

DRAFT

2023 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:

**Barton
& Loguidice**

41 Sequin Drive
Glastonbury, CT 06033
T: 860.633.8770
bartonandloguidice.com

**MS4 General Permit
Town of Suffield 2023 Annual Report
Existing MS4 Permittee
Permit Number GSM000015
January 1, 2023 – December 31, 2023**

Primary MS4 Contact: Bill Hawkins, AICP; Director of Planning & Development; (860) 668-3848; bhawkins@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, 2023 to December 31, 2023 (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 2023, the total number of municipal outfalls slightly increased from 267 to 270, based on additional information gathered. The number of interconnections identified decreased from 12 to 11 in 2023. 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. Eight 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. These samples will continue to be collected in 2024. 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, eight locations were screened completely and four were unable to be completed because they were dry during the first round of screening. Further attempts will be made to complete these investigations, most likely during the spring of 2024, when the groundwater levels are higher. For the investigations completely screened, reports are in the process of being generated and are anticipated on being completed early in 2024.

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 2024 and will continue to inspect any new structures identified in 2024, 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. In 2024, 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 2024, 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 intends to review these recommendations 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. 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)

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 2022 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 | 2022 Draft Report Notice Posted: 1/30/23 Draft Available: 2/15/23-3/28/23 | Town Hall and website: https://www.suffieldct.gov/departments/public-works/stormwater | 2023 Draft Report was posted in the Journal Inquirer 1/31/24 Draft Available: 2/15/24-3/28/24 |
| 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)

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 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 | Dec 2024 | |
| 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 2023. | | | | | | |
| No suspected illicit discharges reported in 2023. | | | | | | |
| 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 (no SSOs were reported in 2023): | | | | | | |
| 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 |

3.4 Provide a summary of actions taken to address septic failures during the Reporting Period using the table below.

| Method used to track illicit discharge reports | 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 |
|------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|-------------------------------------------|----------------------------|
| | | | | |

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 (increased from 267 in 2022 due to updated mapping) |
| Estimated or actual number of interconnections | 11 (decreased from 12 in 2022 due to updated mapping) |
| Outfall mapping complete | 99% |
| 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 | 267 - Initial rankings completed, process is ongoing. |
| Dry weather screening of all High and Low priority outfalls complete | 259 of 270 |
| Catchment investigations complete | 8 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 2024 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 May 12, 2022.

4. CONSTRUCTION SITE RUNOFF CONTROL (Section 6(a)(4) / page 25)

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 | Dec 2024 | In 2024, the Town will review B&L’s comments and will look to update its regulations, as necessary, to improve compliance with MS4 general permit. |
| 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. | Continue inspection and checklist program | Planning & Zoning | On-going | The Town conducted the necessary site inspections during the reporting period. |

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Date completed/ projected | Additional details |
|---------------------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|---------------------------------|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.
- 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)

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, has reviewed current Town LID regulations and made recommendations towards improving compliance with the MS4 General Permit. | Review/Update regulations | Planning & Zoning | Dec 2024 | In 2024, the Town will review B&L’s comments and will look to update its regulations, as necessary, to improve compliance with MS4 general permit. |

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Date completed/ projected | Additional details |
|-------------------------------------------------------------------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|---------------------------------|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 | In 2024, the Town will review B&L's comments and will look to update its regulations, as necessary, to improve compliance with MS4 general permit. |
| 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. |
| 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 draft plan for routine inspections and maintenance for the Town's basins and structures is currently being reviewed by the Town. In 2021, B&L conducted stormwater structure inspections 29 of 34 stormwater treatment structures identified and started drafting reports and recommendations for maintenance. Based on the inspections conducted, B&L will provide 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 beginning in 2024 (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 | Schedule a meeting to review with Town representatives. | Prioritize area for retrofit | Planning & Zoning | Dec 2024 On-going | No new actions were completed on this item in 2023. |

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

- Revise land use regulations to comply with the requirements of the MS4 General Permit.
- 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)

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 on May 12, 2022. A pollution prevention & good housekeeping training matrix has been developed and will be implemented in 2024. . | Implement training relevant to the department | DPW, Recreation and Parks, Planning & Zoning | On-going | |

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Date completed/ projected | Additional details |
|---------------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| 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 | Dec 2024 | 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. |

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Date completed/ projected | Additional details |
|----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|---------------------------------|---------------------------|----------------------------------------------------------------------------------------|
| 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 will work on addressing these issues in 2024 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. |
| 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. In 2024, 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 | Dec 2024 | Updates to come in 2024 after the Town’s development of the plan. |
| 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. |
| 6-12 Develop/implement snow management practices (Due 7/1/18) | Complete/ On-going | Streets & municipal lots were 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.
- 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 cleansing and snow management practices.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

| Metrics | |
|--------------------------------------------------------------------------------------------------------------------------|----------------------|
| Employee training provided for key staff | Yes – 5/12/22 |
| 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 | 2,260 mapped to date |
| Total catch basins in MS4 | 2,615 mapped to date |
| Catch basins inspected | 100 |
| Catch basins cleaned | 100 |
| 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 | ~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

| |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. In 2024, 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.Indicate which stormwater pollutant(s) of concern occurs 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 ☒

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, due to the limited qualifying rain events and limited available resources, there was no annual sampling of the priority six outfalls. The 6 outfall for prioritized monitoring were sampled again in the summer of 2023. |
| 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)

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 |
| 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 |
| 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)

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 | 10/31/2018 | 373 | 0.22 | 16.45 | 0.50 | 0.04 | 1.5 | 62 | Phoenix | YES |

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 | 9/10/2019 | 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 2024. | | | | | | | | | |

3. Catchment Investigation data (Appendix B (A)(7)(e) / page 9)

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.

2. Key junction manhole dry weather screening and sampling data

| Pipe ID | Latitude | Longitude | Outfall ID | Sample Date | Evidence of illicit discharge | Outfall Turbidity (NTU) | Turbidity Upstream (NTU) | Ammonia (mg/L) | Chlorine (mg/L) | Surfactants (mg/L) | E.coli (col/100ml) | Lab |
|-----------------|-------------|--------------|------------|-------------|-------------------------------|-------------------------|--------------------------|----------------|-----------------|--------------------|--------------------|---------|
| BROK1 | 41.988853 | -72.65513 | BROK1 | 5/25/2021 | Yes | 956 | 19.5 | 0.25 | 0.28 | 0.16 | 4640 | Phoenix |
| CB2506-CB0763 | 41.98968506 | -72.65378571 | | 5/25/2021 | Yes | 13.3 | 19.5 | 0 | 0 | 0.27 | 100 | Phoenix |
| Outlet107-Swale | 41.98934 | -72.65456 | | 5/25/2021 | Yes | 3.26 | 19.5 | 0 | 0 | 0.11 | <10 | Phoenix |
| Outlet108-Swale | 41.98941 | -72.65448 | | 5/25/2021 | Yes | 31.3 | 19.5 | 0 | 0 | 0.3 | 1480 | Phoenix |
| CB1924-CB2141 | 41.99334717 | -72.62347412 | CROS2 | 5/25/2021 | Yes | n/a | n/a | 0.25 | 0.07 | 0.25 | 10 | Phoenix |
| MH047-MH046 | 41.99626923 | -72.62297821 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.1 | 0.24 | 10 | Phoenix |
| CROS2 | 41.993119 | -72.623011 | | 5/25/2021 | Yes | n/a | n/a | 0.25 | 0 | 0.25 | n/a | Phoenix |
| MH142-MH-047 | 41.99626541 | -72.62289429 | | 6/22/2021 | Yes | n/a | n/a | 0.5 | 0.06 | 0.56 | n/a | Phoenix |
| YD080-YD081 | 41.9967804 | -72.62232208 | HALE6 | 7/22/2021 | Yes | n/a | n/a | 0 | 0.08 | 0.22 | n/a | Phoenix |
| HALE6 | 41.963554 | -72.687649 | | 6/18/2021 | Yes | n/a | n/a | 0 | 0 | 0.46 | n/a | Phoenix |
| UNK2-CB1473 | 42.01402664 | -72.61275482 | | 6/18/2021 | Yes | n/a | n/a | 0 | 0.03 | 0.18 | n/a | Phoenix |
| HARB1 | 42.015423 | -72.612186 | | 6/18/2021 | Yes | n/a | n/a | 0 | 0.04 | 0.25 | n/a | Phoenix |
| KENT1A | 41.973034 | -72.645023 | KENT1A | 6/18/2021 | Yes | n/a | n/a | 0 | 0.08 | 0.29 | n/a | Phoenix |

| Pipe ID | Latitude | Longitude | Outfall ID | Sample Date | Evidence of illicit discharge | Outfall Turbidity (NTU) | Turbidity Upstream (NTU) | Ammonia (mg/L) | Chlorine (mg/L) | Surfactants (mg/L) | E.coli (col/100ml) | Lab |
|---------------|-------------|--------------|------------|-------------|-------------------------------|-------------------------|--------------------------|----------------|-----------------|--------------------|--------------------|---------|
| UNK2-CB2101 | 42.00777817 | -72.63685608 | MELR1 | 6/18/2021 | Yes | n/a | n/a | 0.25 | 0.04 | 0.28 | n/a | Phoenix |
| MH033-MH051 | 41.99580002 | -72.61686707 | RAWL1 | 6/22/2021 | Yes | n/a | n/a | 0 | 0.01 | 0.22 | n/a | Phoenix |
| UNK1-CB1886 | 41.99537659 | -72.61829376 | | 6/22/2021 | Yes | n/a | n/a | 0 | 0.11 | 0.23 | n/a | Phoenix |
| RAWL1 | 41.995773 | -72.615917 | | 6/18/2021 | Yes | n/a | n/a | 0.25 | 0.11 | 0.26 | n/a | Phoenix |
| SECO2 | 41.99498 | -72.62065 | | 6/18/2021 | Yes | n/a | n/a | 0.5 | 0 | 0.25 | n/a | Phoenix |
| SECO1 | 41.99498 | -72.62065 | | 6/18/2021 | Yes | n/a | n/a | 0 | 0.02 | 0.11 | n/a | Phoenix |
| CB1885-MH0142 | 41.99536514 | -72.61820984 | | 6/18/2021 | Yes | n/a | n/a | 0.25 | 0.07 | 0.43 | n/a | Phoenix |
| UNK1-CB1894 | 41.99497223 | -72.61962891 | | 6/18/2021 | Yes | n/a | n/a | 0.25 | 0.04 | 0.24 | n/a | Phoenix |
| CB1897-CB1894 | 41.99497223 | -72.61962891 | | 6/18/2021 | Yes | n/a | n/a | 0.25 | 0.06 | 0.53 | n/a | Phoenix |
| CB1352-CB1353 | 42.01676941 | -72.610466 | RIVV1 | 5/25/2021 | Yes | n/a | n/a | 0 | 0.07 | 0.09 | 468 | Phoenix |
| CB1354-CB1353 | 42.01615524 | -72.61060333 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.02 | 0.1 | 85 | Phoenix |
| CB1348-RIVV1 | 42.01596069 | -72.60876465 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0 | 0.1 | 228 | Phoenix |
| CB1343-CB1344 | 42.01790619 | -72.61096191 | | 6/22/2021 | Yes | n/a | n/a | 0 | 0.01 | 0.17 | 52 | Phoenix |
| CB1350-CB1352 | 42.01704407 | -72.61047363 | | 6/22/2021 | Yes | n/a | n/a | 0 | 0.03 | 0.23 | 10 | Phoenix |
| CB1351-CB1352 | 42.01681519 | -72.61056519 | | 6/22/2021 | Yes | n/a | n/a | 0 | 0 | 0.18 | <10 | Phoenix |
| UNK1-CB1402 | 42.01630783 | -72.62419128 | WOBD1 | 5/25/2021 | Yes | n/a | n/a | 0 | 0.29 | 0.16 | n/a | Phoenix |
| UNK3-CB1398 | 42.01720428 | -72.6253891 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.1 | 0.13 | n/a | Phoenix |
| RP1-CB1398 | 42.01720428 | -72.6253891 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.03 | 0.04 | n/a | Phoenix |
| UNK4-CB1398 | 42.01720428 | -72.6253891 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.1 | 0.12 | n/a | Phoenix |
| WOBD1 | 42.018602 | -72.625851 | | 5/25/2021 | Yes | n/a | n/a | 0 | 0.03 | 0.13 | n/a | 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 2024. | | | | |

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 | | | |
| 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 | Visually in field and field/lab testing | 5/25/2021 and 6/22/2021 | | | |

| 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 |
|---------------------------------|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------|---------------------|----------------------------------|----------------------------------|
| | | 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. | | | | | |
| 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 | 5 | 6 | 0 | | 3 | 1 | 3 | | | 0 | | 11 | 18 | High |
| CROS2 | Connecticut River Basin | n/a | 10 | 0 | | 0 | 2 | 3 | | | 0 | | 10 | 15 | High |
| RIVV1 | Connecticut River (Portland/Suffield)-03 | 1 | 3 | 0 | | 3 | 2 | 3 | | | 0 | | 4 | 12 | High |
| CANA3 | Connecticut River (Portland/Suffield)-03 | 2 | 0 | 3 | | 3 | 1 | 3 | | | 0 | | 2 | 12 | 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 |
| RAWL1 | Connecticut River Basin/Rawlins Brook | n/a | 3 | 0 | | 0 | 2 | 1 | | | 3 | | 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 |
| 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 |
| BOST4 | Stony Brook (Suffield) - 01 | 2 | 0 | | | 2 | 1 | 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 | | | 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 |
| SGRA1 | Stony Brook (Suffield) - 03 | 1 | 0 | 0 | | 2 | 1 | 3 | | | 0 | | 1 | 7 | Low |
| SGRA2 | Stony Brook (Suffield) - 03 | 1 | 0 | 0 | | 2 | 1 | 3 | | | 0 | | 1 | 7 | Low |
| 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 |
| 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 |
| HARB1 | Connecticut River Basin | n/a | 2 | 0 | | 0 | 1 | 2 | | | 0 | | 2 | 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 | | 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 | | | | | | | | |

| 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 | | | |
| 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 |
| RIS1 | 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 | | 0 | 1 | 2 | | | 0 | | 0 | 3 | Low |
| DAY3 | Stony Brook Basin | n/a | | 0 | | 0 | 1 | 2 | | | 0 | | 0 | 3 | Low |
| DEV1 | 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 |
| KENN1 | 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 | | | | | | | | |

| 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 | | | |
| HIDD1 | Onion Brook | n/a | | 0 | | 0 | 1 | 1 | | | 0 | | 0 | 2 | Low |
| USE3 | Connecticut River Basin | n/a | 0 | 0 | | 0 | 1 | 1 | | | 0 | | 0 | 2 | Low |
| USE4 | 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/100ml, 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 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | System Vulnerability Factors |
|------------|------------------------------------------|-----------------|--------------------------------|----------------------------|-------------------------------------------|---------------------------------|--------------------------------------|------------------------------------------|---------------------------------|-------------------------------------------|-------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| | | History of SSOs | Common or Twin Invert Manholes | Common Trench Construction | Storm/Sanitary Crossings (Sanitary Above) | Sanitary Lines with Underdrains | Inadequate Sanitary Level of Service | Areas Formerly Served by Combined Sewers | Sanitary Infrastructure Defects | SSO Potential In Event of System Failures | Sanitary and Storm Drain Infrastructure >40 years Old | Septic with Poor Soils or Water Table Separation | History of BOH Actions Addressing Septic Failure | |
| 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 presnet but currently unsure of elevations of each pipe