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TOWN OF PLAINVILLE

2023 ANNUAL REPORT

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

Registration No. GSM000004

Prepared by Town of Plainville

Department of Technical Services
Engineering Division
One Central Square
Plainville, CT 06062

April 1, 2024

Introduction

The following is the Town of Plainville's 2023 MS4 Annual Report, prepared in accordance with the Connecticut Department of Energy and Environmental General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4), Permit Number GSM000004. In accordance with the General Permits' requirements, the 2023 Annual Report shall be made available for public comment at least 45 calendar days prior to its submission to the Connecticut Department of Energy and Environmental Protection by April 1st of each calendar year. The draft and final 2023 MS4 Annual Report will be posted on the Town's Website and is also available in the Town of Plainville's Engineering Department. The report shall include a discussion concerning the status of compliance with the General Permit. Within the report shall be a listing and brief description of each Minimum Control Measure, actions completed during the last calendar year for each of the Minimum Control Measures, the overall compliance status of each of the Minimum Control Measures, the effectiveness of each action in achieving the permit goals, discussion on planned actions in the upcoming calendar year and reporting the findings of stormwater monitoring.

Minimum Control Measures

Public Education and Outreach

Educational and outreach efforts provide a greater understanding of the importance of the impacts of improper use and disposal practices of everyday products. Informed and knowledgeable citizens have a greater understanding and appreciation of how their actions impact the environment. This knowledge, understanding and acceptance are essential to gain the public's interest, confidence, and support to modify society's habits regarding their actions and how they impact the environment. Greater acceptance of greener and or environmentally friendly practices is a byproduct of awareness of how individual actions impact the environment.

The Town has undertaken various initiatives to develop and distribute materials. Various departments, commissions and agencies have worked together to dispense relevant information pertaining to greener and environmentally friendly practices. Universal brochures and fact sheets have been reviewed with governing land use commissions. The results of these reviews have generated modifications to regulations and ordinances and continually generate new practices and standards. Additionally, the Town supports groups and or individuals to organize efforts that address specific causes which directly or indirectly impact the environment and stormwater.

General Goals:

- Raise public awareness that impacted/polluted stormwater runoff is a significant source of receiving water quality issues;
- Motivate residents to reconsider everyday practices that contribute to adverse impacts/pollution to stormwater; and
- Encourage residents to adopt the use of Best Management Practices (BMPs) that reduce opportunities to adversely impact/pollute the environment; and
- Develop everyday practices that reduce potential pollution sources.

The measurable results of the Public Education and Outreach of the Stormwater Management Plan are as follows:

> The Planning and Zoning Commission periodically reviews their Master Plan for Development and Conservation in part to ensure the Town's long-term goals are consistent with sound environmental practices. Modifications are adopted as warranted. The last major modification was completed during the 2019 calendar year. A revised Master Plan for Development and Conservation was adopted in 2019. This major modification added a new section entitled "Conservation Strategies" encompassing guidelines and goals related to the Protection of Natural Resources, Preservation of Open Spaces, and Promoting Sustainability and Resiliency. During the past calendar year, the Planning and Zoning Commission during their review of proposed developments referred to this section to ensure the proposed developments practices and ultimate outcomes were consistent with the guidelines and goals established by the Master Plan for Development and Conservation.

The Planning and Zoning Commission reviews all land use applications to determine consistency with the "Plainville's Low Impact Development and Storm Water Management Design Manual". Certain types of applications trigger automatic Public Hearings, offering an opportunity for the public to comment. Development plans are often modified based on staff and/or public comments regarding many issues including impacts on the environment. Comments regarding stormwater management practices are routinely identified and addressed by Town staff. Additionally, Town staff regularly reviews with the Planning Commission innovative stormwater management techniques determining whether they are applicable to be included in the commission's regulations. Revisions to the Low Impact Development Guidance Document are made to clarify and identify water quality standards as warranted. A copy of "Plainville's Low Impact Development and Stormwater Management Design Manual" is posted on the Town's web site.

The Planning and Zoning Regulations are periodically reviewed to encourage "Smart Development Techniques". All changes to the regulations require a public hearing. Proposed changes may be suggested by the public. The Planning and Zoning Regulations are posted on the Town's web site.

The Town's Catch Basins are regularly stenciled reminding individuals that dumping items or fluids into the catch basins can/may create pollution and could be harmful to the environment. The Town's Roadway Division maintains the stenciled markings when the catch basins are cleaned.

The Town through the Water Pollution Control Division and the Plainville Southington Health District continue the implementation of a program to inform grease generators to the importance of properly addressing grease byproducts consistent with DEEP's FOG Regulations. New and problematic establishments are required to upgrade their collection systems for grease byproducts. Permits applications include documents explaining the FOG Regulations. During the 2021 calendar year, the Water Pollution Control Division began the process to revise the Town's FOG regulations. A revised FOG regulations was adopted on April 16, 2022.

Continued discussions with commercial vehicle operators on the importance of promptly addressing spilled vehicle fluids. These discussions generally involve interaction between Town inspectors and a specific operator. The fire department responds to any reported vehicle fluid spills and seeks DEEP's assistance when appropriate. Additionally, the Water Pollution Control Division maintains records related to oil/water separator structures and routinely inspects establishments that utilize these devices to ensure compliance with generally accepted engineering standards.

Developers/builders are provided instructions and advice regarding the importance of properly installing and maintaining sedimentation and erosion control devices. These instructions include informing them of their responsibility to secure permits from other agencies. Most developments require periodical inspections by Town staff beginning with a preconstruction inspection. During the past calendar year, the Planning Department completed inspections at three large scale developments. Inspections were completed prior to the start of construction and periodically as warranted. Generally visual and drive-by inspections occurred monthly and before/after major storm events.

A fact sheet was developed and posted on the Town's web site providing interested individuals guidance on a variety of common topics and Best Management Practices as they relate to common activities and potential pollution reduction actions. Information was provided on the following topics: Lawn Care, Disposal of Common Household Substances, Pet Waste Management, Swimming Pool Discharge and

Automobile Maintenance and Cleaning. The fact sheet was updated and reposted on the Town's web page, January 2023.

Past monitoring results indicate that improper pest waste disposal is problematic especially in residential areas. Principles of why the proper management of pet waste is important were conveyed when appropriate during the public's interaction with the Animal Control Officer. Additionally, in park areas regularly frequented by pets and their owners, waste receptacles are provided with detailed instructions.

The Town annual clean-up events were canceled this calendar year due to the lack of interest. Town officials plan to resume these events in the upcoming calendar year along with a more aggressive campaign to recruit volunteers.

The staff of the Engineering Department is available to assist and/or research topics of concern related to stormwater for the Town Council, Town Agencies, and residents. The general population has generally expressed little interest in stormwater matters other than flooding.

During the 2023 calendar year, the Town of Plainville will continue to provide public education and outreach as warranted in conformance with the Stormwater Management Plan. Efforts will be made to provide services that would better inform the public. It is proposed that an increased emphasis will be placed on bolstering the availability of educational materials. These educational materials shall be posted on the Town's website. Inquiries will be addressed as warranted. The Town of Plainville in the upcoming calendar year will continue to address the public's need to be informed of pertinent stormwater management matters.

Target Year	Activity	Responsible Department
Ongoing after December 2017 – Yearly Review and Action	Update Prepared Brochures and Fact Sheets – Tailored to targeted Pollutants of Concern (BMP ID # 1-1A)	Technical Services – Ongoing Yearly review was completed – Goal – to bolster availability of brochures and fact sheets – New Guidance Document created and posted on Town's Web Site -2018 -Updated December 2023
Ongoing after December 2017 Yearly Review and Action	Create Brochures and Fact Sheets specific to Plainville if necessary (BMP ID # 1-1B)	Technical Services
Ongoing after December 2017 Review and Action	Stormwater Facilities and Install Tributary Signage (BMP ID #1-1C)	Roadways – Ongoing –Action taken during the 2023 calendar Year was the continued stenciling of catch basins which will continue in 2024
Ongoing after December 2017	Compile and Distribute listing of Web Sites (BMP ID #1-1D)	Technical Services – New guidance document maintained and updated – Mercury December

Yearly Review and Action		2019, Annual Review completed December 2023 Goal for 2024 to update and bolster listings if warranted
Ongoing after December 2017 Yearly Review and Action	Coordinate and publicizing pertinent activities (BMP ID # 1-1E)	Technical Services – Ongoing
Ongoing after December 2017 Yearly Review and Action	Prepare and distribute brochures and or fact sheets for target groups (BMP ID #1-1F)	Technical Services – Fact Sheet updated December 2023
Ongoing after December 2017 Yearly Review and Action	Reconcile/Revise Town Ordinances and or regulations to be consistent with stormwater plan (BMP ID #1-1G)	Technical Services - Town Ordinances/Regulations yearly– first completed December 2017 – Adoption Illicit Discharge Ordinance 2019
Ongoing after December 2017 Yearly Review and Action	Enforce the appropriate ordinances and regulations ensuring compliance with the Stormwater Plan (BMP ID #1-1H)	Technical Services Various Enforcement Agents – Action taken as warranted
Ongoing after December 2017 Yearly Review and Action	Distribute of Educational Materials (BMP ID #1-2A)	Technical Services – 2023 Revised guidance document 2024 modify guidance document as warranted
Ongoing after December 2019 Yearly Review – Task Completed 2019 (see BMP ID#1-1E	Address educational outreach for pollutants of concern (BMP ID #1-2B) Bacteria	Technical Services –2023 Emphasis on Bacteria – Review published information – develop revisions to educational materials - Limited Success will continue effort in 2024
Ongoing after December 2020 Yearly Review – Task Completed 2020	Address Educational outreach for pollutants Winter Salt – (BMP ID #1-2B)	Technical Services – Goal for 2024 Continue efforts to develop BMP for Winter Salt Applications – Public and Private – Roadways recalibrated/checked trucks, December 2023

Minimum Control Measure

Public Involvement and Participation

Public involvement and participation are essential in the development and implementation of the stormwater management plan. As the community becomes more actively engaged, the program should evolve into the community's policies and practices rather than mandates forced upon the community by others. Greater acceptance of greener practices is a byproduct of awareness of how an individual's action impacts the surrounding world.

General Goals

- Provide opportunities for the public to participate in decision making policies;
- Identify stakeholders concerned about environmental policies;
- Support community-based efforts to improve environmental conditions; and
- Provide notification for proper disposal and recycling efforts and events.

The measurable results of the Public Involvement and Participation elements of the Stormwater Management Plan are as follows:

During the 2023 calendar year, the Town continued the practices and policies governing public involvement and participation elements of the Stormwater Management Plan as describe below:

Lingering COVID concerns seem to have made at times in person interaction more difficult. Individuals seemed to be less interested in getting involved. In order to increase participation in the future when applicable virtual gatherings were used.

The Town has undertaken various initiatives to develop and continues the distribution of educational opportunities. Various departments, commissions and agencies have worked together to dispense relevant information pertaining to greener practices.

As an example: During the 2023 calendar year, the Planning and Zoning Commission conducted Public Hearings to consider revisions to their regulations. The adoption procedures involve public information sessions including opportunities for the public to present and voice facts and opinions. Special attention was given to include organizations and individuals who had a desire to contribute to the development and implementation of the revisions. Additionally, efforts were made to reach out and include the expertise of individuals and special interest groups that expressed interest in contributing to the effort.

Local Boards and Commissions have authority including the following duties: the operation and maintenance of the infrastructure, jurisdiction related to land use practices, enforcement of soil sedimentation and erosion control, and operation of parks and recreation activities. Local Boards and Commissions including elected officials, decision makers, Town Department Heads, Economic Development Agency, Operational Staff, and citizens contributed to the effort to develop and implement the Stormwater Management Plan.

Other groups such as State Agencies, Environmental Groups, Trade Organizations, private individuals, (Developers, Facility Owners, Environmental Activists, Educators, and Neighborhood Leaders), were invited to attend informational meetings as warranted. During the review of a proposed multi-use path various individuals interested in environmental concerns were afforded the opportunity to participate in the development of a route consistent with sound environmental practices.

Local support of the Stormwater Management Plan has involved efforts by various groups to clean-up the community, change the public's attitudes and modify the public's practices regarding environmental issues. (i.e., River Clean-ups, Plainville Freedom Lawn Initiative, and support of Capital Upgrades to Town Facilities, Conservation Subcommittee Friends of Paderewski Park Pond).

The Stormwater Management Plan and Annual Reports are available for public review on the Town's Web site and in the Engineering Department. The Annual Report was "Spotlighted" on the Town's Home Page for several weeks after its posting.

During the 2024 calendar year, the Town of Plainville will continue to maintain practices, policies and regulations that are consistent with the Storm Water Management Plan.

Ongoing after April 2017 Yearly Review and Action	Comply with State and Local Public Notice and Freedom of Information Requirements (BMP ID #2-1A)	Town Clerk Technical Services – Completed – No FOI Requests Received – Pertinent documents made available for review on the Town's Web Site and at the Engineer's Office – Goal for 2024 Post pertinent materials on Town's Web Site and comply with FOI requests in a timely manner
Ongoing after April 2017 Yearly Review and Action after April 2017	Identify Stakeholders (BMP ID #2-2A)	Technical Services – Ongoing Specific to actions or projects – Input from interested individuals and groups considered prior to actions
Ongoing after April 2017	Contact stakeholder groups (BMP ID #2-2B)	Technical Services – Ongoing Specific to actions or projects – Goal for 2024 maintain dialog with Wetlands, Planning/Zoning and Conservation
Ongoing after April 2017	Conduct informational meetings with various stakeholder groups (BMP ID #2-2C)	Technical Services – None Required – Groups involvement Included in the normal process.
Ongoing after April 2017	Support Community Clean-ups (BMP ID #2-3A)	Technical Services Physical Services Conservation Commission – Town wide Spring Clean-up was cancelled due to lack of volunteers – Goal for

		2024 maintain support of Town wide Spring Clean-up
Ongoing after April 2017	Support existing Boards and Commissions referring interested individuals to the appropriate group (BMP ID #2-4A)	Technical Services Various Commissions/Boards Town Manager Town Council – Support provided as warranted – Public Projects and Private Development
Ongoing after April 2017	Support existing Boards and Commissions referring interested individuals to the appropriate group (BMP ID #2-4B)	Technical Services Various Commissions/Boards Town Manager Town Council – support provided as warranted – private development proposals and public projects
Ongoing after April 2017	Encourage citizens to aid in the identification of polluters (BMP ID #2-4C)	Technical Services Town Manager Town Council – Outreach provided
Ongoing after January 2022	Advertise Household Hazardous Waste Collection Events – Regionally sponsored through Waste/Recycling coalition (BMP ID #2-5A)	Town Manager Public Works - Several events occurred during 2023 and several are planned for 2024
Ongoing after January 2022	Advertise Bulk Waste Collection including mattress, scrap metal, electronics, waste oil and Christmas tree recycling – (BMP ID #2-5B)	Town Manager Public Works Spring/Fall 2023 Bulk pickup occurred. Spring/fall 2024 Bulk pickup scheduled. Transfer Station is open from April to December for the collection of waste materials

MINIMUM CONTROL MEASURE

ILLICIT DISCHARGE DETECTION AND ELIMINATION

Illicit discharge identification and elimination represents an important element of preventing and eliminating the harmful impacts of point source pollutants. The Stormwater Management Plan addresses the potential adverse effects of illicit discharges on the environment. Illicit discharges are defined as non-storm flows, connections from washing machines, dishwasher or sinks, paint cleaners or chemicals, overflowing sanitary sewers, leaking septic tanks, and failing septic fields, oil, gas and car fluids, cooking oil and grease, litter, and legal dumping. Discharges DEEP considers exceptions to illicit discharges are water line flushing, landscaping irrigation overflow, diverted stream flows, uncontaminated ground water infiltration, uncontaminated pumped ground water, discharges from potable water sources, foundation drains, air conditioning condensation, springs, water sump pumps, footing drains, lawn watering, individual residential car washing, dechlorinated swimming pool discharge and firefighting activities.

General Goals

- Adopt local regulations that identify procedures to address illicit discharges through a Town Ordinance;
- Implement procedures to respond to inquiries related to illicit discharges; and
- Provide training to staff to identify and eliminate the sources of illicit discharges and ensure ongoing discharges do not continue.

The measurable results of the Illicit Discharge Detection and Elimination elements of the Stormwater Permit are as follows:

The Town of Plainville updated accordingly the Master Drainage Utility Maps to identify each drainage discharge and associated watershed. Additionally, each drainage discharge has been field located by coordinates, photographed, numbered, logged, and inspected. The inspection notes include recommendations to the Roadway Department to be incorporated into their Improvement and maintenance schedule. A systematic reinspection system was established. Approximately 50% of the drainage outlets were reinspected during 2017 with an additional 25% during 2018. The remaining 25% were reinspected in 2019. The goal in the future will be to reinspect each discharge once every five years.

During the 2020, 2021, 2022 and 2023 calendar years no reinspection occurred due to staffing issues related to the inability to fill an open position. The responsibilities of the open position include the inspection of drainage related facilities. It is the engineering department's goal to reinspect 20% of the Town's drainage outlets each calendar year. It is hopeful during 2024 calendar year reinspections will resume.

Field and maintenance personnel were briefed on how to identify an illicit discharge and their potential adverse effects. Periodic discussions with staff were conducted to introduce new topics or retrain employees. These discussions mainly occurred when daily tasks were assigned to maintenance personnel.

The Town adopted an Ordinance entitled "Illicit Discharge and Stormwater Connections" consistent with EPA's Model Ordinance on 6/17/2019. This ordinance will complement the Town's existing permit system for drainage connection to the Town's stormwater drainage system.

Property Owners are required to secure a permit from the Engineering Department before any connection to the drainage system is granted. The application process requires a description of the type of discharge, estimated volume, construction methods and construction plan. All connections are inspected during the installation. Connections discovered without a permit are required to secure a permit after the fact or ordered to be removed whether by the Town or property owner. Seven permits for connection to the drainage system were issued during the 2023 calendar year, (40 and 42 Metacomet Road, 135 Northwest Drive, 43 and 41 Hemingway Street, 197 Red Stone Hill and 39 Woodside Lane). No discharge locations were discovered connected without a permit.

Plainville's urban setting and preexisting dense development make it extremely difficult to eliminate entirely all connections to the public drainage. The definition of allowed or exempt illicit discharges as provided by DEEP's critique of the 2016 Annual Report and EPA's Model Ordinance doesn't address interior footing drains. The open sump pit can also function as a floor drain. It is unlikely such circumstances/discharges could unilaterally be defined as uncontaminated ground water discharges, thus, risk of contamination from such connections will not be eliminated.

The Town has worked diligently with its residents and staff to report evidence of pollution, trace the pollution to its source, enforce the appropriate rules or regulations and eliminate the source of the contamination.

Educational materials were made available to business owners and the general community outlining the permit system and reasons why the elimination of illicit discharges is important.

The intentional discharge of contaminates to the environment by individuals or organizations would appear to be in violation of other regulations administered by other agencies. Contaminates such as industrial chemicals are permitted by DEEP. Such permits are included in the Industrial Stormwater Permit. Accidental discharges are customarily addressed by DEEP with immediate and long-term remediation.

During the 2024 calendar year, the Town of Plainville will continue to maintain practices, policies and regulations that are consistent with the Stormwater Management Plan. The inspection of drainage outlets will continue until completion.

The overall IDDE program continues to be evaluated and modified to be consistent or (more consistent) with the standards set forth by the current MS4 permit including the establishment of the definition of an illicit discharge and legal authority to prohibit/control them. The IDDE program was adopted in October 2019 and posted on the Town's web site.

During the past calendar year, there were no sanitary sewer spills as reported by the Town's Water Pollution Control Department. There are no known cross connection between the drainage system and sanitary sewer system or combined sewers. Also, there are no known continuous or regular occurring sanitary sewer overflows into the drainage system.

During the 2023 calendar, no known septic system failures caused direct overflows into the drainage system. Four (4) existing septic systems were repaired, and zero new systems were installed. During the 2023 calendar year public sanitary sewers were extended into the Honor Heights Neighborhood. Eighty homes currently served by septic systems will have the availability to be connected to the newly installed sewer main in 2024. The main line construction was completed in October 2023. On or about April 1, 2024, property owners will have the ability to secure permits to abandon their existing septic systems and connect to the recently completed public sanitary sewer.

Target Year	Activity	Responsible Department
June 2018	Develop a Written IDDE Program (BMP ID #3-1A)	Technical Services – Completion Target Date May 2019 – Completed October 2019 – Posted of Town Web Site December 2019 – Goal 2024 Ongoing review and revisions as warranted
Ongoing after April 2017	Revise Master Drainage Maps (BMP ID #3-2A)	Technical Services – Review Completed – Revisions Completed – Goal maintain master maps as warranted – Goal 2024 Yearly updates as warranted
Ongoing after April 2017	Inspect Drainage Outlets (BMP ID #3-2B) water	Technical Services – 193 of 261 outlets inspected during calendar year 2017 and 2018– No new reinspections 2023 due Staffing Issues Goal 2024 reinspect 20% - 65 inspections
Ongoing after April 2017	Develop Citizen Reporting Program (BMP ID #3-3A)	Technical Services – completed – Annual Review completed – Goal for 2024– maintain and/or modify as warranted
Ongoing after June 2019	Review Existing Ordinance and Regulations (BMP ID #3.4A)	Technical Services – Ordinance and Regulation reviewed for concurrence. – Ordinance approved and effective 2019 - Established Ordinance IDSC –EPA Model Ordinance – adopted June 2019 – Task Completed
Ongoing after June 2020	Begin to systematically elimination of illicit discharges (BMP ID #3-6B)	Technical Services Physical Services – 2021 – None reported or discovered

Ongoing after June 2019	Draft Ordinance to Establish legal authority to prohibit illicit discharges (BMP ID #3.4B)	Technical Services Town Attorney Town Manager Town Council – Established a Permit System to identify and control discharges – complete – Goal for 2019 adopt Ordinance – Complete Ordinance adopted June 2019
Ongoing after June 2019	Identify and prioritize categories of non-stormwater discharges (BMP ID #3-6A)	Technical Services - Physical Services – Completed October 2019 IDDE Program – Goal reassess if warranted

IDDE Reporting Metrics

Number of MS4 Outfalls -193
Number of Interconnections - 0
Outfall Mapping - Completed
Interconnections Mapping - N/A
System-wide Mapping - Completed
Outfall Assessment and Priority Ranking
Dry Weather Screening of High and Low Priority Outfalls
Catchment Investigations
Estimated Percentage of MS4 Catchment Area Investigated

Employee Training

Stormwater training of town employees is through on the job instruction and training by supervisors, consultants and other programs offered by professional organizations. The primary focus of training continues to be cross training of existing employees within the divisions that make up the Department of Public Works aimed at ensuring a broader understanding of the roles of each member of the staff assigned specific stormwater management responsibilities, and how those activities are integrated to minimize the Town's impact to the environment and to meet the obligations of the stormwater general permit.

Training during the 2023 calendar year generally was conducted during informal daily staff discussions prior to being sent out on their daily assignments. Public Works supervisors, including the Superintendents, Town Engineer, Assistant Town Manager and Town Manager meet weekly to review work schedules, progress, coordinate activities and discuss ongoing issues. At these meetings, methods and practices are discussed. These discussions include stormwater and MS4 related matters.

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PLAINVILLE-SOUTHINGTON REGIONAL HEALTH DISTRICT

Serving the communities of Middlefield, Plainville and Southington

Public Health Main Office Satellite Office
Satellite OfficePublic Health

Prevent Promote Protect Prevent Promote Protect
196 NORTH MAIN ST. ONE CENTRAL SQUARE 405 MAIN ST., STE. I
SOUTHINGTON CT 06489 PLAINVILLE CT 06062 MIDDLEFIELD CT 06455 860-276-6275
. FAX 60-276-6277 ● pshd.org
SUSAN BENCIVENGA LONCZAK; M.P.H., R.S., DIRECTOR

Date: January 30, 2023

To: John R. Bossi, Director/Town Engineer

From: Lisa Bennett, Office Manage

Re: Replacement septic systems 2022

Below you will find the following Plainville addresses that required a replacement septic system between January 2022 and December 2022.

Address	Type
5 Jude Rd	Repair
90 Ledge Rd	Repair
77 Picknev Ave	Repair
126 Red Stone Hill Rd	Repair

Minimum Control Measure

Construction Site Runoff Control

Construction activities by their nature have the potential to create circumstances that generate unintended adverse impacts to the environment. The Town has developed and implemented various practices and procedures consistent with generally accepted BMPs to minimize these impacts.

General Goals

Review development/construction plans to ensure methods and practices are consistent with sound engineering practices intended to minimize the impacts of construction on the environment;
Periodically inspect construction sites to ensure methods and practices are consistent with the approved plans and sound engineering practices intended to minimize the impact of construction on the environment; and
Reconsider and revise required methods and practices that do not fully address existing site-specific conditions. Require construction methods and practices to be modified to address site specific conditions.

The measurable results of the Construction Site Runoff Control elements of the Stormwater Permit are as follows:

The Town Council adopted a Town Ordinance instituting authority to require runoff control from public and private properties – Chapter 210 Erosion and Sediment Control

The Planning and Zoning Commission has developed practices that increase the number of redundant measures required to control the impacts of construction activities. Erosion and Sediment Control measures and proper storage and use of construction chemicals and products are addressed in the current revised regulations and standard practices. The practice of closely reviewing the Erosion Control Plan and construction sequences of projects is seen as a critical element of the application process by the Planning and Zoning Commission. The Commission has directed staff to concentrate efforts on patterned problematic issues such as equipment maintenance and refueling and water way protection. Review considerations and inspection practices are consistent with the guidelines set forth in Connecticut Guidelines for Soil Erosion and Sediment Control dated 2002. New documents -CTDEEP's "Stomwater Quality Manual" and "Guidelines for Soil Erosion and Sedimentation Control Manual" which will become effective March 30, 2024 replacing the 2002 editions.

Other agencies such as the Wetland and Conservation Commission are consulted as warranted and have presented review comments which have assisted staff and the Planning and Zoning Commission in making prudent decisions regarding the protection of the environment.

As an example of the increased redundancies, revised regulations and standard practices supported by the Town's land use Commissions are requirements in the erosion control regulation to install silt fences backed up by hay bales. Additionally, runoff from construction sites must pass through a detention area before discharging off site.

A routine requirement of land use approvals is to require inspections before construction activities begin. Additional inspections occur as part of other inspections. Availability of staff precludes periodical routine inspections specifically for construction site runoff control on most projects; however, special attention is given to sites where past problems have occurred or a special concern was noted. Inspection notes are generated summarizing the current conditions, observed circumstances which present problems, conversations with responsible parties, instructions, and enforcement actions.

Enforcement actions have been standardized to include the following procedure: The owner/responsible party is immediately notified verbally, a written order is issued and delivered, remediation plan is ordered, developed, and implemented for immediate and long-term solutions, and follow-up inspections occur until the problem and damage is resolved.

The public is encouraged to offer comments during the review period. Plans are available for review in the Planning Office or with the Department of Technical Services. Oral and/or written comments are accepted by staff and the Commissions. Under certain circumstances, public hearings afford the public an opportunity to directly address the Commissions. Additionally, the public is encouraged to report any circumstance resulting from construction activities that they believe is a hazard to the environment. Each inquiry is investigated, and appropriate action is taken.

Actions undertaken include inspection and enforcement, receipt of public comments related to construction activities and reconsideration of practices and regulations regarding the control of runoff from construction activities.

During the 2024 calendar year, the Town of Plainville will continue to maintain practices, policies and regulations that are consistent with the Storm Water Management Plan. Additionally, the Engineering Department will review the standards and recommended practices and adopt prudent modifications if warranted specifically as they relate to CTDEEP's updated "Stormwater Quality Manual" and "Guidelines for Soil Erosion and Sedimentation Control Manual which shall become effective March 30, 2024.

Target Year	Activity	Responsible Department
Ongoing Yearly Review after April 2017	Review and Reconcile existing Town Ordinance "An Ordinance Establishing the Plainville Soil Erosion and Sediment Control Regulations (BMP ID #4-1A)	Technical Services Town Attorney Town Manager Town Council Completed – Goal for 2024 – Maintain Regulations with current standards
Ongoing Yearly Review after April 2017	Review and Reconcile Planning and Zoning Regulations with Stormwater Plan (BMP ID #4-1B)	Technical Services - Town Planner - Planning and Zoning Commission – Goal for 2024 – consider Stormwater Management Plan during the adoption of regulation revisions and site reviews

Ongoing Yearly Review after April 2017	Review and Reconcile Inland Wetland Regulations with Stormwater Plan (BMP ID #4-1C)	Technical Services - Town Planner Inland Wetland Commission- Complete – Goal 2024 continue consideration modify as warranted
Ongoing Yearly Review after April 2017	Examine and refine review procedures Private development (BMP ID #4-2A)	Technical Services - Town Planner – Goal 2024 continue consideration modify as warranted -New regulations likely to be implemented due to updated state guidelines
Ongoing Yearly Review after April 2017	Examine and refine review procedures public construction (BMP ID #4-2B)	Technical Services - Town Planner – Goal 2024 continue consideration modify as warranted -New regulations likely to be implemented due to updated State Guidelines
Ongoing Yearly Review after April 2017	Develop a plan and procedures for interdepartmental review coordination (BMP ID #4-2C)	Technical Services - Town Planner – Goal for 2024 continue implementing computer permit system – Viewpoint
Ongoing Yearly Review after April 2017	Review and refine inspection and enforcement procedures (BMP ID #4-3A)	Technical Services - Town Planner – Goal for 2024 continue maintaining practices and updating when warranted -new procedures likely to be implemented due to updated State Guidelines
Ongoing Yearly Review after April 2017	Identify priority criteria for site inspection and enforcement (BMP ID #4-3B)	Technical Services - Town Planner – Goal for 2024 continue maintaining practices and updating when warranted
Ongoing Yearly Review after April 2017	Develop formal inspection schedule (BMP ID #4-3C)	Technical Services - Town Planner Goal for 2024 continue maintaining practices and updating when warranted
Ongoing Yearly Review after April 2017	Conduct Site Inspections (BMP ID #4-4)	Technical Services - Town Planner – Example Erosion Control Inspections Willowbrook Development Goal for 2024 continue

		conducting inspections as warranted
Ongoing Yearly Review after 2017	Develop procedure for Public Comments for construction activities (BMP ID #4-5A)	Technical Services - Town Planner – Goal for 2024 continue maintaining practices and updating when warranted
Ongoing Yearly Review after 2017	Develop procedures for tracking public comments inquires and associated actions (BMP ID #4-5B)	Technical Services Town Planner – Goal for 2024 continue maintaining and or modifying procedures as warranted
Ongoing Yearly Review after 2017	Implement procedure to notify Developers about DEEP Construction Stormwater Permit	Technical Services - Town Planner – Goal for 2024 continue maintaining and or modifying notification procedure

Minimum Control Measures

Post Construction Runoff Control

Regulations and Ordinances were initiated to develop practices which governor the quantity and quality of storm water discharges from developed projects. These regulations and ordinances are generally summarized in the Town's "Low Impact Development and Stormwater Design Manual" including low impact development principles. All new developments or redevelopments implement elements that reduce the volume of runoff and enhance the quality of runoff. Developer proposals are required to provide calculations and evidence that demonstrates the principles and objectives of the "Low Impact Development and Stormwater Design Manual" are achieved. Additionally, Town staff performs inspections as warranted post construction to ensure the objectives were achieved and maintained.

General Goals:

Minimize and mitigate long-term impacts from existing development projects and practices on the water quality of stormwater runoff generated from these previously developed sites using the low impact design elements instituted in the original design and/or maintenance practices.

The measurable results of the Post Construction Runoff Control elements of the Stormwater Permit are as follows: Reviews for concurrence to the Town's Low Impact Development and Stormwater Design Manual were completed on each of the Planning and Zoning Applications received by the Town.

During the 2024 calendar year, the Town of Plainville will continue to maintain practices, policies and regulations that are consistent with the Storm Water Management Plan. Additionally, the Engineering Department will review the standards and recommended practices of the new MS4 permit requirements and modify the Post Construction Runoff Control goals and objectives as warranted.

Target Year	Activity	Responsible Department
Ongoing Yearly Review after 2017	Review and Reconcile existing Town Ordinance "An Ordinance Establishing the Plainville Soil Erosion and Sediment Control Regulations (BMP ID #5-1A)	Technical Services Town Attorney Town Manager Town Council - Complete – Goal for 2024 continue maintaining and or modifying as warranted
Ongoing Yearly Review after 2021	Review and Reconcile Planning and Zoning Regulations requiring new and redevelopment proposal/construction methods comply with the Town's Low Impact Development Guidance Document entitled "Plainville's Low Impact Development and Stormwater Management Design Manual" (BMP ID #5-1B)	Town Planner - Complete – Goal for 2024 continue maintaining and or modifying as warranted

Ongoing Yearly Review after April 2017	Review and Reconcile Planning and Zoning Regulations with Stormwater Plan (BMP ID #5-1C)	Technical Services Town Planner Planning and Zoning Commission Regulation Review Completed – Goal for 2024 continue incorporating consideration of the Stormwater Management Requirements into the review of Development Plans
Ongoing Yearly Review after April 2017	Review and Reconcile Inland Wetland Regulations with Stormwater Plan (BMP ID #5-1D)	Technical Services – Town Planner Inland Wetland Commission – Completed – Goal 2024 continue to ensure Town Wetland Regulation are consistent with DEEP's model regulations – modify if warranted
Ongoing Yearly Review after April 2017	Examine and refine review procedures Private development (BMP ID #5-2A)	Technical Services Town Planner – Completed – Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Examine and refine review procedures public construction (BMP ID #5-2B)	Technical Services Town Planner – Completed– Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Develop a plan and procedures for interdepartmental review coordination (BMP ID #5-2C)	Technical Services Town Planner – completed – Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Review and refine inspection and enforcement procedures (BMP ID #5-3A)	Technical Services Town Planner – completed – Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Identify priority criteria for site inspection and enforcement (BMP ID #5-3B)	Technical Services Town Planner – completed -– Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Develop formal inspection schedule (BMP ID #5-3C)	Technical Services Town Planner – completed – Goal for 2024 Review and modify if warranted
Ongoing Yearly Review after April 2017	Conduct Site Inspections (BMP ID #5-4)	Technical Services Town Planner – completed - Goal for 2024 perform inspections as warranted

Ongoing Yearly Review and Implementation after April 2017	Develop procedure for Public Comments for construction activities (BMP ID #5-5A)	Technical Services Town Planner Goals for 2024 receive public comments and revise procedure as warranted
Ongoing Yearly Review and Implementation after April 2017	Develop procedure for tracking public comments inquires and associated actions (BMP ID #5-5B)	Town Planner Technical Services – completed Goal for 2024 track inquiries and modify procedures if warranted
Implement long-term maintenance plan for stormwater basins and treatment structures December 2022 – not completed	Develop standard policies and procedures for the establishment, maintenance and enforcement of stormwater basins and treatment structures. Develop a listing of public/private detention/retention basins and other water quality measures (BMP ID #5-6)	Town Council Town Manager Town Engineer Town Planner Roadway Department Town Attorney 2024 Goal - Complete by December 2024
DCIA Mapping December 2022 – completed – Tighe & Bond	Calculate DCIA for entire Town using CTDEEP approved equations as posted on UCONN NEMO site (BMP ID #5-7)	Town Engineer Goal Complete
Ongoing Yearly Review and Implementation after July 2017	Implement procedure to notify Developers about DEEP Construction Stormwater Permit (BMP ID #5-8)	Technical Services Town Planner – Completed – Note Required on Approved Construction Plans – Goal for 2024 continue to notify developers

Minimum Control Measures

Pollution Prevention/Good Housekeeping

Implementing procedures and policies that prevent and or minimize pollutants encountering storm water runoff is important to maximize the quality of the storm water. Municipal functions and activities can affect storm water quality. The consideration of eliminating water pollution needs to be integrated into operational functions. Instituting best management practices including pertinent employee training, inspection procedures, maintenance schedules and operational functions are important in the reduction and/or elimination of pollutant discharges from municipal facilities such as roadways, parking areas, maintenance facilities, parks and grounds, storage complexes and waste handing locations.

General Goal

Implement policies and practices that reduce/eliminate adverse impacts to the environment which are caused by actions from the Town's operational functions.

The measurable results of the Pollution Prevention/Good Housekeeping elements of the Stormwater Permit are as follows:

The Town has undertaken various initiatives to reduce or eliminate pollutant discharges. The measurable results of the Pollution Prevention/Good Housekeeping elements of the Storm Water Management Plan during the past calendar year(s) are the following:

Practices, methods, and materials used have been reviewed and modified when warranted, thus reducing the potential for pollutant discharges. Practices such as the elimination of the grit component used for snow/ice control has vastly reduced the amount of sediment washed into the drainage system and ultimately into the receiving water. Operations such as street sweeping and catch basin cleaning can be completed in a timelier fashion after the snowmelt because the volume of material needing to be collected is vastly less.

Modifications to fleet maintenance practices include inspections of vehicles for fluid leaks. These routines inspections are completed during periodical scheduled maintenance. Drivers have been instructed to look out for fluid spots when moving the vehicle from their overnight parking spaces and report them to the fleet maintenance division. Fleet maintenance practices have been modified to recycle materials when appropriate. Additionally, all maintenance functions are completed inside the garage. Modified practices have also included the use of less toxic fluids when practical.

Building maintenance practices have been changed to avoid the use of toxic materials. Additionally, control structures such as grease traps and grit separators have been installed to avoid the introduction of floatable and or settable materials. These control structures are routinely inspected and cleaned when warranted.

Landscaping practices are reviewed to determine the appropriate applications of fertilizers and pesticides. The Town has adopted management practices to apply nutrients and pesticides at the appropriate times and amounts, Integrated Nutrient and Pesticide Management Program. Additionally,

fertilizer and pesticide applications have been eliminated at certain sensitive locations as deemed appropriate.

Storm water drainage structures at each facility are managed in a similar manner as drainage structures located on the roadways. Structures are regularly inspected and cleaned when warranted. Materials removed from the structures are disposed of in an appropriate manner. Some structures in areas prone to collect debris and sensitive areas are cleaned of debris twice a year, (spring and fall). Generally, the structures are clean on a three-year rotation.

A program was developed to sweep all streets at least once a year as soon as possible after snowmelt. Additionally, a program was developed and implemented to inspect areas known to require additional sweeping. These areas are swept more periodically, as warranted. A sand/salt deicing mixture has been replaced with an all-salt practice, thus, vastly reducing the volume of grit on the roadways which could discharge into the waterways. Each street and public parking area was swept in the spring.

A program was developed, instituted, and reviewed periodically to ensure each catch basin and outlet is inspected in a timely manner depending upon historical records of past problems. Catch basins sumps are cleaned generally once every other year. Catch basins known to collect large volumes of debris are clean yearly or more frequently as required. Drainage outlets are repaired and cleaned as warranted based on inspections and a priority system. Each catch basin was inspected and clean as warranted.

During the 2024 calendar year, the Town of Plainville intends to continue practices and policies which are consistent with best management practices avoiding the introduction of pollutants to storm water consistent will the guidelines of the MS4 permit. Additionally, the Engineering Department will review the standards and recommended practices of the MS4 permit requirements and modify the Pollution Prevention/ Good Housekeeping goals and objectives as warranted. There will be an emphasis on winter deicing salts during the next calendar year. Efforts will be made to determine whether it is practical to reduce the amount of deicing salts applied during snow and ice removal operations. Each truck will be recalibrated as warranted. Additionally, the Town has purchased and received a new catch basin cleaner. This new equipment should make catch basin cleaning more effective.

Target Year	Activity	Responsible Department
Ongoing Yearly Review after April 2017	Municipal Employee Training and Awareness (BMP ID #6-1)	Public Works – Roadway, Building and Grounds Water Pollution Control – Training Completed by Operational supervisors – Goal for 2024 provide annual retraining as apprpriate

Ongoing Yearly Review after April 2017	Develop and Implement BMPs for Facility maintenance and practices (BMP ID #6-2)	Public Works – Roadway, Building and Grounds Water Pollution Control – Completed - Goal for 2024 Operational practices reviewed and modified as warranted
January 2024	Implement coordination with another interconnect MS4s (BMP ID #6-3)	Technical Services
Ongoing Yearly Review after April 2017	Develop/implement program to control other sources of pollutants to MS4s (BMP ID #6.4A)	Technical Services Public Works – Operational practices reviewed and modified as warranted
Ongoing Yearly Review after April 2017	Review of Practices, Methods, and Materials (BMP ID #6-4B)	Technical Services Public Works – Review Completed – Goal for 2024 review and update as warranted
Ongoing Yearly Review after January 2019	Evaluate additional measures for discharges to impaired waters (BMP ID #6.5)	Technical Services – complete October 2019 – Goal 2024 reevaluate as required
January 2023	Track projects that disconnect DCIA (BMP ID #6.6)	Technical Services
Ongoing Yearly Review after January 2017	Develop program to evaluate and prioritize system for upgrade and or repair (BMP ID #6-7)	Technical Services Public Works – Approximately 75% of drainage system inspection and repairs prioritized – Goal for 2019 complete – Goal for 2024 reinspect 20% of System and prioritize repair goals based on initial inspection
January 2023	Develop/implement plan to identify/prioritize retrofit projects to disconnect DCIA – Goal 2% per year (BMP ID #6-8)	Technical Services
Ongoing Yearly Function	Develop/implement street sweeping program (BMP ID #6-9)	Public Works – Roadways – All streets swept spring of 2021 –

		Goal for 2024 – Sweep all Streets in spring 2024

Screening/Monitoring

The monitoring requirements of the MS4 permit program beginning July 1, 2017 consists of the following elements: Impaired Waters Outfall Investigation and Monitoring, Dry Weather Baseline Outfall/Interconnection Screening and Sampling, Wet Weather Outfall Sampling and Follow-up Screening.

Impaired Waters Outfall Investigation and Monitoring

The Town discharges to the following impaired waters:

Quinnipiac River – Queen Street to Hamlin Pond – PCBs and E-coli – Catchment Area #1
Pequabuck River – Route 72 to the Bristol City Line – E-coli – Catchment Area #2

Outlets discharging into these areas need to be screened for the pollutant identified as the pollutant of concern for the impairment. A review of the Master Drainage maps indicates 44 outfalls discharge directly into impaired waters.

Bacteria shall be sampled in accordance with the wet weather criteria: E-coli and Total Coliform (col/100ml). Further investigation needs to identify the source should the sampling exceed the following limits: E-coli > 410 Col/100 ml (non –swimming Area and/or Total Coliform > 500 col/100ml in any area. Any outlet discharges exceeding the limits shall investigated to determine the source of the bacteria. When the source of the bacteria is determined, a remediation plan needs to be implemented. Should the source be determined to be natural no remediation is required. Natural sources are wildlife or runoff from undeveloped areas. Sources such as pest waste and waterfowl congregating at parks, ponds or other attractive nuisance areas are not considered natural.

Screening for PCBs shall be completed by determining turbidity. The turbidity shall be sampled from the outfall and in-stream immediately upstream or otherwise outside the influence of the outfall. The sample may be taken during any rain event that results in a discharge that fulfills the wet weather criteria. If the field turbidity meter reading from the outlet's discharge is more than 5 NTU greater than the in-stream reading a follow-up investigation needs to be initiated to determine any sources. Upon determining the source(s) a remediation program needs to be implemented.

The screening results of outlets discharging to impaired waters shall be analyzed to determine prioritized Outfall Monitoring. Six outfalls with the highest contribution of each pollutant of concern shall be annually monitored for the appropriate pollutant(s) of concern.

Schedule of Deadlines

Initiate Impaired Waters Outfall Screening -	June 30, 2018 Not Achieved Revised Goal Begin Screening June 30, 2019 – Initiated October 2019
50% Outfalls Screened	June 30, 2020 – Not Going to be Achieved – Goal for completion June 2021- Revised Goal not Achieved new Goal June 30, 2022 – Revised Goal not Achieved 2023 New Goal 20243 -June 2024
100% Outfalls Screened	June 30, 2022 Goal not achieved – new Goal 2024

Annual Monitoring (six Outfalls) June 30, 2022 Goal not achieved – new Goal 2024

Dry Weather Baseline Outfall/Interconnection Screening and Sampling

All outlets need to be inspected for the presence of dry weather flow. Those outlets in which dry weather flow is observed shall be sampled. The purpose of this sampling is to identify illicit discharges and work to eliminate such discharges. The samples shall be analyzed for the following items: ammonia, chlorine, conductivity, salinity, E-coli, surfactants, and temperature.

Based on the findings of the dry weather inspections and a review of other pertinent factors which are identified as increasing the potential for illicit discharges, the outlets will be prioritized by the likelihood and risk of the potential presence of illicit discharges. The general priorities are generally as follows: Dry weather flow to impaired waters, Outlets in areas predominantly in areas serviced by subsurface septic systems beginning with non-residential uses, dry weather flow to non-impaired waters wet, dry weather flows to impaired waters and all other outlets.

Sampling of dry weather flows will be scheduled in accordance with the potential risk of illicit discharges and efficient use of time resources as described above.

Schedule of Deadlines

Initiate Dry Weather Sampling – no later than October 1, 2018 – Not Achieved – Goal June 30, 2019 – Dry Weather Sampling initiated in October 2019 – 69 Locations – 17 Locations had flow and were screened – Results of screening indicated no locations had tested parameters which exceeded the limit thresholds – See Summary in Appendix A. No dry weather sampling occurred during 2020, 2021 and 2022 due to COVID (2020 and 2021) and staff storage (2022). Goal to retain a consultant to perform and complete this task in 2023. Dry weather screening was completed in 2023. See results below.

Wet Weather Outfall Sampling

All outlets shall have at least one (1) wet weather sample collected for analyzed for the following items: ammonia, chlorine, conductivity, salinity, E-coli, surfactants, and temperature. Sampling must occur during or after a storm event of sufficient quantity or intensity to produce stormwater discharge at the outlet. Sampling, if possible, should occur during periods when ground water levels are relatively high, March through June ideally. In 2021, the occurrence of wet weather sampling events was not sufficient to complete the sampling, mini drought conditions. Wet weather sampling will begin again in March 2024. A consultant was retained to complete this task in 2024. The Town was informed that not enough wet weather opportunities were available to complete this task. The results of the sampling that did occur are noted below. A consultant will be retained to complete wet weather outfall sampling in 2024. It is hoped that enough wet weather sampling opportunities will be present to complete the task prior to June 2024

Based on the findings of the dry weather inspections and a review of other pertinent factors which are identified as increasing the potential for illicit discharges, wet weather outfall sampling will be prioritized by the likelihood and risk of the potential presence of illicit discharges. Wet weather sampling will be generally prioritized as

follows: outlets to impaired waters, outlets in areas serviced by subsurface septic disposal, industrial areas, commercial areas, and residential areas.

Schedule of Deadlines

Initial Wet Weather Screening to Begin March 2020 – Retained Tighe and Bond Engineers to execute task – # of samples to be tested in 2020 – 40 locations and # of samples tested in 2021 – 0 locations and 0 samples tested in 2022 – 0 samples tested in 2023

Completion Goal: All outlets to be sampled – June 30, 20252

Confirmatory Outfall Screening

A confirmatory outfall screening shall be completed within one (1) calendar year of the removal of any illicit discharge and or correction of a sanitary sewer overflow. Confirmatory screening must be conducted during dry weather condition unless System Vulnerability Factors have been identified in which both dry and wet weather needs to be conducted. If the confirmatory screening indicates evidence of additional illicit discharges and or sanitary sewer overflows further investigation and remedies shall be pursued. Confirmatory Outfall Screening shall be analyzed for the following items: ammonia, chlorine, conductivity, salinity, E-coli, surfactants, and temperature.

Follow-up Screening

Upon completion of all catchment investigation and illicit discharge removal and confirmatory, each outfall or interconnection shall be re-prioritized for screening and scheduled for ongoing screening within five (5) years. Follow-up screening shall consist of dry weather screening and sampling. Follow-up wet weather screening and sampling shall also be conducted at outfalls where wet weather screening was required due to System Vulnerability factors.

Screening/Monitoring 2019

The Town of Plainville completed the reassessment for the Town's 261 identified drainage outfalls. Upon further review the number of required wet and dry screening locations was revised to 178 locations All outfalls including those previously identified were inspected, photographed, and categorized. A simple worksheet was used to record any findings. During the 2018 calendar year forty- four (44) outlets discharging directly to impaired waters and one hundred and five (105) (total of 149) other outfalls were inspected, photographed, and categorized. The remaining one hundred and twelve, (112) outlets were inspected, photographed, and categorized in calendar year 2019. The total outlets were subdivided into structures with and without dry weather flow. Of all the outlets, 37 were determined to have dry weather flow. Outfalls with dry weather flow were identified as the highest priority screening sites with outfalls to impaired water receiving the highest priority.

The System Vulnerability Factors were examined. These factors included: history of sanitary sewer overflows, common or twin invert storm and sanitary sewer alignments, common trench alignment, crossing of storm and sanitary sewers alignment with sanitary sewers constructed above the drainage facilities, sanitary sewers constructed in conjunction with underdrains, inadequate sanitary sewer service and areas serviced by septic

systems. Of the factors two were deemed appropriate for consideration, crossing storm and sanitary sewers and areas serviced by septic systems.

During the 2019 calendar year, the screening concentrated on dry weather flows in areas service by septic systems.

Dry Weather Screening – 69 locations, 17 of which had flow. Documented in Appendix A Of those having flow none of the required parameters to be monitored exceeded the maximum limit thresholds

Wet Weather Screening – No wet weather screening was completed during the 2019 calendar year.

Screening/Monitoring 2020

Dry Weather Screening - Goal Evaluate 75 Outfalls – Complete sampling/testing as required for those locations having dry weather flows – Document Findings – Initiate Follow-up inspections as required.

During the 2020 calendar year no dry weather screening was conducted due to staff and COVID restrictions.

Wet Weather Screening – Goal Evaluate/Test 50 Outfalls – Document Findings - Initiated Follow-up inspections as required - Completed

Screening/Monitoring 2021

Dry Weather Screening - Goal Evaluate 75 Outfalls – Complete sampling/testing as required for those locations having dry weather flows – Document Findings – Initiate Follow-up inspections as required.

During the 2021 calendar year no dry weather screening was conducted due to staff and COVID restrictions.

Wet Weather Screening – Goal Evaluate/Test 50 Outfalls – Document Findings - Initiated Follow-up inspections as required - Completed

Screening/Monitoring 2022

Dry Weather Screening - Goal Evaluate 75 Outfalls – Complete sampling/testing as required for those locations having dry weather flows – Document Findings – Initiate Follow-up inspections as required.

During the 2022 calendar year no dry weather screening was conducted due to staffing issues. Goal for 2023 – a consultant Tighe & Bond has been retained to complete the Dry Weather Screening

Wet Weather Screening – Goal Evaluate/Test 50 Outfalls – Document Findings - Initiated Follow-up inspections as required – Goal Not Achieved

Screening/Monitoring 2023

Dry weather screening and sampling data from outfalls and interconnections - completed

Provide sample data for outfalls where flow is observed. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

RED values indicate exceedance of parameter.

Where entries are not included for parameters at outfalls, the outfall was not flowing at the time of screening.

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
10-01	11/06/2023	-	-	-	-	-	-	-	-	N/A
11-02	11/06/2023	-	-	-	-	-	-	-	-	N/A
11-04	11/06/2023	ND	ND	646	.03	10	ND	60	-	N/A
11-05	11/06/2023	-	-	-	-	-	-	-	-	N/A
11-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
11-08	11/06/2023	-	-	-	-	-	-	-	--	N/A
11-09	11/06/2023	-	-	-	-	-	-	-	--	N/A
11-10	11/06/2023	-	-	-	-	-	-	-	--	N/A
11-11	11/06/2023	-	-	-	-	-	-	-	--	N/A
12-01	11/06/2023	-	-	-	-	-	-	-	--	N/A
12-02	11/06/2023	-	-	-	-	-	-	-	--	N/A
13-01	11/06/2023	-	-	-	-	-	-	-	--	N/A
13-02	11/06/2023	-	-	-	-	-	-	-	-	N/A
13-03	11/06/2023	-	-	-	-	-	-	-	-	N/A
13-04	11/06/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
13-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
13-07	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-01	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-02	11/06/2023	-	-	-	-	-	-	-	--	N/A
14-03	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-04	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-07	11/06/2023	ND	ND	376	.02	8	0.03	58	-	N/A
14-08	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-09	11/06/2023	-	-	-	-	-	-	-	--	N/A
14-10	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-11	11/06/2023	-	-	-	-	-	-	-	-	N/A
14-12	11/06/2023	-	-	-	-	-	-	-	-	N/A
17-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
17-03	11/21/2023	ND	ND	439	.02	**461**	0.06	53	-	N/A
17-04	11/21/2023	-	-	-	-	-	-	-	-	N/A
17-05	10/25/2023	-	-	-	-	-	-	-	-	N/A
17-06	10/25/2023	-	-	-	-	-	-	-	-	N/A
17-07	10/25/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
17-08	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-02	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-03	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-04	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-05	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-06	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-07	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-08	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-09	11/21/2023	ND	ND	499	.02	12	0.03	55	-	N/A
18-10	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-11	10/25/2023	-	-	-	-	-	-	-	-	N/A
18-12	10/25/2023	-	-	-	-	-	-	-	-	N/A
19-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
19-02	11/21/2023	-	-	-	-	-	-	-	-	N/A
19-03	11/21/2023	-	-	-	-	-	-	-	-	N/A
19-05	11/21/2023	-	-	-	-	-	-	-	-	N/A
19-06	11/21/2023	-	-	-	-	-	-	-	-	N/A
19-07	11/21/2023	ND	ND	624	.03	172	0.13	47	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
19-08	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-02	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-03	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-04	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-05	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-06	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-08	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-09	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-11	11/21/2023	-	-	-	-	-	-	-	-	N/A
20-12	11/21/2023	-	-	-	-	-	-	-	-	N/A
21-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
21-02	11/06/2023	ND	ND	338	.02	12	0.04	57	-	N/A
21-04	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-05	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-07	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-09	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-10	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-11	11/06/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
21-12	11/06/2023	-	-	-	-	-	-	-	-	N/A
21-13	11/06/2023	-	-	-	-	-	-	-	-	N/A
23-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
23-02	10/25/2023	-	-	-	-	-	-	-	-	N/A
23-04	10/25/2023	-	-	-	-	-	-	-	-	N/A
23-06	10/25/2023	ND	ND	246	.01	23	0.07	61	-	N/A
23-07	10/25/2023	ND	ND	245	.01	55	0.24	60	-	N/A
23-08	10/25/2023	-	-	-	-	-	-	-	-	N/A
23-09	10/25/2023	-	-	-	-	-	-	-	-	N/A
24-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
24-02	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-04	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-05	11/21/2023	ND	ND	655	.03	29	0.10	43	-	N/A
25-06	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-07	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-10	10/25/2023	-	-	-	-	-	-	-	-	N/A
25-11	11/21/2023	-	-	-	-	-	-	-	-	N/A
25-12	11/21/2023	ND	ND	300	.03	39	0.09	50	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
26-01	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-02	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-03	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-04	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-05	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-07	11/06/2023	-	-	-	-	-	-	-	-	N/A
26-08	11/06/2023	ND	ND	341	.02	17	0.06	60	-	N/A
26-09	11/06/2023	ND	ND	377	.02	70	0.11	45.5	-	N/A
26-10	11/21/2023	-	-	-	-	-	-	-	-	N/A
27-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
29-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
29-02	11/21/2023	-	-	-	-	-	-	-	-	N/A
29-03	11/21/2023	-	-	-	-	-	-	-	-	N/A
30-02	10/24/2023	ND	ND	467	.02	35	ND	64	-	N/A
30-03	10/24/2023	-	-	-	-	-	-	-	-	N/A
30-05	10/24/2023	-	-	-	-	-	-	-	-	N/A
31-01	10/24/2023	-	-	-	-	-	-	-	-	N/A
31-05	10/24/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
32-01	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-02	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-03	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-04	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-05	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-06	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-07	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-08	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-09	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-10	10/24/2023	-	-	-	-	-	-	-	-	N/A
32-11	10/24/2023	-	-	-	-	-	-	-	-	N/A
35-01	10/24/2023	-	-	-	-	-	-	-	-	N/A
38-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
38-04	11/21/2023	-	-	-	-	-	-	-	-	N/A
38-05	11/21/2023	-	-	-	-	-	-	-	-	N/A
38-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
38-08	11/21/2023	-	-	-	-	-	-	-	-	N/A
38-09	11/21/2023	-	-	-	-	-	-	-	-	N/A
38-12	11/21/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
39-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
39-02	11/21/2023	-	-	-	-	-	-	-	-	N/A
39-03	11/21/2023	-	-	-	-	-	-	-	-	N/A
39-04	11/21/2023	-	-	-	-	-	-	-	-	N/A
39-07	11/21/2023	-	-	-	-	-	-	-	-	N/A
39-08	11/21/2023	-	-	-	-	-	-	-	-	N/A
42-03	10/25/2023	ND	ND	251	.01	20	ND	64	-	N/A
42-05	10/25/2023	-	-	-	-	-	-	-	-	N/A
43-02	10/24/2023	ND	ND	364	.02	59	0.05	57	-	N/A
43-03	10/24/2023	ND	ND	352	.02	236	0.14	58	-	N/A
43-04	10/24/2023	ND	ND	499	.03	38	0.13	55	-	N/A
43-05	10/24/2023	ND	ND	556	.03	50	0.18	53	-	N/A
43-06	10/24/2023	ND	ND	556	.03	31	0.03	53	-	N/A
43-07	10/24/2023	ND	ND	338	.03	50	ND	63	-	N/A
43-09	10/24/2023	-	-	-	-	-	-	-	-	N/A
43-10	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-01	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-02	11/21/2023	ND	ND	697	.04	**2,420**	ND	57	-	N/A
45-03	11/06/2023	ND	ND	334	.02	44	0.08	55	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
45-04	11/06/2023	-	-	-	-	-	-	-	-	N/A
45-06	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-07	10/25/2023	ND	ND	879	.04	291	0.07	63	-	N/A
45-08	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-09	10/25/2023	ND	ND	912	.04	488	0.17	63	-	N/A
45-10	10/25/2023	ND	ND	948	.05	488	0.06	63	-	N/A
45-11	11/21/2023	ND	ND	142	.01	3	0.04	48	-	N/A
45-12	11/21/2023	ND	ND	270	.02	34	ND	46	-	N/A
45-13	11/21/2023	-	-	-	-	-	-	-	-	N/A
45-14	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-15	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-16	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-17	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-18	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-19	10/24/2023	-	-	-	-	-	-	-	-	N/A
45-20	10/24/2023	-	-	-	-	-	-	-	-	N/A
49-05	10/25/2023	ND	ND	286	.01	7	0.14	60	-	N/A
49-06	10/24/2023	ND	ND	414	.02	141	0.08	62	-	N/A
49-08	10/24/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
49-09	10/24/2023	-	-	-	-	-	-	-	-	N/A
50-01	10/24/2023	-	-	-	-	-	-	-	-	N/A
50-02	10/24/2023	ND	ND	366	.02	126	0.09	56	-	N/A
50-03	10/24/2023	ND	ND	196	.01	5	ND	59	-	N/A
50-05	10/24/2023	ND	ND	234	.01	1	0.04	64	-	N/A
5-01	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-02	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-03	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-04	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-05	11/06/2023	ND	ND	641	.03	37	ND	60	-	N/A
5-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-07	11/21/2023	ND	ND	483	.03	2	ND	56	-	N/A
5-08	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-09	11/21/2023	-	-	-	-	-	-	-	-	-
5-10	11/06/2023	-	-	-	-	-	-	-	-	N/A
51-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
51-02	10/25/2023	ND	ND	614	.03	114	0.14	64	-	N/A
51-03	10/25/2023	-	-	-	-	-	-	-	-	N/A
51-04	10/25/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
51-05	10/25/2023	-	-	-	-	-	-	-	-	N/A
51-06	11/06/2023	ND	ND	408	.02	22	ND	60	-	N/A
51-07	11/06/2023	-	-	-	-	-	-	-	-	N/A
51-08	11/06/2023	ND	ND	401	.02	13	ND	60	-	N/A
51-09	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-11	11/21/2023	-	-	-	-	-	-	-	-	N/A
51-10	11/06/2023	ND	ND	368	.02	28	0.13	55	-	N/A
51-11	11/06/2023	-	-	-	-	-	-	-	-	N/A
51-12	11/06/2023	-	-	-	-	-	-	-	-	N/A
51-15	11/06/2023	-	-	-	-	-	-	-	-	N/A
51-16	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-12	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-13	11/21/2023	-	-	-	-	-	-	-	-	N/A
5-14	11/21/2023	-	-	-	-	-	-	-	-	N/A
5-15	11/21/2023	-	-	-	-	-	-	-	-	N/A
5-16	11/06/2023	-	-	-	-	-	-	-	-	N/A
5-17	11/21/2023	-	-	-	-	-	-	-	-	N/A
5-18	11/06/2023	-	-	-	-	-	-	-	-	N/A
52-01	11/06/2023	ND	ND	340	.02	1	ND	65	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
52-02	11/06/2023	-	-	-	-	-	-	-	-	N/A
52-04	10/25/2023	ND	ND	336	.02	5	0.06	54	-	N/A
52-06	11/06/2023	-	-	-	-	-	-	-	-	N/A
52-07	10/25/2023	ND	ND	325	.02	46	0.09	63	-	N/A
52-09	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-10	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-11	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-12	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-13	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-14	10/25/2023	-	-	-	-	-	-	-	-	N/A
52-15	10/25/2023	-	-	-	-	-	-	-	-	N/A
55-01	10/25/2023	ND	ND	466	.02	51	ND	63	-	N/A
55-02	10/25/2023	ND	ND	488	.02	50	ND	63	-	N/A
56-01	10/25/2023	ND	ND	344	.02	43	ND	58	-	N/A
56-02	10/25/2023	ND	ND	331	.02	51	0.10	59	-	N/A
56-03	10/25/2023	-	-	-	-	-	-	-	-	N/A
57-01	10/25/2023	ND	ND	354	.02	61	0.09	62	-	N/A
57-04	10/25/2023	-	-	-	-	-	-	-	-	N/A
57-05	10/25/2023	-	-	-	-	-	-	-	-	N/A

Outfall / Interconnection ID	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
57-07	10/25/2023	-	-	-	-	-	-	-	-	N/A
58-01	10/25/2023	-	-	-	-	-	-	-	-	N/A
58-03	10/25/2023	-	-	-	-	-	-	-	-	N/A
58-04	10/25/2023	-	-	-	-	-	-	-	-	N/A
58-05	10/25/2023	-	-	-	-	-	-	-	-	N/A
6-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
6-03	11/21/2023	-	-	-	-	-	-	-	-	N/A
6-04	11/21/2023	-	-	-	-	-	-	-	-	N/A
6-07	11/21/2023	-	-	-	-	-	-	-	-	N/A
7-01	11/21/2023	-	-	-	-	-	-	-	-	N/A
7-02	11/21/2023	-	-	-	-	-	-	-	-	N/A

Impaired Waters Investigation and Monitoring Program

Target Date	Activity	Responsible Department
June 2018 Revised Target Date – June 2019 – Completed August 2020 Yearly Reassessment thereafter	Assessment and Priority Ranking of Catchment Data	Technical Services – Goal for 2019 is to prioritize the outlets by potential risk of illicit discharges – complete August 2020
October 2018 Revised Target Date – June 2019 – Completed October 2019	Initiate Dry Weather Sampling	Technical Services – Goal for 2019 is to complete the initial inspection and screen approximately 50% of the identified dry weather flow locations – Complete October 2020
June 2020 – Revised June 2023	Dry Weather Sampling Complete	Technical Services
June 2023	Wet Weather Sampling Complete (each outlet at least one time)	Technical Services – Goal 2024 – Initiate Wet Weather Screening between March and June – Town retained Tighe & Bond Engineers to perform the task – 50 samples
As Warranted	Confirmatory Outfall Screening	Technical Services
As Warranted	Follow-up Screening	Technical Service

Screening/Monitoring 2020

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
30-05 (P01)	04/03/2020	E. coli	91 col/100ml	EML	No
		Total Phosphorus	0.05 mg/L	EML	No
		Turbidity: Stream	1.28 NTU		No
		Turbidity: Outfall	2.43 NTU		
31-05 (P02)	04/03/2020	E. coli	167 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.76 NTU		No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
		Turbidity: Outfall	7.34 NTU		
25-10 (P03)	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	0.27 NTU		
31-01 (P04)	04/03/2020	E. coli	1 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	18.33 NTU		No
		Turbidity: Outfall	1.27 NTU		
12-01 (P05)	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	3.53 NTU		
12-02 (P06)	04/03/2020	E. coli	2 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.94 NTU		No
		Turbidity: Outfall	0.83 NTU		
12-03 (P07)	04/03/2020	E. coli	4 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.28 NTU		No
		Turbidity: Outfall	3.65 NTU		
7-02 (P08)	04/09/2020	E. coli	50 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	12.50 NTU		No
		Turbidity: Outfall	6.59 NTU		
7-01 (P09)	**04/09/2020**	E. coli	27 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	**2.15 NTU**		**Yes**
		Turbidity: Outfall	**27.90 NTU**		
13-01 (P10)	04/09/2020	E. coli	36 col/100ml	EML	No
		Total Phosphorus	0.06	EML	No
		Turbidity: Stream	1.36 NTU		No
		Turbidity: Outfall	4.05 NTU		

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
7-03 (P-11)	04/09/2020	E. coli	17 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	1.21 NTU		No
		Turbidity: Outfall	0.78 NTU		
38-05 (Q01)	04/24/2020	E. coli	0 col/100 mL	EML	No
		Turbidity: Stream	9.22 NTU		No
		Turbidity: Outfall	0.65 NTU		
38-04 (Q02)	04/24/2020	E. coli	0 col/100 mL	EML	No
		Turbidity: Stream	1.68 NTU		No
		Turbidity: Outfall	0.31 NTU		
45-02 (Q03)	**04/24/2020**	**E. coli**	**1,733 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.18 NTU		No
		Turbidity: Outfall	0.70 NTU		
45-01 (Q04)	04/24/2020	E. coli	36 col/100 mL	EML	No
		Turbidity: Stream	10.58 NTU		No
		Turbidity: Outfall	2.15 NTU		
45-03 (Q05)	04/24/2020	E. coli	118 col/100 mL	EML	No
		Turbidity: Stream	10.17 NTU		No
		Turbidity: Outfall	0.40 NTU		
32-10 (Q06)	**04/30/2020**	**E. coli**	**980 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	5.18 NTU		
32-11 (Q07)	**04/30/2020**	**E. coli**	**613 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.59 NTU		No
		Turbidity: Outfall	2.17 NTU		
52-01 (Q08)	04/30/2020	E. coli	140 col/100 mL	EML	No
		Turbidity: Stream	1.63 NTU		No
		Turbidity: Outfall	2.78 NTU		
45-06 (Q09)	04/30/2020	E. coli	326 col/100 mL	EML	No
		Turbidity: Stream	5.29 NTU		No
		Turbidity: Outfall	1.74 NTU		
38-01 (Q10	**05/07/2020**	E. coli	9 col/100 mL	EML	No
		Total Coliform	**1,046 col/100 mL**		**Yes**

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
		Turbidity: Stream	0.08 NTU		No
		Turbidity: Outfall	2.38 NTU		
Q11 51-15	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	52 col/100mL	EML	No
		Turbidity: Stream	3.09 NTU		No
		Turbidity: Outfall	1.80 NTU		
Q12 51-13/14	03/26/2021	E. coli	9 col/100mL	EML	No
		Total Coliform	**522 col/100mL**	EML	**Yes**
		Turbidity: Stream	5.81		No
		Turbidity: Outfall	2.53		
Q13 51-12	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	64 col/100 mL	EML	No
		Turbidity: Stream	0.82 NTU		No
		Turbidity: Outfall	0.10 NTU		
Q14 51-5	03/26/2021	E. coli	4 col/100 mL	EML	No
		Total Coliform	**870 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	1.55 NTU		
Q16 51-10/11	03/26/2021	E. coli	2 col/100 mL	EML	No
		Total Coliform	124 col/100 mL	EML	No
		Turbidity: Stream	1.86 NTU		No
		Turbidity: Outfall	0.09 NTU		
Q17 57-4	03/26/2021	E. coli	38 col/100 mL	EML	No
		Total Coliform	**582 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.89 NTU		No
		Turbidity: Outfall	1.28 NTU		
Q19 57-1	04/01/2021	E. coli	133 col/100mL	EML	No
		Total Coliform	**2,420 col/100mL**	EML	**Yes**
		Turbidity: Stream	4.07 NTU		No
		Turbidity: Outfall	4.15 NTU		

2020 Follow-up investigations

Provide the following information for outfalls exceeding the pollutant threshold.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
45-02	Trumbull Park Rear Discharge – E. Coli -Probable cause pet waste	Signage and Pet Waste baggies
32-10	Woodford Avenue Crossing Quinnipiac River upstream – E. Coli – Cause unknown – checked sanitary sewer system – no evidence of pet waste – large population of geese upstream	
32-11	Woodford Avenue Crossing Quinnipiac downstream – E. Coli – cause unknown – checked sanitary sewer system – no evidence of pet waste – large population of geese upstream	
38-01	Milford Street discharge to Quinnipiac River – Total Coliform	Cleaned catch basins and swept
7-01	Northwest Drive discharge to Pequabuck River – Turbidity -	Cleaned catch basins and swept street – Checked for erosion none found
51-13/14	Stillwell Drive – Bridge - Total Coliform – Cause Unknown	
51-5	Carol Drive – Total Coliform	
57-4	Mountainview Drive – Total Coliform	
57-1	Cianci Avenue – Total Coliform	

Part II: Impaired waters investigation and monitoring 2020/2021/2022

1. Impaired waters investigation and monitoring program

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: http://s.uconn.edu/ctms4map.

Nitrogen/ Phosphorus ☒ E. coli ☐ Mercury ☐ Other Pollutant of Concern ☒

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

2.1 Screening data collected under 2017 permit

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
P01	04/03/2020	E. coli	91 col/100ml	EML	No
		Total Phosphorus	0.05 mg/L	EML	No
		Turbidity: Stream	1.28 NTU		No
		Turbidity: Outfall	2.43 NTU		
P02	04/03/2020	E. coli	167 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.76 NTU		No
		Turbidity: Outfall	7.34 NTU		
P03	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	0.27 NTU		
P04	04/03/2020	E. coli	1 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	18.33 NTU		No
		Turbidity: Outfall	1.27 NTU		
P05	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	3.53 NTU		
P06	04/03/2020	E. coli	2 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.94 NTU		No
		Turbidity: Outfall	0.83 NTU		
P07	04/03/2020	E. coli	4 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.28 NTU		No
		Turbidity: Outfall	3.65 NTU		
P08	04/09/2020	E. coli	50 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	12.50 NTU		No
		Turbidity: Outfall	6.59 NTU		
P09	**04/09/2020**	E. coli	27 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
		Turbidity: Stream	**2.15 NTU**		**Yes**
		Turbidity: Outfall	**27.90 NTU**		
P10	04/09/2020	E. coli	36 col/100ml	EML	No
		Total Phosphorus	0.06	EML	No
		Turbidity: Stream	1.36 NTU		No
		Turbidity: Outfall	4.05 NTU		
P11	04/09/2020	E. coli	17 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	1.21 NTU		No
		Turbidity: Outfall	0.78 NTU		
P-13	**09/01/2021**	**E. coli**	**1,533 col / 100 mL**	**EML**	
		Total Coliform	**3,466 col / 100 mL**	**EML**	
		Turbidity: Stream	3.57 NTU		
		Turbidity: Outfall	3.65 NTU		
Q01	04/24/2020	E. coli	0 col/100 mL	EML	No
		Turbidity: Stream	9.22 NTU		No
		Turbidity: Outfall	0.65 NTU		
Q02	04/24/2020	E. coli	0 col/100 mL	EML	No
		Total Coliform	0 col/100 mL	EML	No
		Turbidity: Stream	1.68 NTU		No
		Turbidity: Outfall	0.31 NTU		
Q03	**04/24/2020**	**E. coli**	**1,733 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.18 NTU		No
		Turbidity: Outfall	0.70 NTU		
Q04	04/24/2020	E. coli	36 col/100 mL	EML	No
		Turbidity: Stream	10.58 NTU		No
		Turbidity: Outfall	2.15 NTU		
Q05	04/24/2020	E. coli	118 col/100 mL	EML	No
		Turbidity: Stream	10.17 NTU		No
		Turbidity: Outfall	0.40 NTU		
Q06	**04/30/2020**	**E. coli**	**980 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	5.18 NTU		
Q07	**04/30/2020**	**E. coli**	**613 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.59 NTU		No
		Turbidity: Outfall	2.17 NTU		
Q08	04/30/2020	E. coli	140 col/100 mL	EML	No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
		Turbidity: Stream	1.63 NTU		No
		Turbidity: Outfall	2.78 NTU		
Q09	04/30/2020	E. coli	326 col/100 mL	EML	No
		Turbidity: Stream	5.29 NTU		No
		Turbidity: Outfall	1.74 NTU		
Q10	**05/07/2020**	E. coli	9 col/100 mL	EML	No
		Total Coliform	**1,046 col/100 mL**		**Yes**
		Turbidity: Stream	0.08 NTU		No
		Turbidity: Outfall	2.38 NTU		
Q11	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	52 col/100mL	EML	No
		Turbidity: Stream	3.09 NTU		No
		Turbidity: Outfall	1.80 NTU		
Q12	03/26/2021	E. coli	9 col/100mL	EML	No
		Total Coliform	**522 col/100mL**	EML	**Yes**
		Turbidity: Stream	5.81		No
		Turbidity: Outfall	2.53		
Q13	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	64 col/100 mL	EML	No
		Turbidity: Stream	0.82 NTU		No
		Turbidity: Outfall	0.10 NTU		
Q14	03/26/2021	E. coli	4 col/100 mL	EML	No
		Total Coliform	**870 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	1.55 NTU		
Q16	03/26/2021	E. coli	2 col/100 mL	EML	No
		Total Coliform	124 col/100 mL	EML	No
		Turbidity: Stream	1.86 NTU		No
		Turbidity: Outfall	0.09 NTU		
Q17	03/26/2021	E. coli	38 col/100 mL	EML	No
		Total Coliform	**582 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.89 NTU		No
		Turbidity: Outfall	1.28 NTU		
Q19	04/01/2021	E. coli	133 col/100mL	EML	No
		Total Coliform	**2,420 col/100mL**	EML	**Yes**
		Turbidity: Stream	4.07 NTU		No
		Turbidity: Outfall	4.15 NTU		

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, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?

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
P-13	Town retained consultant to begin trackback of outfall in wet weather. There is little development in the area, and the disparity between E. coli and coliform counts, and failure to detect ammonia or chlorine in March 2022 rules out sanitary sewer input. The source is likely to be natural, but additional confirmatory testing is required.	TBD
Q-03	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near high school athletic fields. E. coli counts have been below threshold in 2021 and 2022. No presence of ammonia or chlorine was detected in March 2022. The suspected cause is from failure to pick up after walking pets and/or waterfowl activity. Additional confirmatory testing is required.	TBD
Q-06	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near apartments. 2022 sampling did not reveal presence of ammonia or chlorine, therefore sanitary sewer inputs are ruled out. Cause could be failure to pick up after walking pets, or inadvertent non-stormwater discharge related to on-site	TBD

	activities (i.e. leaking dumpster). Additional confirmatory testing is required.	
Q-09	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near apartments. No discharge was observed during March 2022 rainfall event. Additional confirmatory testing is required.	TBD
Q-10	Town retained consultant to begin trackback of outfall in wet weather. Discharge is located at end of Milford Street. 2022 sampling did not reveal presence of ammonia or chlorine, therefore sanitary sewer inputs are ruled out. Cause could be failure to pick up after walking pets from nearby trail. Additional confirmatory testing is required.	TBD

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

Outfall	Sample Date	Parameter(s)	Results	Trend from Previous Year	Name of Laboratory (if used)
P-13	09/01/2021	**E. coli**	**1,533 col / 100 mL**		EML
		Total Coliform	**3,466 col / 100 mL**		EML
		Turbidity: Stream	3.57 NTU		
		Turbidity: Outfall	3.65 NTU		
	03/24/2022	E. coli	6 col / 100 mL	↓	EML
		Total Coliform	**2,420 col / 100 mL**	↓	EML
		Turbidity: Stream	2.91 NTU	↓	
		Turbidity: Outfall	3.03 NTU	↓	
Q-03	04/01/2021	E. coli	4 col / 100 mL		EML
		Total Coliform	326 col / 100mL		EML
		Turbidity: Stream	0.25 NTU		
		Turbidity: Outfall	0.25 NTU		
	03/24/2022	**E. coli**	23 col / 100 mL	↑	EML
		Total Coliform	**1,986 col / 100 mL**	↑	EML
		Turbidity: Stream	3.87 NTU	↑	
		Turbidity: Outfall	3.09 NTU	↑	
Q-06	09/01/2021	**E. coli**	**980 col/100 mL**		EML
		Total Coliform	**4,840 col/100 mL**		EML
		Turbidity: Stream	3.04 NTU		
		Turbidity: Outfall	5.18 NTU		
	03/24/2022	**E. coli**	101 col/100 mL	↓	EML
		Total Coliform	**1,553 col/100 mL**	↓	EML
		Turbidity: Stream	3.01 NTU	↓	

		Turbidity: Outfall	4.44 NTU	↓	
Q-07	09/01/2021	**E. coli**	**613 col/100 mL**		EML
		Total Coliform	**2,022 col/100mL**		EML
		Turbidity: Stream	2.59 NTU		
		Turbidity: Outfall	2.17 NTU		
	03/24/2022	**E. coli**	Not flowing	N/A	
		Total Coliform	Not flowing	N/A	
		Turbidity: Stream	2.58 NTU	↓	
		Turbidity: Outfall	Not flowing	N/A	
Q-09	04/01/2021	E. coli	20 col / 100 mL		EML
		Total Coliform	**1,986 col / 100mL**		EML
		Turbidity: Stream	3.25 NTU		
		Turbidity: Outfall	1.25 NTU		
	03/24/2022	**E. coli**	Not flowing	N/A	
		Total Coliform	Not flowing	N/A	
		Turbidity: Stream	2.98 NTU	↓	
		Turbidity: Outfall	Not flowing	N/A	
Q-10	05/07/2020	E. coli	9 col/100 mL		EML
		Total Coliform	**2,828 col/100 mL**		EML
		Turbidity: Stream	0.08 NTU		
		Turbidity: Outfall	2.38 NTU		
	03/24/2022	E. coli	387 col/100 mL	↑	EML
		Total Coliform	**1,413 col/100 mL**	↓	EML
		Turbidity: Stream	1.41 NTU	↑	
		Turbidity: Outfall	2.03 NTU	↓	

Part II: Impaired waters investigation and monitoring 2022

2. Impaired waters investigation and monitoring program

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution. This data is available on the MS4 map viewer: http://s.uconn.edu/ctms4map.

Nitrogen/ Phosphorus ☒ E. coli ☐ Mercury ☐ Other Pollutant of Concern ☒

1.2 Describe program status.

Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.

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

2.1 Screening data collected under 2017 permit

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
P01	04/03/2020	E. coli	91 col/100ml	EML	No
		Total Phosphorus	0.05 mg/L	EML	No
		Turbidity: Stream	1.28 NTU		No
		Turbidity: Outfall	2.43 NTU		
P02	04/03/2020	E. coli	167 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.76 NTU		No
		Turbidity: Outfall	7.34 NTU		
P03	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	0.27 NTU		
P04	04/03/2020	E. coli	1 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	18.33 NTU		No
		Turbidity: Outfall	1.27 NTU		
P05	04/03/2020	E. coli	0 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
		Turbidity: Stream	0.27 NTU		No
		Turbidity: Outfall	3.53 NTU		
P06	04/03/2020	E. coli	2 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	0.94 NTU		No
		Turbidity: Outfall	0.83 NTU		
P07	04/03/2020	E. coli	4 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	5.28 NTU		No
		Turbidity: Outfall	3.65 NTU		
P08	04/09/2020	E. coli	50 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	12.50 NTU		No
		Turbidity: Outfall	6.59 NTU		
P09	**04/09/2020**	E. coli	27 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	**2.15 NTU**		**Yes**
		Turbidity: Outfall	**27.90 NTU**		
P10	04/09/2020	E. coli	36 col/100ml	EML	No
		Total Phosphorus	0.06	EML	No
		Turbidity: Stream	1.36 NTU		No
		Turbidity: Outfall	4.05 NTU		
P11	04/09/2020	E. coli	17 col/100ml	EML	No
		Total Phosphorus	ND < 0.05	EML	No
		Turbidity: Stream	1.21 NTU		No
		Turbidity: Outfall	0.78 NTU		
P-13	**09/01/2021**	**E. coli**	**1,533 col / 100 mL**	**EML**	
		Total Coliform	**3,466 col / 100 mL**	**EML**	
		Turbidity: Stream	3.57 NTU		
		Turbidity: Outfall	3.65 NTU		
Q01	04/24/2020	E. coli	0 col/100 mL	EML	No
		Turbidity: Stream	9.22 NTU		No
		Turbidity: Outfall	0.65 NTU		
Q02	04/24/2020	E. coli	0 col/100 mL	EML	No
		Total Coliform	0 col/100 mL	EML	No
		Turbidity: Stream	1.68 NTU		No
		Turbidity: Outfall	0.31 NTU		

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
Q03	**04/24/2020**	**E. coli**	**1,733 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.18 NTU		No
		Turbidity: Outfall	0.70 NTU		
Q04	04/24/2020	E. coli	36 col/100 mL	EML	No
		Turbidity: Stream	10.58 NTU		No
		Turbidity: Outfall	2.15 NTU		
Q05	04/24/2020	E. coli	118 col/100 mL	EML	No
		Turbidity: Stream	10.17 NTU		No
		Turbidity: Outfall	0.40 NTU		
Q06	**04/30/2020**	**E. coli**	**980 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	5.18 NTU		
Q07	**04/30/2020**	**E. coli**	**613 col/100 mL**	**EML**	**Yes**
		Turbidity: Stream	2.59 NTU		No
		Turbidity: Outfall	2.17 NTU		
Q08	04/30/2020	E. coli	140 col/100 mL	EML	No
		Turbidity: Stream	1.63 NTU		No
		Turbidity: Outfall	2.78 NTU		
Q09	04/30/2020	E. coli	326 col/100 mL	EML	No
		Turbidity: Stream	5.29 NTU		No
		Turbidity: Outfall	1.74 NTU		
Q10	**05/07/2020**	E. coli	9 col/100 mL	EML	No
		Total Coliform	**1,046 col/100 mL**		**Yes**
		Turbidity: Stream	0.08 NTU		No
		Turbidity: Outfall	2.38 NTU		
Q11	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	52 col/100mL	EML	No
		Turbidity: Stream	3.09 NTU		No
		Turbidity: Outfall	1.80 NTU		
Q12	03/26/2021	E. coli	9 col/100mL	EML	No
		Total Coliform	**522 col/100mL**	EML	**Yes**
		Turbidity: Stream	5.81		No
		Turbidity: Outfall	2.53		
Q13	03/26/2021	E. coli	0 col/100 mL	EML	No
		Total Coliform	64 col/100 mL	EML	No
		Turbidity: Stream	0.82 NTU		No
		Turbidity: Outfall	0.10 NTU		

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
Q14	03/26/2021	E. coli	4 col/100 mL	EML	No
		Total Coliform	**870 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.04 NTU		No
		Turbidity: Outfall	1.55 NTU		
Q16	03/26/2021	E. coli	2 col/100 mL	EML	No
		Total Coliform	124 col/100 mL	EML	No
		Turbidity: Stream	1.86 NTU		No
		Turbidity: Outfall	0.09 NTU		
Q17	03/26/2021	E. coli	38 col/100 mL	EML	No
		Total Coliform	**582 col/100 mL**	EML	**Yes**
		Turbidity: Stream	3.89 NTU		No
		Turbidity: Outfall	1.28 NTU		
Q19	04/01/2021	E. coli	133 col/100mL	EML	No
		Total Coliform	**2,420 col/100mL**	EML	**Yes**
		Turbidity: Stream	4.07 NTU		No
		Turbidity: Outfall	4.15 NTU		

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, E. coli, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?

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
P-13	Town retained consultant to begin trackback of outfall in wet weather. There is little development in the area, and the disparity between E. coli and coliform counts, and failure to detect ammonia or chlorine in March 2022 rules out sanitary sewer input. The source is likely to be natural, but additional confirmatory testing is required.	TBD
Q-03	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near high school athletic fields. E. coli counts have been below threshold in 2021 and 2022. No presence of ammonia or chlorine was detected in March 2022. The suspected cause is from failure to pick up after walking pets and/or waterfowl activity. Additional confirmatory testing is required.	TBD
Q-06	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near apartments. 2022 sampling did not reveal presence of ammonia or chlorine, therefore sanitary sewer inputs are ruled out. Cause could be failure to pick up after walking pets, or inadvertent non-stormwater discharge related to on-site activities (i.e. leaking dumpster). Additional confirmatory testing is required.	TBD
Q-09	Town retained consultant to begin trackback of outfall in wet weather. Outfall is located near apartments. No discharge was observed during March 2022 rainfall event. Additional confirmatory testing is required.	TBD
Q-10	Town retained consultant to begin trackback of outfall in wet weather. Discharge is located at the end of Milford Street. 2022 sampling did not reveal presence of ammonia or chlorine, therefore sanitary sewer inputs are ruled out. Cause could be failure to pick up after walking pets from nearby trail. Additional confirmatory testing is required.	TBD

4. Prioritized outfall monitoring (Section 6(i)(1)(D) / page 43)

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

Outfall	Sample Date	Parameter(s)	Results	Trend from Previous Year	Name of Laboratory (if used)
P-13	09/01/2021	**E. coli**	**1,533 col / 100 mL**		EML
		Total Coliform	**3,466 col / 100 mL**		EML
		Turbidity: Stream	3.57 NTU		
		Turbidity: Outfall	3.65 NTU		

	03/24/2022	E. coli	6 col / 100 mL	↓	EML
		Total Coliform	**2,420 col / 100 mL**	↓	EML
		Turbidity: Stream	2.91 NTU	↓	
		Turbidity: Outfall	3.03 NTU	↓	
Q-03	04/01/2021	E. coli	4 col / 100 mL		EML
		Total Coliform	326 col / 100mL		EML
		Turbidity: Stream	0.25 NTU		
		Turbidity: Outfall	0.25 NTU		
	03/24/2022	**E. coli**	23 col / 100 mL	↑	EML
		Total Coliform	**1,986 col / 100 mL**	↑	EML
		Turbidity: Stream	3.87 NTU	↑	
		Turbidity: Outfall	3.09 NTU	↑	
Q-06	09/01/2021	**E. coli**	**980 col/100 mL**		EML
		Total Coliform	**4,840 col/100 mL**		EML
		Turbidity: Stream	3.04 NTU		
		Turbidity: Outfall	5.18 NTU		
	03/24/2022	**E. coli**	101 col/100 mL	↓	EML
		Total Coliform	**1,553 col/100 mL**	↓	EML
		Turbidity: Stream	3.01 NTU	↓	
		Turbidity: Outfall	4.44 NTU	↓	
Q-07	09/01/2021	**E. coli**	**613 col/100 mL**		EML
		Total Coliform	**2,022 col/100mL**		EML
		Turbidity: Stream	2.59 NTU		
		Turbidity: Outfall	2.17 NTU		
	03/24/2022	**E. coli**	Not flowing	N/A	
		Total Coliform	Not flowing	N/A	
		Turbidity: Stream	2.58 NTU	↓	
		Turbidity: Outfall	Not flowing	N/A	
Q-09	04/01/2021	E. coli	20 col / 100 mL		EML
		Total Coliform	**1,986 col / 100mL**		EML
		Turbidity: Stream	3.25 NTU		
		Turbidity: Outfall	1.25 NTU		
	03/24/2022	**E. coli**	Not flowing	N/A	
		Total Coliform	Not flowing	N/A	
		Turbidity: Stream	2.98 NTU	↓	
		Turbidity: Outfall	Not flowing	N/A	
Q-10	05/07/2020	E. coli	9 col/100 mL		EML
		Total Coliform	**2,828 col/100 mL**		EML
		Turbidity: Stream	0.08 NTU		
		Turbidity: Outfall	2.38 NTU		
	03/24/2022	E. coli	387 col/100 mL	↑	EML
		Total Coliform	**1,413 col/100 mL**	↓	EML
		Turbidity: Stream	1.41 NTU	↑	
		Turbidity: Outfall	2.03 NTU	↓	

Certification

I have personally examined and am familiar with the information submitted in this document and all the 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 statue.

Respectively Submitted By:

Michael Paulhus
Town Manager
April 1, 2024

John R. Bossi
Director of Technical Services
April 1, 2024

APPENDIX A

APPENDIX A

DRY WEATHER SCREENING (Revised January 10, 2022)

Catchment ID	Location	Outlet Type	System Vulnerability Factors: Dry Screening Necessary	Discharge Directly to Impaired Waters	Within Septic Service Area	Sewer/ Drainage	Dry Weather Flow	Dry Weather No Flow	PH	Conductivity	Salinity	Temperature	TDS	Ammonia	Chlorine	Surfactants	E. Coli
										µS/cm	ppt	°F		≥ 0.5 mg/L	Any	≥ 0.5 mg/L	410 col/mL
5-01	Fleetwood Drive	Street Outfall HW	✓				✓		7.10	1315	0.66	62.0	652	0.00	0.00	Not Detected	387
5-02	Farmhill Drive	Street Outfall Pipe	✓														
5-03	Farmhill Drive	Street Outfall Pipe	✓														
5-04	Farmhill Drive	Watercourse Inlet															
5-05	Farmhill Drive	Watercourse Outlet															
5-06	Shepard Lane	Street Outfall FE	✓		✓			✓									
5-07	Northwest Drive	Street Outfall FE	✓		✓			✓									
5-08	Northwest Drive	Street Outfall FE	✓		✓		✓		6.14	381	0.19	53.4		0.00	0.00	< 0.100	< 50
5-09	Northwest Drive	Watercourse Inlet			✓												
5-10	Northwest Drive	Watercourse Inlet			✓												
5-11	Spring Lane	Watercourse Inlet			✓												
5-12	Spring Lane	Watercourse Outlet			✓												
5-13	Spring Lane	Watercourse Outlet			✓												
5-14	Spring Lane	Watercourse Inlet			✓												
5-15	Spring Lane	Street Outfall FE	✓		✓			✓									
5-16	Maxine Road	Watercourse Inlet															
5-17	Spring Lane	Watercourse Inlet			✓												

5-18	Maxine Road	Street Outfall HW	✓					✓								
6-01	Northwest Drive	Street Outfall FE	✓		✓			✓								
6-02	Northwest Drive	Remove from inventory			✓											
6-03	Northwest Drive	Street Outfall FE	✓		✓											
6-04	Northwest Drive	Street Inlet HW			✓											
6-05	Northwest Drive	Street Outfall FE	✓		✓		✓		7.04	583	0.30	57.2		0.00	0.00	< 0.100	< 50
6-06	Northwest Drive	Watercourse Outlet			✓												
6-07	Northwest Drive	Street Inlet Leak off			✓												
6-08	Northwest Drive	Street Outfall FE	✓		✓		✓		7.40	894	0.45	57.0	636	0.00	0.00	< 0.100	< 50
7-01	Northwest Drive	Street Outfall FE	✓	✓	✓			✓									
7-02	Farmington Avenue	Street Outfall HW	✓	✓	✓												
7-03	Northwest Drive	Street Outfall FE	✓	✓	✓			✓									
10-01	Hilltop Road	Street Outfall HW	✓														
11-01	Northwest Drive	Street Outfall Pipe	✓				✓		7.42	575	0.29	54.9	411	0.00	0.00	< 0.100	< 50
11-02	Northwest Drive	Watercourse Inlet															
11-03	Northwest Drive	Street Outfall HW	✓														
11-04	Northwest Drive	Watercourse Inlet															
11-05	Northwest Drive	Watercourse Outlet															
11-06	Northwest Drive	Street Inlet FE			✓												
11-07	Northwest Drive	Street Outfall FE	✓		✓			✓									
11-08	Northwest Drive	Watercourse Inlet			✓												
11-09	Northwest Drive	Watercourse Outlet			✓												
11-10	Northwest Drive	Street Outfall HW			✓			✓									
11-11	Northwest Drive	Watercourse Inlet			✓			✓									
11-12	Northwest Drive	Street Outfall FE	✓		✓												
12-01	Northwest Drive	Street Outfall FE	✓	✓			✓		7.25	807	0.41	52.0	580	0.00	0.00	< 0.100	< 50

12-02	Northwest Drive	Street Outfall FE	✓	✓			✓		7.40	1088	0.55	52.2	775	0.25	0.00	< 0.100	< 50
12-03	Northwest Drive	Street Outfall FE	✓	✓													
13-01	Northwest Drive	Street Outfall FE	✓	✓	1			✓									
13-02	Woodside Lane	Street Outfall Pipe	✓	✓			✓		7.14	561	0.28	57.9		0.00	0.00	Not Detected	60
13-03	Woodside Lane	Watercourse Inlet															
13-04	Cooke Street	Street Outfall FE	✓														
13-05	Northwest Drive	Remove from inventory															
13-06	Mel Road	Watercourse Inlet															
13-07	Mel Road	Watercourse Inlet															
14-01	Fawn Drive	Street Outfall FE	✓														
14-02	Fawn Drive	Watercourse Inlet															
14-03	Pinnacle Road	Street Outfall FE	✓					✓									
14-04	Pinnacle Road	Street Outfall FE	✓		✓			✓									
14-05	Weatherstone Ridge Rd.	Remove from inventory															
14-06	Metacomet Road	Street Outfall FE	✓														
14-07	Metacomet Road	Watercourse Outlet															
14-08	Metacomet Road	Watercourse Inlet															
14-09	Metacomet Road	Street Outfall FE	✓														
14-10	Metacomet Road	Street Outfall FE	✓					✓									
14-11	Metacomet Road	Street Outfall FE	✓					✓									
14-12	Metacomet Road	Street Outfall FE	✓					✓									
17-01	Northwest Drive	Watercourse Inlet HW															
17-02	Northwest Drive	Watercourse Inlet FE															
17-03	Northwest Drive	Watercourse Outlet Pipe	✓														
17-04	Northwest Drive	Watercourse Inlet FE															
17-05	Northwest Drive	Street Outfall HW	✓														

17-06	Northwest Drive	Watercourse Inlet HW													
17-07	Northwest Drive	Watercourse Outlet HW													
17-08	Tyler Farms Road	Street Outfall FE	✓			✓		6.63	841	0.42	56.7	599	0.00	0.00	< 0.100	200
18-01	Tyler Farms Road	Street Outfall FE	✓													
18-02	Tommaso Nature Park	Street Outfall FE	✓													
18-03	Tommaso Nature Park	Watercourse Outlet FE (2)														
18-04	Tommaso Nature Park	Street Outfall FE	✓													
18-05	Granger Lane	Street Outfall FE	✓				✓									
18-06	Granger Lane	Watercourse Inlet Pipe (3)			✓											
18-07	Granger Lane	Watercourse Outlet Pipe (3)			✓											
18-08	Granger Lane	Watercourse Inlet Pipe			✓											
18-09	Granger Lane	Watercourse Outlet Pipe			✓											
18-10	Don Street	Street Outfall HW	✓		✓	✓		6.85	470	0.24	49.1	336	0.00	0.00	< 0.100	50
18-11	Tommaso Nature Park	Street Outfall FE	✓		✓											
18-12	Tommaso Nature Park	Watercourse Inlet FE (2)			✓											
19-01	Cronk Road WPC	Street Outfall Pipe	✓	✓	✓											
19-02	Cronk Road WPC	Street Outfall HW	✓	✓	✓											
19-03	Cronk Road WPC	Street Outfall HW	✓	✓	✓											
19-04	Maiden Lane	Street Outfall Pipe	✓		✓		✓									
19-05	Cleveland St. Ext.	Street Outfall HW	✓	✓			✓									
19-06	Maiden Lane Berm	Watercourse Inlet Pipe														
19-07	Maiden Lane Berm	Watercourse Outlet Pipe														
19-08	Cronk Road WPC	Street Outfall Pipe	✓	✓	✓											
20-01	West Pine Way	Street Outfall FE	✓				✓									
20-02	Cleveland Mem. Dr.	Converted to a MH														
20-03	Cooke Street	Street Outfall FE	✓				✓									
20-04	Plum Tree Road	Street Outfall HW	✓				✓									

20-05	Plum Tree Road	Street Outfall HW	✓												
20-06	Cooke Street	Street Outfall Pipe	✓				✓								
20-07	Cooke Street	Watercourse Inlet													
20-08	Ivy Road	Street Inlet FE													
20-09	Ivy Road	Street Outfall HW	✓												
20-10	Ivy Road	Street Outfall	✓												
20-11	Grant Avenue	Watercourse Inlet Pipe													
20-12	Cooke Street	Street Outfall FE	✓				✓								
21-01	Ivy Road	Street Outfall HW	✓												
21-02	Ivy Road	Street Inlet HW													
21-03	Sachem Road	Street Outfall Pipe	✓												
21-04	Pinnacle Road	Street Outfall HW	✓												
21-05	Sachem Road	Street Outfall FE	✓			✓		7.5	6	672	0.33	59.0	478	0.00	0.00	< 0.100	< 50
21-06	Sachem Road	Street Outfall Pipe	✓														
21-07	Sachem Road	Street Outfall FE	✓														
21-08	Sachem Road	Street Outfall FE	✓														
21-09	Metacomet Road	Street Outfall FE	✓														
21-10	Metacomet Road	Street Outfall FE	✓				✓										
21-11	Metacomet Road	Street Outfall FE	✓														
21-12	Pequot Road	Street Inlet FE															
21-13	Pequot Road	Street Inlet FE															
21-14	Pequot Road	Street Inlet FE															
23-01	Camp Street	Street Inlet FE			✓												
23-02	Camp Street	Street Outlet FE	✓		✓		✓										
23-03	Camp Street	Street Inlet FE			✓												
23-04	Camp Street	Converted to MH			✓												
23-05	Camp Street	Converted to MH			✓												
23-06	Camp Street	Watercourse Inlet Pipe (2)															

23-07	Camp Street	Watercourse Outlet Pipe (2)															
23-08	Camp Street	Street Outlet Pipe	✓					✓									
23-09	Great Plain Drive	Street Outlet FE	✓				✓		7.0 8	335	0.17	49.3	239	0.00	0.00	< 0.100	490
23-10	Camp Street	Converted to a CB															
23-11	Camp Street	Street Outlet Pipe	✓														
24-01	Cody Avenue	Street Outlet Pipe															
24-02	Cody Avenue	Street Inlet Pipe	✓														
25-01	Cleveland Street	Street Outlet Pipe	✓	✓				✓									
25-02	Robert Street	Watercourse Outlet Pipe			✓												
25-03	Robert Street	Watercourse Inlet Pipe			✓												
25-04	Robert Street Ext.	Watercourse Outlet HW			✓												
25-05	Robert Street Ext.	Watercourse Inlet HW			✓												
25-06	Robert Street Ext.	Street Outlet FE	✓		✓												
25-07	Robert Street Ext.	Street Outlet FE	✓		✓												
25-08	Cronk Road	Street Inlet FE			✓												
25-09	Cronk Road	Street Outlet FE	✓		✓												
25-10	Cronk Road	Converted to CB			✓												
25-11	Cronk Road	Street Outlet FE	✓		✓												
25-12	Robert Street	Street Outlet Pipe	✓		✓												
26-01	Cooke Street	Watercourse Inlet Pipes															
26-02	Cooke Street	Watercourse Outlet Pipes															
26-03	Cooke Street	Watercourse Inlet Pipes															
26-04	Cooke Street	Watercourse Outlet Pipes															
26-05	Cooke Street	Watercourse Inlet Pipes															
26-06	Cooke Street	Watercourse Outlet HW															
26-07	Cooke Street	Street Outlet Pipe	✓														
26-08	Cooke Street	Street Inlet HW															
26-09	New Britain Avenue	Street Outlet HW	✓														

26-10	New Britain Avenue	Street Outlet HW	✓													
26-11	New Britain Avenue	Street Outlet WW	✓													
26-12	Cooke Street Rear	Street Inlet Pipe														
26-13	New Britain Avenue	Street Inlet Twin Pipes														
26-14	Sunrise Terrace	Street Outlet FE	✓													
26-15	Sunrise Terrace	Street Outlet FE	✓													
26-16	Cooke Street	Street Outlet Pipe	✓													
27-01	Cree Circle	Street Outlet Pipe	✓													
29-01	Hughes Street	Street Outlet Pipe	✓													
29-02	Wilson Street	Street Outlet HW	✓													
29-03	Forestville Avenue	Street Inlet HW														
30-01	Camp Street	Street Outlet	✓				✓									
30-02	Forestville Avenue	Street Outlet HW	✓	✓				✓	7.3 2	459	0.23	52.3	326	0.00	0.00	< 0.100	< 50
30-03	McKernan Drive	Street Outlet HW	✓	✓			✓									
30-04	West Main Street	Street Outlet FE	✓				✓									
30-05	West Main Street	Street Outlet Pipe	✓	✓												
31-01	Neal Court Rear	Outlet Pipe	✓													
31-02	Norton Place	Outlet Pipe	✓													
31-03	Farmington Avenue	Private Outlet FE	✓													
31-04	West Main Street	State/Town Outlet Pipe	✓	✓												
31-05	West Main Street	Municipal Outlet FE	✓	✓												
32-01	New Britain Avenue	Quail Hollow Outlet Pipe	✓													
32-02	New Britain Avenue	State/Town Outlet Pipe	✓													
32-03	Colonial Court	Street Outlet HW	✓													
32-04	Sparks Street	Watercourse Inlet Pipe (2)														
32-05	Woodford Avenue	Watercourse Outlet Pipe (2)														
32-06	Sparks Street	Private Inlet pipe			✓											
32-07	Colonial Court	Watercourse Inlet Pipe (2)														

32-08	Sparks Street	Street Outlet Pipe	✓			✓
32-09	Woodford Avenue	State/Town Outlet Pipe	✓	✓		
32-10	Woodford Avenue	Watercourse Inlet Pipe (2)				
32-11	Woodford Avenue	Watercourse Outlet Pipe (2)				
34-01	Journey Road	Street Inlet FE				
34-02	Journey Road	Street Outlet Pipe/HW	✓			
35-01	Bohemia Street	Street Outlet Pipe	✓			
38-01	Milford Street	Street Outlet WW	✓	✓		
38-02	Milford Street Ext.	Street Outlet FE	✓	✓		
38-03	Locust Street	Street Outlet Pipe	✓	✓		
38-04	Locust Street	Street Outlet FE	✓	✓		
38-05	Woodford Avenue	Street Outlet FE	✓	✓		
38-06	Woodford Avenue	Street Inlet FE				
38-07	Woodford Avenue	Street Outlet Pipe	✓			
38-08	White Oak Avenue	Street Inlet HW				
38-09	Westwood Avenue	Street Outlet Pipe	✓			
38-10	Ledge Road	Converted to CB				
38-11	Ledge Road	Converted to CB				
38-12	Ledge Road	Street Outfall HW	✓			
38-13	Woodford Avenue	State/Town Outfall HW	✓			✓
38-14	Ledge Road	Street Outfall HW	✓			
38-15	Ledge Road	Street Inlet HW				
39-01	White Oak Avenue	Converted to CB	✓			
39-02	Westwood Avenue	Private Inlet Structure				
39-03	Linda Drive	Det. Pond Inlet Structure				
39-04	Kristine Lane	Street Outlet FE	✓			
39-05	Kristine Lane	Street Outlet FE	✓			
39-06	Westwood Avenue	Converted to CB				

39-07	Kristine Lane	Inlet Structure													
39-08	Kristine Lane	Inlet Structure													
40-01	Journey Road	Street Outlet FE	✓				✓								
40-02	Journey Road	Street Outlet FE	✓												
40-03	Journey Road	Inlet CB													
40-04	Journey Road	Street Outlet FE	✓				✓								
40-05	Journey Road	Street Outlet HW	✓												
40-06	Woodford Avenue	Street Outlet FE	✓			✓		7.45	459	0.23	51.1	326	0.00	0.00	< 0.100	< 50
40-07	Woodford Avenue	Street Inlet HW													
40-08	Woodford Avenue	Street Outfall HW	✓				✓								
42-01	Red Stone Hill	Street Outlet Pipe	✓		✓		✓								
42-02	Red Stone Hill	Converted to CB			✓										
42-03	Red Stone Hill	Street Outlet HW	✓		✓		✓								
42-04	Red Stone Hill	Street Outlet Pipe	✓		✓										
42-05	Norton Trail	Street Outlet Pipe (2)	✓												
43-01	Rosanne Lane	Street Outlet FE	✓				✓								
43-02	Norton Park Road	Watercourse Outlet Pipe (2)													
43-03	Norton Park Road	Watercourse Inlet Pipe (2)													
43-04	Norton Park	Street Outlet Pipe	✓												
43-05	Norton Park	Street Outlet Pipe	✓												
43-06	Hemingway Street	Street Outlet FE	✓												
43-07	Hemingway Street	Street Outlet HW	✓												
43-08	Roseleah Avenue	Street Inlet FE													
43-09	Hart Place	Street Inlet HW													
43-10	Burnside Avenue	Street Inlet HW													
45-01	White's Crossing	Street Outlet FE	✓				✓								
45-02	Plainville High School	Street Outlet FE	✓												
45-03	Tomlinson Avenue	Watercourse Inlet Pipe (2)			✓										

45-04	Tomlinson Avenue	Watercourse Outlet Pipe (2)			✓		
45-05	Tomlinson Avenue	Street Outlet Pipe	✓	✓	✓		✓
45-06	Tomlinson Avenue	Watercourse Inlet HW			✓		
45-07	Tomlinson Avenue	Street Outlet WW	✓		✓		✓
45-08	Tomlinson Avenue	Watercourse Outlet HW			✓		
45-09	Arcadia Avenue	Street Outlet HW	✓		✓		
45-10	Arcadia Avenue	Street Inlet HW			✓		
45-11	Ledge Road	Street Outlet HW	✓				
45-12	Ledge Road	Street Outlet HW	✓				
45-13	Ledge Road	Street Inlet HW					
45-14	Ledge Road	Watercourse Outlet HW			✓		
45-15	Ledge Road	Watercourse Inlet HW			✓		
45-16	Ledge Road	Watercourse Outlet HW			✓		
45-17	Ledge Road	Watercourse Inlet HW			✓		
45-18	Ledge Road	Watercourse Outlet HW			✓		
45-19	Ledge Road	Watercourse Inlet HW			✓		
45-20	Sunset Avenue	Wetland Inlet Pipes			✓		
45-21	Sunset Avenue	State/Town Outfall HW	✓		✓		✓
49-01	Red Stone Hill	Street Outlet FE	✓				
49-02	Hollyberry Lane	Street Inlet FE					
49-03	Hollyberry Lane	Street Outlet FE	✓				
49-04	Red Stone Hill	Watercourse Outlet HW					✓
49-05	Red Stone Hill	Watercourse Outlet HW					
49-06	Red Stone Hill	Watercourse Inlet Pipe					
49-07	Hollyberry Lane	Street Outlet Pipe	✓				
49-08	Hollyberry Lane	Street Outlet Pipe	✓				
49-09	Hollyberry Lane	Street Outlet Pipe	✓				
49-10	Red Stone Hill	Watercourse Inlet HW					

49-11	Condale Lane	Street Outlet Pipe	✓				
49-12	Condale Lane	Street Outlet FE	✓				✓
49-13	Condale Lane	Street Outlet FE	✓				✓
50-01	Norton Park	Watercourse Inlet Pipe (3)					
50-02	Norton Park	Watercourse Outlet Pipe (3)					
50-03	Norton Park	B&G/Park Outlet FE	✓		✓		✓
50-04	Norton Park	State/Town Outfall HW	✓		✓		✓
50-05	Norton Park	Pool/Park Outlet FE	✓		✓		✓
51-01	Spring Street	Watercourse Inlet FE					
51-02	Spring Street	Watercourse Outlet FE	✓				
51-03	Spring Street	Street Outlet FE	✓				
51-04	Martin Drive	Street Outlet FE	✓	✓			
51-05	Carol Drive	Street Outlet FE	✓	✓			
51-06	Shuttle Meadow Road	Street Outlet FE	✓				
51-07	Shuttle Meadow Road	Watercourse Inlet Pipe					
51-08	Shuttle Meadow Road	Watercourse Outlet Pipe		✓			
51-09	Shuttle Meadow Road	Watercourse Outlet Pipe (3)					
51-10	Shuttle Meadow Road	Watercourse Inlet Pipe (3)					
51-11	Shuttle Meadow Road	Street Outlet FE	✓	✓			
51-12	Canterbury Lane	Street Outlet HW	✓	✓			
51-13	Stillwell Drive	Watercourse Outlet Culvert(2)			✓		
51-14	Stillwell Drive	Watercourse Inlet Culvert (2)			✓		
51-15	Rosemont Drive	Street Outlet FE	✓	✓	✓		
51-16	Spring Street	Sr. Villages Outlet FE/Pipe	✓				
51-17	Spring Street Rear	Watercourse Inlet Pipe					
51-18	Spring Street Rear	Watercourse Outlet Pipe					
51-19	Stillwell Drive Bridge	Street Outlet HW	✓	✓			✓
51-20	Stillwell Drive Bridge	Street Outlet FE	✓	✓			✓

52-01	Linsley Drive	Street Outlet Pipe	✓	✓			✓		7.14	422	0.21	62.0		0.00	0.00	Not Detected	62
52-02	Rosemont Drive	Street Outlet FE	✓	✓	✓												
52-03	Pickney Avenue	Street Outlet FE	✓	✓	✓			✓									
52-04	Pickney Avenue	Street Inlet FE															
52-05	Arcadia Avenue	Watercourse Outlet HW															
52-06	Lena Avenue	Watercourse/Street Outlet FE	✓		✓												
52-07	Lena Avenue	Watercourse Inlet HW			✓												
52-08	James Place	Street Outlet FE (2)	✓		✓			✓									
52-09	Ledge Road	Watercourse Outlet HW			✓												
52-10	Ledge Road	Watercourse Inlet HW			✓												
52-11	Ledge Road	Watercourse Outlet Pipe			✓												
52-12	Ledge Road	Watercourse Inlet Pipe			✓												
52-13	Ledge Road	Watercourse Inlet Pipe			✓												
52-14	Ledge Road	Watercourse Outlet Pipe			✓												
52-15	Pickney Avenue	Street Inlet FE			✓												
52-16	Lena Avenue	Interconnection MH															
52-17	Pickney Avenue	Street Inlet FE															
52-18	Sunset Avenue	Street Outlet FE	✓														
52-19	Lena Avenue	Street Outlet Pipe	✓														
55-01	Red Stone Hill	Watercourse Inlet HW															
55-02	Red Stone Hill	Watercourse Outlet HW	✓														
56-01	Town Line Road	Watercourse Inlet Pipe (2)															
56-02	Town Line Road	Watercourse Outlet Pipe (2)															
56-03	Town Line Road	Street Outlet FE	✓														
57-01	Cianci Avenue	Street Outlet Pipe	✓	✓													
57-02	River Street	Street Outlet Pipe CNF	✓														
57-03	River street	Street Inlet Pipe CNF						✓									

57-04	Shuttle Meadow Road	Street Outlet Pipe	✓	✓				
57-05	River Edge Court	Street Outlet Pipe	✓	✓				
57-06	Shuttle Meadow Road	Street Inlet Pipe - CNF						
57-07	Pavano Drive	Street Inlet Pipe						
58-01	James Place	Street Outlet FE (2)	✓		✓			
58-02	James Place	Street Inlet FE (2)			✓			
58-03	Ledge Road	Watercourse Outlet Pipe			✓			
58-04	Ledge Road	Watercourse Inlet Pipe			✓			
58-05	James Place	Street Outlet Pipe (2)	✓		✓			
328	**Total Inventory**		**178**	**40**	**103**		**17**	**52**