of Reporting Period						
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 gal	Force main broken	Force main was repaired	None
28 Stoney Brook	3/12/2019 2 hours	No	50 gal	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 gal	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 gal	foam from HOOD	Hood contacted DEEP and paid for clean up	None
844 East Street South	5/20/2021 Unknown	Yes	Unknown	Possible sampling	Reinforce to operators to follow proper sampling techniques	None
480 hickory Street	3/3/2021 5 minutes	No	< 50 gal	Grinder pump	Home owner were purchasing new grinder pump	None
844 East Street South	5/21/2021 Unknown	Yes	Undetermined	Sampling	Believe E-coli test has incorrect results from improper sampling	Yes

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)
844 East Street South	9/2/2021 7 hours	Yes	Unknown	Heavy Rain	No solids went in river. We failed E-coli from heavy rain	Yes
222 Quail Run	10/11/2021 1.5 hours	No	Approx. 50 gal	Grease in pipe	Easement has been cleared and sewer line was cleaned	None
Conservation Rd. & Audubon Dr.	2/16/2022	No	Approx. 500 gal	Forced main break	Pipe was fixed	Yes
844 East Street South	12/11/2024	yes	129,000 gal	High Flows	We are work on fixing I/I in the collection system	No
844 East Street South	10/3/2024	yes	2,158,00 gal	High Flows	We are work on fixing I/I in the collection system	No

3.4 Provide a summary of actions taken to address septic failures during the Reporting Period 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	Dept. / Person responsible
544 North Grand Street	Septic System Repair	Closest waterbody is the Connecticut River	North Central District Health Department
1321 Hill Street	Septic System Repair	Closest waterbody is the Muddy Brook	North Central District Health Department
144 North Grand Street	Septic system repair	Closest waterbody is the Connecticut River	North Central District Health Department
828 Sheldon street	Septic system repair	Closest waterbody is Devine Brook	North Central District Health Department
55 Ratley Road	Septic system repair	Closest waterbody is Rattlesnake Brook	North Central District Health Department
890 Copper Hill Road	Septic system repair	Closest waterbody is Mountain Brook	North Central District Health Department
733 North Stone	Septic system repair	Closest waterbody is Rocky Gutter	North Central District Health Department
64 South Stone	Septic system repair	Closest waterbody is Rocky Gutter	North Central District Health Department
303 Copper Hill Road	Septic system repair	Closest waterbody is Mountain Brook	North Central District Health Department
905 Copper Hill Road	Septic system repair	Closest waterbody is Mountain Brook	North Central District Health Department
245 Birch road	Septic system repair	Closest waterbody is South Pond	North Central District Health Department
265 D Court	Septic system repair	Closest waterbody is Congamond lakes/ Middle pond	North Central District Health Department
241 Halladay Drive	Tank only	Closest waterbody is Congamond lakes/ Middle pond	North Central District Health Department
786 Newgate Road	Tank only	Closest waterbody is Mountain Brook	North Central District Health Department
255 Halladay Avenue West	Tank only	Closest waterbody is Congamond lakes/ Middle pond	North Central District Health Department
1089 Rattley Road	Tank only	Closest waterbody is Rattlesnake Brook	North Central District Health Department
169 Hill Street	Tank only	Closest waterbody is the Muddy Brook	North Central District Health Department

3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports.

- 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.
- The Town's stormwater website was updated in 2022 to include a REPORT A STOMRWATER CONCERN link. This link allows the general public to report any suspected illicit discharges or other general stormwater concerns, this report is forwarded directly to the Town Engineer.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	270
Estimated or actual number of interconnections	11
Outfall mapping complete	~99% - substantially complete
Interconnection mapping complete	95% - Requires additional investigation on ownership of documented interconnections
System-wide mapping complete (detailed MS4 infrastructure)	99% - including catchment delineations completed in 2023
Outfall assessment and priority ranking	270 - Initial rankings completed, process is ongoing
Dry weather screening of all High and Low priority outfalls complete	259 of 270
Catchment investigations complete	9 investigations have been initiated and are substantially complete
Estimated percentage of MS4 catchment area investigated	Approximately 5%

3.7 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 is anticipated to be implemented for presentation to all Town personnel in 2025 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. A virtual training was provided to select personnel from Public Works and the Engineering Department on February 12, 2025.

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	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 (Due 7/1/20)	In Progress	Barton & Loguidice, the Town's consultant, evaluated the Town's land use regulations and made recommendations towards improving compliance with the MS4 General Permit.	Review and update regulations	Planning & Zoning	On-going	The Town will periodically review its regulations to improve compliance with MS4 general permit to the maximum extent practicable.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (On-going)	Complete/ On-going	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 On-going	
4-3 Review site plans for stormwater quality concerns (On-going)	Complete/ On-going	The Town conducted the necessary site plan reviews during the reporting period.	Review all design plans for regulation consistency	Planning & Zoning	On-going	
4-4 Conduct site inspections (On-going)	Complete/ On-going	The Town's Conservation Commission Consultant inspects sites regularly to ensure sedimentation and erosion controls are employed properly. The frequency of inspections can vary with some being done every couple weeks to some monthly. The number of visits is estimated between 20-30 per year; however, in 2024 ~70 inspections were completed.	Continue inspection and checklist program	Planning & Zoning	On-going	The Town conducted the necessary site inspections during the reporting period.
4-5 Implement procedure to allow public comment on site development (On-going)	Complete/ On-going	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 On-going	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (On-going)	Complete	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, 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.

- Continue to update land use regulations to improve compliance with MS4 General Permit to the maximum extent practicable.
- 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 the Construction Stormwater GP requirements to the Town's 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	Date completed/ projected	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	In Progress	Barton & Loguidice, the Town's consultant, evaluated the Town's LID regulations and made recommendations towards improving compliance with the MS4 General Permit.	Review/Update regulations	Planning & Zoning	Dec 2024	The Town will periodically review its regulations to improve compliance with MS4 general permit to the maximum extent practicable.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/23)	Complete/ On-going	The Town currently enforces runoff reduction requirements through the Subdivisions Regulations.	Review/Update regulations	Planning & Zoning	Dec 2024 On-going	The Town will periodically review its regulations to improve compliance with MS4 general permit to the maximum extent practicable.
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	Substantially Complete	Known ponds under the control of the Town have been mapped.	Inventory Town Facilities	Public Works/ Engineering	Jul 1, 2019 On-going	In 2023, B&L reviewed the Town's record drawings to identify any missing stormwater treatment structures.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (On-going)	Substantially Complete/ On-going	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 plan for routine inspections and maintenance for the Town's basins and structures is in place and will be finalized by the Town. In 2021, B&L conducted stormwater structure inspections 29 of 34 stormwater treatment structures identified. Based on the inspections conducted, B&L provided the Town with a cost spreadsheet for budgeting annual maintenance.	Develop maintenance plan	Planning & Zoning	Jul 1, 2019 On-going	The Town intends to implement routine maintenance of all Town-owned stormwater basins (5 to 10 per year on a rotating basis).
5-5 DCIA mapping (Due 7/1/20)	Substantially Completed	The DCIA for the priority areas have been calculated using the available impervious cover layers.	Calculate DCIA	Planning & Zoning	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	In Progress	Meeting will be scheduled to review with Town representatives.	Prioritize area for retrofit	Planning & Zoning	On-going	No new actions were completed on this item in 2024.

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

- As necessary, revise land use regulations to comply with the requirements of the MS4 General Permit to the maximum extent practicable.
- Continue to enforce runoff reduction requirements for development and redevelopment projects.
- 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	$
Stormwater treatment structures identified (including detention/retention ponds, oil water separators, hydrodynamic separators, green infrastructure, etc.)	34	# 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	Date completed/ projected	Additional details
6-1 Develop/implement formal employee training program (On-going)	Complete/ On-Going	A virtual training was held for key stormwater personnel from the Town. A pollution prevention & good housekeeping training matrix has been developed and will be implemented in 2025. .	Implement training relevant to the department	DPW, Recreation and Parks, Planning & Zoning	On-going	
6-2 Implement MS4 property and operations maintenance (On-going)	Complete/ On-Going	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 On-going	The Town continues reviewing current practices and looking for areas for optimization. Town is reviewing a policy to maintain private stormwater features.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
6-3 Implement coordination with interconnected MS4s	In Progress	Through the outfall identification process, the Town has identified several interconnections with the CTDOT.	Coordinate interconnects	Department of Public Works	On-going	There are no known interconnections with Town MS4 systems other than with the CTDOT interconnections.
6-4 Develop/implement program to control other sources of pollutants to the MS4	Substantially Complete	The Town has identified industrial and commercial facilities not registered under the DEEP's Industrial Stormwater General Permit and Commercial General Permit. Educational brochures have been prepared and will be posted to the Town's website regarding the Industrial Stormwater General Permit and the Commercial Stormwater General Permit.	Identify Sources	Department of Public Works	Substantially Complete Sept 2021	As facility applications are reviewed, applicants are notified of their obligation to register with the State. Pet waste receptacles have been installed outside Town Hall, along Mountain Rd., Multi-use trail and the Town Green.
6-5 Evaluate additional measures for discharges to impaired waters*	In Progress	Through the IDDE investigation activities, the Town is in the process of identifying potential sources that discharge to impaired waters.	Designate measures for impaired waters	Department of Public Works	On-going	
6-6 Track projects that disconnect DCIA (On-going)	In Progress	A table was created for tracking disconnected DCIA.	Document existing DCIA that is disconnected	Highway Department, Department of Public Works	On-going	The Town is starting tracking disconnected DCIA using the tracking table created.
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	In Progress	All road projects include new catch basin tops and new basins are installed, as necessary. As part of the outfall screening process, B&L identified several outfalls that required maintenance. The Town continues working to addressing these issues to the maximum extent practicable.	Prioritize/implement repairs	Department of Public Works	On-going	The Town continues reviewing current practices and looking for areas for optimization.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Date completed/ projected	Additional details
6-8 Develop/implement plan to identify/ prioritize retrofit projects (Due 7/1/20)	In Progress	Town-owned sites with the greatest amount of impervious area have been identified as potential candidates for retrofit projects. 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	Feb 2022 Properties with IC identified	
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Not started	Once the Stormwater Retrofit Plan is finalized, the Town will start to implement projects to disconnected DCIA to the maximum extent practicable.	Implement retrofit projects	Engineering	Dec 2024	
6-10 Develop/ implement street sweeping program (On-going)	Complete/ On-going	All Town streets are swept annually, concentrating on high priority areas.	Sweep streets once annually	Department of Public Works	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 (On-going)	Complete/ On-going	Catch basins were inspected and cleaned out, as necessary, to the maximum extent practicable.	Maintain current program	Department of Public Works	Jul 1, 2017 On-going	The Town continues reviewing current practices and looking for areas for optimization. ~100% of the basins were inspected and cleaned in 2023 and the Town will be awarding new contract for 2025.
6-12 Develop/ implement snow management practices (Due 7/1/18)	Complete/ On-going	Streets & municipal lots are plowed and treated, as necessary.	Continue snow management	Department of Public Works	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.
- Continue to notify industrial and commercial facilities of their requirements to register under the Industrial/Commercial Stormwater General Permits.
- 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 cleanings and snow management practices.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yes – virtually
Street sweeping	
Curb miles swept	~162 miles
Volume (or mass) of material collected	~1,000 tons
Catch basin cleaning	
Total catch basins in priority areas	2,223 mapped to date
Total catch basins in MS4	2,567 mapped to date
Catch basins inspected	Completed ~100% of the basins in 2023, and waiting new contract for 2025
Catch basins cleaned	Completed ~100% of the basins in 2023, and waiting new contract for 2025
Volume (or mass) of material removed from all catch basins	~100 cubic yards
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	~162 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

Provide any updates or modifications to your catch basin cleaning program.
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. (Due 7/1/20)
Town-owned sites with the greatest amount of impervious area have been identified as potential candidates for retrofit projects. 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 annually in future years. (Due 7/1/23)
Once the Stormwater Retrofit Plan is finalized, the Town will start to implement projects to disconnected DCIA 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) To date, all 14 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 outfalls will require a follow-up investigation during a wet weather event and are potential sources of illicit discharges to impaired waterbodies: BOST4, CANA3, RIVV1, SGRA1, SGRA2 and BROK1. The discharge from SGRA1, and SGRA2 had turbidity significantly higher than the water upstream; while CANA3, and RIVV1 were all discharging water with higher bacteria content than the established TMDL. BROK1 had elevated levels for turbidity and bacteria.
   Based on the results of the samples collected, the top six (6) worst outfalls were selected and the annual prioritized outfall monitoring was started in the summer of 2021. In 2022 and 2024, due to the limited qualifying rain events and limited available resources, there were no annual sampling of the priority six outfalls during these years. The 6 outfalls for prioritized monitoring were sampled in the summer of 2023 and will be sampled again in 2025.
3) Mountain Brook was removed from the impaired waterbodies list in 2021 based on the 2020 Integrated Water Quality Report (IWQR). As a result of the 2020 IWQR, the following outfalls are no longer discharging to an impaired waterbody: COPP5, COPP6, STRA2 and PATR1. The total number of outfalls discharging to impaired waterbodies was decreased from 18 to 14. COPP6 was previously selected as a priority outfall for annual monitoring; this outfall was replaced with outfall SGRA2 in 2023 for annual monitoring. COPP6 was added to the top of the high priority list for future investigations.

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	n/a	Phoenix	NO
BOST4	41.96518248	-72.64229996	12/28/2018	15.4	3.54	n/a	Phoenix	YES
BOST9	41.964923	-72.641922	12/28/2018	6.44	2.47	n/a	Phoenix	NO
MARB1	41.991095	-72.655609	12/28/2018	3.20	4.14	n/a	Phoenix	NO
PATR1*	42.003	-72.7557	12/28/2018	n/a	n/a	10	Phoenix	NO
RIVE5	42.001396	-72.609251	12/28/2018	n/a	n/a	52	Phoenix	NO
RIVE6	42.001203	-72.609313	12/28/2018	n/a	n/a	< 10	Phoenix	NO
RIVE7	41.999542	-72.60928	12/28/2018	n/a	n/a	< 10	Phoenix	NO
CANA3	41.987189	-72.60556	11/23/2020	n/a	n/a	987	Phoenix	YES
COPP5*	42.003265	-72.752165	11/23/2020	n/a	n/a	41	Phoenix	NO
COPP6*	42.003138	-72.752169	11/23/2020	n/a	n/a	4350	Phoenix	YES
RIVV1	42.01600193	-72.60797299	11/23/2020	n/a	n/a	865	Phoenix	YES
SGRA1	41.96096544	-72.71029961	11/23/2020	10.13	1.9	n/a	Phoenix	YES
SGRA2	41.96079116	-72.71023947	11/23/2020	8.41	1.9	n/a	Phoenix	YES
STRA3*	42.00349	-72.75482	11/23/2020	n/a	n/a	20	Phoenix	NO
BROK1	41.988861	-72.655131	4/15/2021	23.4	0.67	1140	Phoenix	YES
CONS3	41.974663	-72.609056	4/15/2021	n/a	n/a	41	Phoenix	NO

Outfall ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Lab	Investigation Required
LIME2	41.967996	-72.651951	4/15/2021	1.67	1.87	n/a	Phoenix	NO

Note: * These outfalls discharge to Mountain Brook, which was removed from the impaired waterbodies list in 2020

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
BROK1	Dry weather IDDE investigation completed along all structures and piping of system. Wet weather Investigation to be initiated	Town to send letters to various homeowners potentially contributing to the illicit discharge discovered at time of sampling/investigation
RIVV1	Dry weather IDDE investigation completed along all structures and piping of system. Wet weather Investigation to be initiated	Town to send letters to various homeowners potentially contributing to the illicit discharge discovered at time of sampling/investigation

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 ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Lab
BOST4	41.96518248	-72.64229996	12/28/2018	15.4	3.54	n/a	Phoenix
			8/19/2021	5.16	>1,000	n/a	Phoenix
			8/15/2023	5.63	2.63	n/a	Phoenix
BROK1	41.988861	-72.655131	8/19/2021	36.5	48.7	19900	Phoenix
			8/15/2023	100	15.6	24200	Phoenix
CANA3	41.987189	-72.60556	11/23/2020	n/a	n/a	987	Phoenix
			8/19/2021	n/a	n/a	7270	Phoenix
			8/15/2023	n/a	n/a	1790	Phoenix
RIVV1	42.01600193	-72.60797299	11/23/2020	n/a	n/a	865	Phoenix
			8/19/2021	n/a	n/a	>24200	Phoenix
			8/15/2023	n/a	n/a	1520	Phoenix

Outfall ID	Latitude	Longitude	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	E. Coli (col/100mL)	Lab
SGRA1	41.96107	-72.71028	11/23/2020	10.13	1.9	n/a	Phoenix
			8/19/2021	14.3	11.8	n/a	Phoenix
			8/15/2023	17.4	2.6	n/a	Phoenix
SGRA2	41.96079116	-72.71023947	11/23/2020	8.41	1.9	n/a	Phoenix
			8/15/2023	7.94	2.6	n/a	Phoenix

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 (oC)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
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	42.00789625	-72.62645571	10/29/2019	440	0.213	14	0.25	0.1	0.25	63	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	41.97266552	-72.64504083	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	41.9790966	-72.6369845	10/29/2019	742	0.363	15.1	0.25	0	1	10	Phoenix	NO
CASS2	41.993336	-72.618139	3/20/2019	1471	0.716	10.8	0.25	0	0.5	< 10	Phoenix	NO
CHER1	42.02193209	-72.65812624	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
CROS3	41.99188	-72.620158	3/16/2021	1465	0.737	3.8	0	0.03	0.32	10	Phoenix	NO
DIAN1	41.96362	-72.64272	2/27/2019	342	0.164	4.1	0	0.01	3	< 10	Phoenix	NO
EDGE1	42.005296	-72.7575567	4/25/2019	42	0.02	16.88	0.25	0.03	0.25	189	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
FARM4	42.004364	-72.636986	3/16/2021	361	0.151	4.2	0	0	0	< 10	Phoenix	NO
FIRE6	41.960565	-72.655531	3/16/2021	601	0.287	2.8	0.25	0.06	0.17	< 10	Phoenix	NO
GRAS1	42.009566	-72.617097	9/26/2019	470	0.23	20.7	0.25	0.89	0.5	256	Phoenix	NO

Table 2.1a - Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (oC)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
HAAE4	42.00844889	-72.63309327	4/29/2020	320.1	0.15	11.9	1	0.07	0.5	< 10	Phoenix	YES
HALE6	41.96356224	-72.68764971	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	41.94591972	-72.62564066	11/14/2019	1906	0.989	4.7	0.25	0.01	0.75	121	Phoenix	NO
HARV3	41.945319	-72.623051	3/16/2021	409	0.121	6.1	0.5	0.2	0.23	< 10	Phoenix	NO
HARV4	41.945324	-72.623032	3/16/2021	5919	3.193	5.2	0.25	0.05	0.59	< 10	Phoenix	NO
HARV5	41.945315	-72.623001	3/16/2021	1731	0.878	4.6	0.25	0	0.29	< 10	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
KENT1A	41.97304235	-72.64502367	3/12/2019	224	0.16	6.95	0.5	0.1	0.25	63	Phoenix	YES
KENT1B	41.97300876	-72.64501428	3/12/2019	339	0.22	11.99	0	0.1	0.5	52	Phoenix	NO
LAFO2	41.96463	-72.654329	4/29/2020	744	0.362	16	0	0.05	0.25	41	Phoenix	NO
MARB2	41.9888085	-72.6518466	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	41.9590792	-72.6407345	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
NEWG1	41.99314381	-72.74032829	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	42.01244875	-72.7085291	5/4/2020	876	0.479	17.6	0	0.04	0.5	< 10	Phoenix	NO
OAK2	42.01245022	-72.7085169	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
PAPE1	41.95799521	-72.62214201	4/29/2020	135	0.0646	11.1	0	0	0.25	< 10	Phoenix	NO
PATR1	42.003	-72.7557	4/25/2019	122	0.07	17.64	0.25	0	0	< 10	Phoenix	NO
PHEL3	42.001206	-72.736553	3/16/2021	198	0.094	4.7	0.25	0.01	0	< 10	Phoenix	NO
PHEL4	42.00122	-72.736537	3/16/2021	173	0.096	5.1	0.25	0.05	0	< 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
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	6/12/2024	890	0.447	25.8	0	0	0.04	95	Phoenix	NO

Table 2.1a - Non-Impaired Waterbody Samples

Outfall ID	Latitude	Longitude	Sample Date	Conductivity (umhos/cm)	Salinity (g/kg)	Temp (oC)	Ammonia (mg/L)	Chlorine (mg/L)	MBAs (mg/L)	E. Coli (col/100ml)	Lab	Investigation Required?
REDS3	41.95781281	-72.63455893	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
SETT2	41.96122	-72.63757	3/12/2019	1234	0.93	7.92	0	0.1	1.5	52	Phoenix	NO
SHAD2	42.009494	-72.6361	3/31/2021	693	0.339	13.1	0.25	0.04	0.12	30	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	42.00896579	-72.6344045	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
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
SUFF8	41.953015	-72.644561	3/16/2021	294	0.143	1.8	0.25	0.01	0.3	< 10	Phoenix	NO
TAIN2	41.97562586	-72.68206265	4/29/2020	459.8	0.22	12.3	0	0.04	0.5	< 10	Phoenix	NO
TAIN6	41.96836331	-72.6901936	11/9/2018	479	0.34	8.11	0.06	0.08	3	20	Phoenix	NO
TAIN625*	41.96828718	-72.69067427	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
UCAR1	41.948936	-72.626877	5/4/2020	581	0.266	18.2	0.25	0.08	0.5	< 10	Phoenix	NO
WEND1	42.00740258	-72.65232346	9/26/2019	1169	0.58	20	0.25	0.01	0.25	< 10	Phoenix	NO
WEND3	42.003984	-72.656871	3/16/2021	289	0.143	3.8	0	0	0	< 10	Phoenix	NO
WHIT2	41.967465	-72.667245	3/31/2021	345	0.167	11	0.25	0	0.11	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
WOBD1	42.01753	-72.625494	11/1/2018	725	0.36	15.29	0.25	2.2	0.5	109	Phoenix	NO
WREN2	41.993538	-72.632012	3/16/2021	273	0.156	4.6	0	0.01	0	31	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
RIVV1	42.01600193	-72.60797299	6/12/2024	n/a	n/a	10	Phoenix	NO
RIVE7	41.999542	-72.60928	9/17/2019	1.34	0.5	41	Phoenix	NO
LIME2	41.967996	-72.651951	3/16/2021	0	1.18	n/a	Phoenix	NO
BROK1	41.98942	-72.654483	3/31/2021	30.46	5.46	970	Phoenix	YES

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
Due to limited resources, it is anticipated that this will be initiated in 2025.									

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.

See attachment provided with this report.

3.2 Key junction manhole dry weather screening and sampling data

Pipe ID	Latitude	Longitude	Outfall ID	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	Ammonia (mg/L)	Chlorine (mg/L)	Surfactants (mg/L)	Ecoli (col/100ml)	Lab
BROK1	41.988853	-72.65513	BROK1	5/25/2021	956	19.5	0.25	0.28	0.16	4640	Phoenix
CB2506-CB0763	41.98968506	-72.65378571		5/25/2021	13.3	19.5	0	0	0.27	100	Phoenix
Outlet107-Swale	41.98934	-72.65456		5/25/2021	3.26	19.5	0	0	0.11	<10	Phoenix
				6/5/2024	0.52	4.87	0	0.1	0.28	1720	Phoenix
Outlet108-Swale	41.98941	-72.65448		5/25/2021	31.3	19.5	0	0	0.3	1480	Phoenix
				6/5/2024	5.71	4.87	0.25	0.03	0	74	Phoenix
CB1924-CB2141	41.99334717	-72.62347412	CROS2	5/25/2021	n/a	n/a	0.25	0.07	0.25	10	Phoenix
MH047-MH046	41.99626923	-72.62297821		5/25/2021	n/a	n/a	0	0.1	0.24	10	Phoenix
CROS2	41.993119	-72.623011		5/25/2021	n/a	n/a	0.25	0	0.25	n/a	Phoenix
MH142-MH-047	41.99626541	-72.62289429		6/22/2021	n/a	n/a	0.5	0.06	0.56	n/a	Phoenix
YD080-YD081	41.9967804	-72.62232208		7/22/2021	n/a	n/a	0	0.08	0.22	n/a	Phoenix
HALE6	41.963554	-72.687649	HALE6	6/18/2021	n/a	n/a	0	0	0.46	n/a	Phoenix
				6/5/2024							

Pipe ID	Latitude	Longitude	Outfall ID	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	Ammonia (mg/L)	Chlorine (mg/L)	Surfactants (mg/L)	Ecoli (col/100ml)	Lab
UNK2-CB1473	42.01402664	-72.61275482	HARB1	6/18/2021	n/a	n/a	0	0.03	0.18	n/a	Phoenix
				6/12/2024	n/a	n/a	0	0.17	0.33	<10	Phoenix
CB1473-CB1471	42.014403	-72.612811		6/12/2024	n/a	n/a	0	0.05	0.36	<10	Phoenix
HARB1	42.015423	-72.612186		6/18/2021	n/a	n/a	0	0.04	0.25	n/a	Phoenix
				6/12/2024	n/a		0	0.05	0.19	<10	Phoenix
KENT1A	41.973034	-72.645023	KENT1A	6/18/2021	n/a	n/a	0	0.08	0.29	n/a	Phoenix
UNK2-CB2101	42.00777817	-72.63685608	MELR1	6/18/2021	n/a	n/a	0.25	0.04	0.28	n/a	Phoenix
				6/5/2024							
MH033-MH051	41.99580002	-72.61686707	RAWL1	6/22/2021	n/a	n/a	0	0.01	0.22	n/a	Phoenix
UNK1-CB1886	41.99537659	-72.61829376		6/22/2021	n/a	n/a	0	0.11	0.23	n/a	Phoenix
RAWL1	41.995773	-72.615917		6/18/2021	n/a	n/a	0.25	0.11	0.26	n/a	Phoenix
				6/12/2024	n/a	n/a	0	0.04	0	95	Phoenix
UNK-YD082	41.995735	-72.616222		6/12/2024	n/a	n/a	0	0.03	0	<10	Phoenix
SECO2	41.99498	-72.62065		6/18/2021	n/a	n/a	0.5	0	0.25	n/a	Phoenix
SECO1	41.99498	-72.62065		6/18/2021	n/a	n/a	0	0.02	0.11	n/a	Phoenix
CB1885-MH0142	41.99536514	-72.61820984		6/18/2021	n/a	n/a	0.25	0.07	0.43	n/a	Phoenix
UNK1-CB1894	41.99497223	-72.61962891		6/18/2021	n/a	n/a	0.25	0.04	0.24	n/a	Phoenix
CB1897-CB1894	41.99497223	-72.61962891		6/18/2021	n/a	n/a	0.25	0.06	0.53	n/a	Phoenix
CB1352-CB1353	42.01676941	-72.610466	RIVV1	5/25/2021	n/a	n/a	0	0.07	0.09	468	Phoenix
				6/12/2024			0	0.05	0.16	10	Phoenix
CB1354-CB1353	42.01615524	-72.61060333		5/25/2021	n/a	n/a	0	0.02	0.1	85	Phoenix
				6/12/2024			0	0.04	0.23	10	Phoenix
CB1348-RIVV1	42.01596069	-72.60876465		5/25/2021	n/a	n/a	0	0	0.1	228	Phoenix
				6/12/2024			0	0.02	0.21	<10	Phoenix
CB1343-CB1344	42.01790619	-72.61096191		6/22/2021	n/a	n/a	0	0.01	0.17	52	Phoenix
CB1350-CB1352	42.01704407	-72.61047363		6/22/2021	n/a	n/a	0	0.03	0.23	10	Phoenix
CB1351-CB1352	42.01681519	-72.61056519		6/22/2021	n/a	n/a	0	0	0.18	<10	Phoenix
UNK1-CB1402	42.01630783	-72.62419128	WOBD1	5/25/2021	n/a	n/a	0	0.29	0.16	n/a	Phoenix
				6/5/2024	0.39	9.1	0	0.05	0.19	<10	Phoenix
CB1399-CB1397	42.017286	-72.625355		6/5/2024	2.15	9.1	0.25	0.12	0.28	20	Phoenix

Pipe ID	Latitude	Longitude	Outfall ID	Sample Date	Outfall Turbidity (NTU)	Turbidity Upstream (NTU)	Ammonia (mg/L)	Chlorine (mg/L)	Surfactants (mg/L)	Ecoli (col/100ml)	Lab
UNK3-CB1398	42.01720428	-72.6253891		5/25/2021	n/a	n/a	0	0.1	0.13	n/a	Phoenix
RP1-CB1398	42.01720428	-72.6253891		5/25/2021	n/a	n/a	0	0.03	0.04	n/a	Phoenix
(Inlet0059-CB1398)				6/5/2024	2.8	2.8	0	0.05	0.05	>24200	Phoenix
UNK4-CB1398	42.01720428	-72.6253891		5/25/2021	n/a	n/a	0	0.1	0.12	n/a	Phoenix
WOBD1	42.018602	-72.625851		5/25/2021	n/a	n/a	0	0.03	0.13	n/a	Phoenix
				6/5/2024	65.9	9.1	0.25	0.17	0.04	1070	Phoenix

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
Due to limited resources, it is anticipated that this will be initiated in 2025.				

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

Discharge location (Outfall ID)	Source Location(s) (Address)	Discharge Description	Method of Discovery	Date of Discovery	Date of Elimination	Mitigation or Enforcement Action	Estimated Volume of Flow Removed
BROK1	60, 65, and 75 Brookside Dr and 20 Huckleberry Hollow	65 or 75 Brookside Dr look to be discharging exceeding levels of surfactants and contributing slightly to the high level of turbidity at the outfall. 60 Brookside or 20 Huckleberry Hollow look to contribute to the exceedance of chlorine. The high level of turbidity seems to come from the drainage swale discharging into the river as there's no riprap to slow the flow of the discharge.	Visually in field and field/lab testing	5/25/2021			
CROS2	15 3rd St and 24 and 34 4th St	15 3rd St, 24 and 34 4th St looks to be contributing to the exceeding levels of surfactants and chlorine. 24 and 34 4th St look to be contributing to the exceeding levels of ammonia	Visually in field and field/lab testing	6/22/2021 and 7/22/2021			
HALE6	845 and 955 Hale St	There looks to be some sort of underground lateral between 845 and 955 Hale St contributing to at least the high levels of surfactants. The rest of the system is dry which suggest a potential underground lateral between the two addresses	Visually in field and field/lab testing	6/18/2021			

Discharge location (Outfall ID)	Source Location(s) (Address)	Discharge Description	Method of Discovery	Date of Discovery	Date of Elimination	Mitigation or Enforcement Action	Estimated Volume of Flow Removed
HARB1	1338 Harbourside Dr	1338 Harbourside Dr is the only discharging pipe for the entire system which likely suggest they are the reason for the exceeding levels of chlorine, surfactants, and ammonia.	Visually in field and field/lab testing	6/18/2021			
MELR1	5 Halladay Ave E	There's only one pipe in this entire system from the direction of 5 Halladay Ave E that is discharging exceeding levels of surfactants, chlorine, and ammonia.	Visually in field and field/lab testing	6/18/2021			
RAWL1	54, 56, 73 and 83 2nd St, 55 and 78 1st St, and 5 Cassotta Ln	SECO2 outlet is discharging exceeding levels of surfactants and ammonia from 2nd St which could contribute to the elevated levels located at the outfall. A Pipe discharging from the area of 55 and 78 1st St is discharging exceeding levels of chlorine and surfactants with a small level of ammonia. 5 Cassotta Ln is discharging exceeding levels of chlorine and surfactants and a small level of ammonia.	Visually in field and field/lab testing	6/18/2021			
RIVV1	111, 140, and 150 Pleasantview Dr	Majority of the illicit discharge is likely coming from between 140 and 150 Pleasantview Dr as there exceeding levels of E. Coli and chlorine. 111 Pleasantview Dr has a slight exceedance of chlorine and a small level of surfactant detected. The reason for the exceedance of surfactants may come from 111 Pleasantview Dr as it's close to the exceedance threshold and the start of the elevated levels.	Visually in field and field/lab testing	5/25/2021 and 6/22/2021			
WOBD1	8 and 31 Woodbridge Dr	8 Woodbridge Dr seems to be the only discharging pipe on this line before the retention pond inlet becomes involved. This pipe had an exceedance of chlorine and is close to exceeding surfactants levels. There are two lateral pipes by 31 Woodbridge Dr that may be contributing to the exceedance of chlorine located at the outfall.	Visually in field and field/lab testing	5/25/2021			

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: **Colin Moll** **First Selectman**	Print name: **T.J. Therriault** **Barton & Loguidice, LLC**
Signature / Date: **DRAFT**	Signature / Date: **DRAFT**
Email: **CMoll@SuffieldCT.gov**	Email: **tjt@bartonandloguidice.com**

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			
BROK1	Muddy Brook (Suffield)-01	28	6	0		3	1	3			0		34	41	High
CROS2	Connecticut River Basin	n/a	10	0		0	2	3			0		10	15	High
CANA3	Connecticut River (Portland/Suffield)-03	2	0	3		3	1	3			0		2	12	High
RIVV1	Connecticut River (Portland/Suffield)-03	2	1	0		3	2	3			0		3	11	High
WOBD1	Threemile Brook Basin/Fourmile Brook	n/a	8	0		0	1	2			0		8	11	High
HARV3	Connecticut River Basin	n/a	3	0		0	3	3			0		3	9	High
RIVE7	Connecticut River (Portland/Suffield)-03	0	2	0		3	1	3			0		2	9	High
SUFF4	Stony Brook Basin	n/a	5	0		0	1	3			0		5	9	High
THOM1	Connecticut River Basin	n/a	3	0		0	3	3			0		3	9	High
SGRA1	Stony Brook (Suffield) - 03	3	0	0		2	1	3			0		3	9	High
BENN1	Connecticut River Basin	n/a	2	0		0	3	3			0		2	8	High
GRAS1	Connecticut River Basin/Deep Brook	n/a	5	0		0	1	2			0		5	8	High
HARV4	Connecticut River Basin	n/a	2	0		0	3	3			0		2	8	High
QUAL2	Connecticut River Basin	n/a	3	0		0	2	3			0		3	8	High
TAIN6	Devine Brook	n/a	4	0		0	1	3			0		4	8	High
UCAR1	Connecticut River Basin	n/a	2	0		0	3	3			0		2	8	High
CHES1	Great Brook Basin	n/a	3	0		0	1	3			0		3	7	Low
COPP5	Mountain Brook	n/a	0	0		3	1	3			0		0	7	Low
COPP6	Mountain Brook	n/a	0	0		3	1	3			0		0	7	Low
DIAN1	Stony Brook Basin	n/a	3	0		0	1	3			0		3	7	Low
FAIR1	Threemile Brook Basin	n/a	0	0		0	1	3			3		0	7	Low
FIRE6	Little Brook	n/a	1	0		0	3	3			0		1	7	Low
HAAE4	Fourmile Brook	n/a	3	0		0	1	3			0		3	7	Low
HALE6	Stony Brook Basin	n/a	3	0		0	1	3			0		3	7	Low
HARV1	Connecticut River Basin	n/a	1	0		0	3	3			0		1	7	Low
HARV5	Connecticut River Basin	n/a	1	0		0	3	3			0		1	7	Low
KENT1A	Stony Brook Basin	n/a	3	0		0	1	3			0		3	7	Low
MARB1	Muddy Brook (Suffield)-01	0	0	0		3	1	3			0		0	7	Low
QUAL1	Connecticut River Basin	n/a	2	0		0	2	3			0		2	7	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
SOME1	Fourmile Brook	n/a	3	0		0	1	3			0		3	7	Low
SUNS1	South Pond	n/a	0	3		0	1	3			0		0	7	Low
THIS1	Muddy Brook Basin	n/a	4	0		0	1	2			0		4	7	Low
SGRA2	Stony Brook (Suffield) - 03	1	0	0		2	1	3			0		1	7	Low
RAWL1	Connecticut River Basin/Rawlins Brook	n/a	0	0		0	2	1			3		0	6	High
BOST4	Stony Brook (Suffield) - 01	0	0	0		2	1	3			0		0	6	High
BARN2	Connecticut River Basin/Deep Brook	n/a	2	0		0	1	3			0		2	6	Low
BOST1	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
BOST11	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
BOST2	Stony Brook (Suffield) - 01	0	0	0		2	1	3			0		0	6	Low
BOST9	Stony Brook (Suffield) - 01	0	0	0		2	1	3			0		0	6	Low
BRID8	Connecticut River Basin	n/a	2	0		0	1	3			0		2	6	Low
COPP3	Mountain Brook	n/a	2	0		0	1	3			0		2	6	Low
HARV2	Connecticut River Basin	n/a	0	0		0	3	3			0		0	6	Low
KENT1B	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
MATH3	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
PATR1	Mountain Brook	n/a	0	0		3	1	2			0		0	6	Low
PLAN2	Muddy Brook Basin/Kents Pond	n/a	2	0		0	2	2			0		2	6	Low
POOL2	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
PROS1	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
PROS2	Stony Brook	n/a	2	0		0	1	3			0		2	6	Low
REMI4	Muddy Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
RIVE1	Connecticut River Basin	n/a	2	0		0	1	3			0		2	6	Low
SILV3	Threemile Brook Basin/Fourmile Brook	n/a	2	0		0	2	2			0		2	6	Low
SUFF6	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
TAIN625*	Stony Brook Basin	n/a	2	0		0	1	3			0		2	6	Low
HARB1	Connecticut River Basin	n/a	3	0		0	1	2			0		3	6	Low
COLS2	Muddy Brook Basin	n/a	0	0		0	2	3			0		0	5	Low
CROS1	Connecticut River Basin	n/a	1	0		0	1	3			0		1	5	Low
CROS3	Connecticut River Basin	n/a	1	0		0	1	3			0		1	5	Low
ELLI5	Stony Brook Basin	n/a	3	0		0	1	1			0		3	5	Low
LIME2	Stony Brook (Suffield) - 01	0	0	0		2	2	1			0		0	5	Low
MARB2	Muddy Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
MARK1	Stony Brook Basin/Little Brook	n/a	1	0		0	3	1			0		1	5	Low
MATH4	Stony Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
MELR1	Threemile Brook Basin	n/a	3	0		0	1	1			0		3	5	Low
NEWG3	Salmon Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
OAK1	Muddy Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
OAK2	Muddy Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
OLDF2	Salmon Brook Basin	n/a	2	0		0	1	2			0		2	5	Low
PAPE1	Stony Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
PHEL4	Salmon Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
PHEL5	Salmon Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
POOL1	Stony Brook Basin	n/a	0	0		0	2	3			0		0	5	Low
SETT2	Stony Brook Basin	n/a	3	0		0	1	1			0		3	5	Low
SUFF1	Little Brook	n/a	1	0		0	1	3			0		1	5	Low
SUFF8	Stony Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
TAIN2	Stony Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
WEND1	Muddy Brook Basin	n/a	1	0		0	1	3			0		1	5	Low
WOOD1	Salmon Brook Basin	n/a	0	0		0	2	3			0		0	5	Low
WOOD2	Salmon Brook Basin	n/a	0	0		0	2	3			0		0	5	Low
CONS3	Connecticut River (Portland/Suffield)-03	1	0	0		0	2	2			0		1	5	Low
BARN1	Connecticut River Basin/Deep Brook	n/a	0	0		0	1	3			0		0	4	Low
BARR2	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
BLOS1	Onion Brook	n/a	0	0		0	1	3			0		0	4	Low
BLOS2	Onion Brook	n/a	0	0		0	1	3			0		0	4	Low
BOST10	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
BOST12	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
BOST7	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
BOST8	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
BRAN1	Stony Brook Basin	n/a	*	0		0	1	3			0		0	4	Low
BRID5	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
BRID6	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CANA1	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CANA2	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CANA4	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CANA5	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CANA6	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CATH2	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
CHER1	Muddy Brook Basin	n/a	2	0		0	1	1			0		2	4	Low
CHES2	Great Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
CHES3	Great Brook Basin	n/a		0		0	1	3			0		0	4	Low
COPP1	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
COPP2	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
DDCB_COLS1	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
DDCB_COLS2	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
DDCB_RIVE2	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
DDCB-PHEL1	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
DDCB-PHEL2	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
DEVI2	Connecticut River Basin	n/a	**	0		0	2	2			0		0	4	Low
FAIR2	Threemile Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HAAE1	Fourmile Brook	n/a	0	0		0	1	3			0		0	4	Low
HALA1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HALA2	Philo Brook	n/a	0	0		0	1	3			0		0	4	Low
HALE1	Stony Brook Basin/Stony Brook	n/a	0	0		0	1	3			0		0	4	Low
HALE10	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HALE2	Spencer Brook	n/a	0	0		0	1	3			0		0	4	Low
HALE3	Spencer Brook	n/a	0	0		0	1	3			0		0	4	Low
HALE4	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HALE5	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HALE7	Stony Brook Basin	n/a	*	0		0	1	3			0		0	4	Low
HALE9	Stony Brook Basin	n/a	*	0		0	1	3			0		0	4	Low
HICK1	Fourmile Brook	n/a	0	0		0	1	3			0		0	4	Low
HIGR1	Connecticut River Basin	n/a	1	0		0	1	2			0		1	4	Low
HILL1	Muddy Brook Basin/Muddy Brook	n/a	0	0		0	1	3			0		0	4	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			
HILL2	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HILL3	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HILL4	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HUCK1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
HUNT1	Stony Brook Basin	n/a	0	0		0	2	2			0		0	4	Low
HUNT2	Stony Brook Basin	n/a	0	0		0	2	2			0		0	4	Low
HYDR1	Stony Brook Basin	n/a	1	0		0	2	1			0		1	4	Low
JACQ1	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
KENT2	Stony Brook Basin	n/a	**	0		0	1	3			0		0	4	Low
KENT3	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
LAFO2	Little Brook	n/a	2	0		0	1	1			0		2	4	Low
LEBR1	Great Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
LONG1	Threemile Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL1	Threemile Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL3	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL4	Threemile Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL5	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL6	Threemile Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MAPL7	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
MATH1	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MATH2	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
MATH5	Stony Brook Basin	n/a	*	0		0	1	3			0		0	4	Low
NEWG1	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO2	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO3	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO4	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO5	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO6	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
NSTO7	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
OLDF1	Salmon Brook Basin	n/a	1	0		0	1	2			0		1	4	Low
PHEL1	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL10	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL11	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL12	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL14	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL2	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL3	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL6	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL8	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PHEL9	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
POND1	Great Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
POND2	Great Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
PROS3	Stony Brook	n/a	0	0		0	1	3			0		0	4	Low
RATL1	Rattlesnake Swamp	n/a	0	0		0	1	3			0		0	4	Low
RATL2	Rattlesnake Brook	n/a	0	0		0	1	3			0		0	4	Low
RATL3	Rattlesnake Brook	n/a	0	0		0	1	3			0		0	4	Low
RATL4	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
REMI1	Stony Brook	n/a	0	0		0	1	3			0		0	4	Low
REMI2	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
REMI3	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
REMI5	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
REMI6	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
RISI1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
RIVE2	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
RIVE4	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
RIVE8	Connecticut River Basin/Deep Brook	n/a	0	0		0	1	3			0		0	4	Low
RUSS1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
RUSS2	Clay Brook	n/a	0	0		0	1	3			0		0	4	Low
RUSS3	Philo Brook	n/a	0	0		0	1	3			0		0	4	Low
SILV1	Threemile Brook Basin/Fourmile Brook	n/a	1	0		0	1	2			0		1	4	Low
SILV2	Threemile Brook Basin/Fourmile Brook	n/a	0	0		0	2	2			0		0	4	Low
SILV4	Threemile Brook Basin	n/a	*	0		0	2	2			0		0	4	Low
SMAI1	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SPAR1	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
SPRU1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SPRU2	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SPRU3	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SUFF2	Little Brook	n/a	0	0		0	1	3			0		0	4	Low
SUFF3	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SUFF5	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
SUFF7	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
TAIN1	Stony Brook	n/a	0	0		0	1	3			0		0	4	Low
TAIN3	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
TAIN4	Devine Brook	n/a	0	0		0	1	3			0		0	4	Low
TAIN7	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
TAIN8	Stony Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
THRA1	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
THRA2	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
THRA4	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
THRA5	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
THRA7	Connecticut River Basin	n/a	0	0		0	1	3			0		0	4	Low
WARN1	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
WEND2	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
WEND3	Muddy Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
WHEE1	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
WHEE2	Salmon Brook Basin	n/a	0	0		0	1	3			0		0	4	Low
WILL1	Stony Brook Basin	n/a	1	0		0	1	2			0		1	4	Low
WREN2	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
WREN3	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
WREN4	Connecticut River Basin	n/a	0	0		0	2	2			0		0	4	Low
APPL1	Salmon Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
ARBO3	Stony Brook Basin	n/a	1	0		0	1	1			0		1	3	Low
ARBO4	Stony Brook Basin	n/a	1	0		0	1	1			0		1	3	Low
BRID7	Connecticut River Basin	n/a	1	0		0	1	1			0		1	3	Low
BROA1	Great Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
CASS2	Rawlins Brook	n/a	1	0		0	1	1			0		1	3	Low
COLD2	Threemile Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
DAY1	Stony Brook Basin	n/a		0		0	1	2			0		0	3	Low
DAY2	Stony Brook Basin	n/a		0		0	1	2			0		0	3	Low
DAY3	Stony Brook Basin	n/a		0		0	1	2			0		0	3	Low
DEVI1	Connecticut River Basin	n/a	0	0		0	1	2			0		0	3	Low
EDGE1	Salmon Brook Basin	n/a	1	0		0	1	1			0		1	3	Low
FARM2	Threemile Brook Basin	n/a	0	0		0	2	1			0		0	3	Low
FARM3	Threemile Brook Basin	n/a	0	0		0	2	1			0		0	3	Low
FARM4	Threemile Brook Basin	n/a	0	0		0	2	1			0		0	3	Low
GRAS3	Deep Brook	n/a	0	0		0	1	2			0		0	3	Low
GRAS5	Deep Brook	n/a	0	0		0	1	2			0		0	3	Low
KENNI2	Stony Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
MAGN1	Muddy Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
MAGN2	Muddy Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
MICH2	Connecticut River Basin	n/a	0	0		0	1	2			0		0	3	Low
PLAN1	Muddy Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
SHAD2	Threemile Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
WAIN2	Stony Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
WILL2	Stony Brook Basin	n/a	0	0		0	1	2			0		0	3	Low
WIND1	Threemile Brook Basin	n/a	1	0		0	1	1			0		1	3	Low
ARBO2	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
BOST3	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
BRID1	Connecticut River Basin	n/a	0	0		0	1	1			0		0	2	Low
CEDA1	Threemile Brook Basin/Fourmile Brook	n/a	0	0		0	1	1			0		0	2	Low
CLAY1	Threemile Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
CLAY2	Threemile Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
CLAY3	Threemile Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
COPP7	Salmon Brook Basin	n/a		0		0	1	1			0		0	2	Low
EDGE2	Salmon Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
ELLI3	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	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			
HELE1	Stony Brook Basin	n/a		0		0	1	1			0		0	2	Low
HERI2	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
HIDD1	Onion Brook	n/a		0		0	1	1			0		0	2	Low
LISE3	Connecticut River Basin	n/a	0	0		0	1	1			0		0	2	Low
LISE4	Connecticut River Basin	n/a	0	0		0	1	1			0		0	2	Low
REDS2	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
REDS3	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
REDS4	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
REDS7	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
STON1	Connecticut River Basin	n/a		0		0	1	1			0		0	2	Low
STRA2	Salmon Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
STRA3	Mountain Brook	n/a	0	0		0	1	1			0		0	2	Low
TYLE1	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
WHIT2	Salmon Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
WIST5	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
WIST6	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	Low
WIST7	Stony Brook Basin	n/a	0	0		0	1	1			0		0	2	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.

Outfall ID	Receiving Water	1 History of SSOs	2 Common or Twin Invert Manholes	3 Common Trench Construction	4 Storm/Sanitary Crossings (Sanitary Above)	5 Sanitary Lines with Underdrains	6 Inadequate Sanitary Level of Service	7 Areas Formerly Served by Combined Sewers	8 Sanitary Infrastructure Defects	9 SSO Potential In Event of System Failures	10 Sanitary and Storm Drain Infrastructure >40 years Old	11 Septic with Poor Soils or Water Table Separation	12 History of BOH Actions Addressing Septic Failure	System Vulnerability Factors
BOST4	Stony Brook(Suffield) - 01	No			No	No				Yes	Yes	No		Sanitary and Storm Drain Infrastructure >40 years Old
BROK1	Muddy Brook (Suffield)-01	No			Yes*	No				Yes	Yes			Sanitary and Storm Drain Infrastructure >40 years Old
CROS2	Connecticut River Basin	No			Yes*	No				Yes	Yes			Sanitary and Storm Drain Infrastructure >40 years Old
GRAS1	Connecticut River Basin/Deep Brook	No			Yes*	No				Yes	No			
HAAE4	Fourmile Brook	No			No	No				No	Yes			Sanitary and Storm Drain Infrastructure >40 years Old
HALE6	Stony Brook Basin	No			No	No				No	Yes			Sanitary and Storm Drain Infrastructure >40 years Old
HARB1	Connecticut River Basin	No			No	No				No	No			
KENT1A	Stony Brook Basin	No			Yes*	No				Yes	Yes	No		Sanitary and Storm Drain Infrastructure >40 years Old
MELR1	Threemile Brook Basin	No			Yes*	No				Yes	No			
SGRA1	Stony Brook (Suffield) - 03	No									Yes			Sanitary and Storm Drain Infrastructure >40 years Old
SGRA2	Stony Brook (Suffield) - 03	No									Yes			Sanitary and Storm Drain Infrastructure >40 years Old
PATR1	Mountain Brook (Suffield) -01	No			No	No				No	No	No		
RAWL1	Connecticut River Basin	No			Yes*	No				Yes	No	No		
CONS3	Connecticut River (Portland/Suffield)-03	No									No			
RIVE5	Connecticut River (Portland/Suffield)-03	No			Yes*	No				Yes	Yes	Yes		Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation
RIVE7	Connecticut River (Portland/Suffield)-03	No			Yes*	No				Yes	Yes	Yes		Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation
RIVV1	Connecticut River Basin	No			Yes*	No				Yes	Yes	Yes		Sanitary and Storm Drain Infrastructure >40 years Old; Septic with Poor Soils or Water Table Separation
SUFF4	Stony Brook Basin	No			No	No				Yes	Yes	No		Sanitary and Storm Drain Infrastructure >40 years Old
WOBD1	Threemile Brook Basin/Fourmile Brook	No			Yes*	No				Yes	No			

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.

Notes:
indicates Category B exceedances.
* There are crossings present but currently unsure of elevations of each pipe