

MS4 General Permit
Town of New Milford 2023 Annual Report
Permit Number GSM 000046
January 1, 2023 – December 31, 2023

Primary MS4 Contact: Jack Healy, Director of Public Works, (860) 355-6040 ext. 3249, jhealy@newmilfordct.gov

This report documents New Milford's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2023 to December 31, 2023.

Table of Contents

- Part I: Summary of Minimum Control Measure Activities** ----- 4
- 1. Public Education and Outreach ----- 4
 - 1.1 BMP Summary ----- 4
 - 1.2 Public Education and Outreach activities planned for the next year ----- 5
- 2. Public Involvement and Participation ----- 6
 - 2.1 BMP Summary ----- 6
 - 2.2 Public Involvement/Participation activities planned for the next year ----- 7
- 3. Illicit Discharge Detection and Elimination ----- 8
 - 3.1 BMP Summary ----- 8
 - 3.2 IDDE activities planned for next year ----- 10
 - 3.3 Reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs since 2017. ----- 10
 - 3.4 Provide a summary of actions taken to address all IDDEs and SSOs within current reporting period. ----- 12
 - 3.5 Briefly describe the method and effectiveness of said method used to track illicit discharge reports. ----- 12
 - 3.6 IDDE Reporting Metrics ----- 12
 - 3.7 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often it is given. ----- 12
- 4. Construction Site Runoff Control ----- 14
 - 4.1 BMP Summary ----- 14
 - 4.2 Construction site runoff control activities planned for next year ----- 16
- 5. Post-Construction Stormwater Management ----- 17
 - 5.1 BMP Summary ----- 17
 - 5.2 Post-Construction Stormwater Management activities planned for the next year ----- 20
 - 5.3 Post-Construction Stormwater Management reporting metrics ----- 20
 - 5.4 Description of the method used to calculate baseline DCIA ----- 20
- 6. Pollution Prevention and Good Housekeeping ----- 21
 - 6.1 BMP Summary ----- 21
 - 6.2 Pollution Prevention and Good Housekeeping activities planned for the next year ----- 27
 - 6.3 Pollution Prevention and Good Housekeeping reporting Metrics ----- 28

29	6.4 Catch basin cleaning program -----	
	6.5 Retrofit Program -----	29
	Part 2: Impaired waters investigation and monitoring -----	
30	1. Impaired waters investigation and monitoring program -----	30
	1.1 Pollutants of Concern in New Milford -----	30
	1.2 Describe program status -----	30
	2. Screening data for outfalls to impaired waterbodies -----	31
	3. Follow-up investigations -----	32
	4. Prioritized outfall monitoring -----	
32		
	Part III: Additional IDDE Program Data -----	
33	1. Assessment and Priority Ranking of Catchments Data -----	33
	2. Outfall and Interconnection Screening and Sampling Data -----	35
	2.1 Dry weather screening and sampling data from outfalls and interconnections -----	35
	2.2 Wet weather sample and inspection data -----	35
	3. Catchment Investigation Data -----	36
	3.1 System Vulnerability Factor Summary -----	36
	3.2 Key junction manhole dry weather screening and sampling data -----	
36	3.3 Wet weather investigation outfall sampling data -----	37
	3.4 Data for each illicit discharge source confirmed through catchment investigation procedure -----	37
	Part IV: Certification -----	38
	Appendix A -----	39

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach

MS4 General Permit Section 6(a)(2) “Implement a public education program to distribute educational materials to the permittee’s community (i.e. residents, business and commerce, students, staff, contractors, etc.) or conduct equivalent outreach activities about the sources and impacts of stormwater discharges on waterbodies and the steps that the public can take to reduce pollutants in stormwater runoff.”

1.1 BMP Summary

BMP	Current Status	Activities in current reporting period	Method of Distribution	Measurable Goal	Department Responsible	Additional details
1-1 Implement Public Education And Outreach	Ongoing	The New Milford Water Smart webpage provides valuable sources and materials about MS4. The webpage also provides the most recent Stormwater Management Plan to inform the public.	New Milford Stormwater Page \\newmilford.org\data\Us erProfiles\jsh eridan\Deskt	Inform the general public about MS4 and water protection.	DPW	

			op\MS4\Reports Past Present\New Milford			
1-2 Address education/ outreach for pollutants of concern	Ongoing	<p>a. Town employees participated in The National Stormwater Center’s certification program for municipal Stormwater inspection.</p> <p>b. Town employees participated in a Stormwater Pollution Management program (SWPPP) provided by Vector Solutions.</p> <p>c. The town was certified by Bee City USA. This provides town employees and residents with education and incentive to promote building of pollinator habitat.</p>	<p><i>National Stormwater Center:</i> https://npdes.com/training-programs</p> <p><i>Vector Solutions:</i> https://www.vector-solutions.com/course-search/catalogs/water-waste-water-training-courses/</p>	Distribute information on common sources of pollutants and how to prevent or reduce the amount that reaches waterways.	DPW	
1-3 Establish stormwater page on town website	Ongoing	New Milford has a link on their website, on the left side of the home page, to inform residents of stormwater management practices. This page provides resources for education about the impact of stormwater, how to mitigate, and the town’s progress in reaching its MS4 goals.	New Milford Stormwater Page	Develop and collect Stormwater specific educational materials to share with the public, pursuant to BMP 1.1 and 1.2. Establish stormwater page on Town website with information on potential sources of, impacts of, and solutions to stormwater pollutants of concern.	DPW	

1.2 Public Education and Outreach activities planned for the next year

- Implement a program to physically label catch basins as locations where dumping is strictly prohibited.
- Maintain The Town's website and update the available materials as needed.
- Develop educational materials to help raise awareness of pollutants of concern and their sources.
 - Why not to feed waterfowl.
 - The importance of picking up after your pets.
 - The environmental impact of excess fertilizer use on turf and proximal to storm drains.
 - The impact of the use of insecticides and herbicides.
- Create informational materials about specific local bioretention cells, their biological/physical processes and the positive effect they have on hydraulic and nutrient loading.

2. Public Involvement and Participation

MS4 General Permit Section 6(a)(2) “The permittee shall provide opportunities to engage their community to participate in the review and implementation of the permittee’s Plan. The goal of this minimum control measure is to involve the community in both the planning and implementation process of improving water quality.”

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed, projected completion date, or continuous project	Location Posted	Additional details
2-1 Comply with public notice requirements for Annual Reports	Ongoing	a. New Milford published notice on its website regarding availability of its stormwater management plan. b. New Milford posted the 2022 annual report on its stormwater page.	Publish public notice about the MS4 Plan and Annual Report by January 31. Accept public comments for 30 days following the public notice.	DPW	Annually by January 31 st	New Milford Stormwater Page	
2-2 Partner with local organizations	Ongoing	a. New Milford partnered with Bee City USA, an organization dedicated to increasing the abundance of native plants and decreasing the usage of pesticides. b. New Milford worked with WestCOG who are in the process of completing a project mapping catch basins, drain lines, and outfalls.	Review MS4 plan and identify opportunities to engage with local organizations in implementing the plan. Contact at least one local organization and/or school to engage them in plan implementation and related programs, such as volunteer opportunities and town cleanup days. Engage organizations in plan	DPW	Continuous project	New Milford Stormwater Page	

			implementation and programming.				
2-3 Conduct household hazardous waste collection	Ongoing	New Milford held its annual Hazardous Waste Collection Day at The John Pettibone School.	Conduct at least one Household Hazardous Waste Collection Day per year for the New Milford community. Notify residents about Household Hazardous Waste Collection dates through the Town website.	DPW	Continuous project; to be held at least once a year	The John Pettibone School	

2.2 Public Involvement/Participation activities planned for the next year

- Publish notice of 2023 MS4 Annual Report.
- Conduct Hazardous Waste Collection Day and provide ample notice about where and when it is.
- Provide logistical and material support to volunteer groups as needed.
- Work with the community to identify and remove invasive species in stressed areas.
- Work with the community to establish a bioretention cell in a high profile area; lead by example.
- Develop a plan to manage runoff and erosion on gravel/dirt roads.

3. Illicit Discharge Detection and Elimination

MS4 General Permit Section 6(a)(3) “the permittee shall develop a written Illicit Discharge Detection and Elimination (IDDE) program designed to: provide the legal authority to prohibit and eliminate illicit discharges to the MS4; find the source of any illicit discharges; eliminate those illicit discharges; and ensure ongoing screening and tracking to prevent and/or eliminate future illicit discharges. Failure to implement all elements of the IDDE program to the MEP constitutes a violation of this permit.”

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable Goal	Department Responsible	Date completed, projected completion date, or continuous project	Additional details
3-1 Develop written IDDE program	Complete	New Milford has finalized its written IDDE plan	Develop written IDDE Program.	DPW	Completed 12/23/2022	
3-2 Develop list and maps of all MS4 Stormwater outfalls in priority areas	Ongoing	New Milford is in the process of finalizing the mapping of its Stormwater infrastructure in GIS. The mapping is currently under review by the DPW.	Develop and maintain a list and GIS-based map of all Stormwater discharges from a pipe or conduit located within and owned/operated by the Town, and all interconnections with other MS4s.	DPW	Complete, quality control in progress	
3-3 Implement citizen reporting program	Complete	New Milford has implemented a method for reporting issues and concerns using the See-Click-Fix platform. This method is supplemental to provided options to call or email staff.	Develop and implement procedure to track citizen complaints of illicit discharges. Update Stormwater page on Town website to include reporting process guidelines and contact information. Promptly investigate reported discharges. Update IDDE program with reported illicit discharge information as needed. Update Annual Report with reported illicit discharge information as needed.	DPW	Completed 07/01/2017	
3-4 Establish legal authority to prohibit illicit discharges	Ongoing	New Milford is reviewing resources provided by UConn CLEAR as well as written ordinances from other towns in order to develop an ordinance to further establish legal authority. Preliminary draft language has been	Publish a final copy of the ordinance with approval of all parties involved.	All Departments	Projected: 12/31/2024	

		established and a working ordinance will be implemented in 2024.				
3-5 Develop record keeping system for IDDE tracking	Complete	New Milford uses the See-Click-Fix platform which allows residents to directly report problems or concerns. The package also functions as a database that is used to track number of, response time to, and community insight on registered concerns.	Develop and implement Documentation procedures for illicit discharge abatement activities. Update Annual Report with required abatement activity information pursuant to the updated MS4 permit.	DPW	Completed: 07/01/2017	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	New Milford is continuing to address areas with pollutants of concern. This includes street sweeping, catch basing cleaning, maintaining easement access, and working closely with The Health Department and Water Pollution Control Authority.	Identify locations within New Milford at risk of pollution by bacteria, phosphorus, and nitrogen, and explicitly prioritize these areas within the written IDDE program. Update the Annual Report with information on the prioritized areas, actions taken by the Town to address these areas, and the anticipated pollutant reduction.	DPW	Continuous project	
3-7 Conduct testing of sediments to monitor pollutant concentration in runoff	Ongoing	New Milford tested a composite of sediments taken from storm basins in 2023 to ascertain the presence of pollutants. The sediments cleaned from storm drains will continue to be monitored to ensure pollutants remain within acceptable concentrations.	Monitor pollutant concentration over time and ensure that it remains within the acceptable threshold. Ascertain the condition of sediment taken from basins and plan accordingly for the proper methods of disposal.	DPW	Continuous project	

3.2 IDDE activities planned for the next year

- Develop a concise and effective program to screen and monitor MS4 outfalls. Periodically sample water, sediment, and receiving water as a control. Develop a reliable baseline to help monitor changes in runoff water quality over time.
- Continue to utilize See-Click-Fix to track illicit discharges and community input.
- Post to the public a clear and concise ordinance that establishes legal authority over dumping in MS4 drains. Create a standard incident report form to be filed with MS4 materials in order to keep track of current and reoccurring discharges. Work with the Health Department and The WPCA to establish a standard operating procedure for dealing with IDDE and SSO as quickly as possible.

3.3 Suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs since 2017. Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of Stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-Stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

Date of Report/Incident	Method used to track report	Address/Location Subregional Watershed	Type of incident	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)
10/11/2017	Citizen report	106 Elm Street Extension Housatonic	SSO	0-50 gallons	Sewer Blockage	Blockage removed by flushing
12/07/2018	Citizen report	Willow Springs Housatonic	SSO	51-500 gallons	Mechanical equipment failure	Mechanical equipment fixed, and the area was treated with bleach
04/05/2018	New Milford Police Department	48 Danbury Road Housatonic	SSO	501-1000 gallons	Grease blockage/McDonald's	Blockage Removed by flushing, and the area was disinfected with bleach
07/11/2019	New Milford Public Works	48 Danbury Road Housatonic	SSO	51-500 gallons	Grease blockage/McDonald's	Blockage removed by flushing, McDonalds added to list of problematic permittees
08/02/2020	Citizen Report	11 Railroad Street Housatonic	SSO	51-500 gallons	Grease blockage	Blockage removed
12/15/2020	Citizen Report	7 Violet Hill Road Housatonic	SSO	1-50 gallons	Tree root blockage	Blockage removed
11/30/2021	New Milford Police Department	48 Danbury Road Housatonic	SSO	Unknown	Grease blockage	Blockage removed

02/09/2022	Citizen Report	9 Terrace Place Ext. Housatonic	SSO	100 gallons	Tree root blockage	Blockage removed by flushing and mechanical pipe cleaner. Assessed damage to pipes.
05/02/2022	Citizen Report	205 Sawyer Hill Road West Aspetuck	IDDE	Extent Unknown	Contractor discharged pool water into storm drain	Contractor warned not to discharge into storm drains
08/06/2022	Citizen Report	14 Bridge Street Housatonic	SSO	50-100 gallons	Grease blockage	Blockage removed by flushing
10/20/2022	BLD Environmental	2 Chatfield Road Housatonic	IDDE	Extent Unknown	Residential Petroleum Tank Failure	Tank removed, spill cleaned. No free product, soil sample results 2000 ppm.
12/24/2022	Citizen Report	706 Kent Road Housatonic	IDDE	5 gallons	Oil discharge from utility pole transformer	Spill cleaned
01/04/2023	New Milford Fire Department	-73.3925,41.5567 Housatonic	IDDE	12 gallons	Car accident in stream	Booms deployed, spill cleaned
03/09/2023	New Milford Public Works	44 Housatonic Ave. Housatonic	SSO	Extent Unknown	Lateral cleanout bypass	Notice issued to homeowner
04/06/2023	New Milford Health Department	44 Housatonic Ave. Housatonic	SSO	Extent Unknown	Lateral cleanout bypass	Notice issued to homeowner
12/27/2023	New Milford Water Pollution Control Authority	44 Housatonic Ave. Housatonic	SSO	Extent Unknown	Lateral cleanout bypass	Notice issued to homeowner
01/17/2024	New Milford Public Works	-73.4119,44.5775 Housatonic	IDDE	Extent Unknown	Hair salon cleaning crew dumping mop water in storm drain	Warning issued and correct disposal method provided

3.4 Provide a summary of actions taken to address all IDDEs and SSOs within current reporting period.

Date(s) of Report/Incident	Method used to track incident	Location and nature of system in which incident occurred	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible for remediation
01/04/2023	New Milford Fire Department	-73.3925,41.5567 Car accident in stream	Booms deployed, spill cleaned	Housatonic	Fire Department and Police Department
03/09/2023	New Milford Public Works	44 Housatonic Ave. Sanitary Sewer Overflow	Notice issued to homeowner	Housatonic	Health Department
04/06/2023	New Milford Health Department	44 Housatonic Ave. Sanitary Sewer Overflow	Notice issued to homeowner; lateral cleared and not bypassing.	Housatonic	Health Department
12/27/2023	New Milford Water Pollution Control Authority	44 Housatonic Ave. Sanitary Sewer Overflow	Notice issued to homeowner; Area cleaned.	Housatonic	Health Department

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

The Town primarily uses the See-Click-Fix platform to track reports of IDDE and SSO. This method, combined with the option to email or call about issues has proven to be effective. These systems also functions as a database to track number of, and response times to, specific registered concerns. The DPW reports SSOs directly to DEEP electronically, and retains hard copies of the reports.

The Town also relies heavily on internal communication and reporting. Staff from Public Works, The Water Pollution Control Authority, The Health Department, The Police Department, and The Fire Department are always on the lookout for issues that could affect the MS4 system.

3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	600
Estimated or actual number of interconnections	30
Outfall mapping complete	95%
Interconnection mapping complete	95%
System-wide mapping complete (detailed MS4 infrastructure)	95%
Outfall assessment and priority ranking	100%

Dry weather screening of all High and Low priority outfalls complete	0
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	0

3.7 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often it is given.

Town Highway staff is trained once per year that when identifying a non-Stormwater discharge, the source of the discharge shall be determined, and if found to be beyond or outside the Town’s system, the owner of the property is notified. The training is given by the Town’s DPW director.

Town DPW staff are periodically certified through courses with Vector Solutions and The National Stormwater Center, in managing Stormwater runoff.

4. Construction Site Runoff Control

MS4 General Permit Section 6(a)(4) “The permittee shall implement and enforce a program to control Stormwater discharges (to it’s MS4) associated with land disturbance or development (including re-development) activities from sites (as defined in the Department’s General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities) with one acre or more of soil disturbance, whether considered individually or collectively as part of a larger common plan.”

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable Goal	Department Responsible	Date completed, projected completion date, or continuous project	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Ongoing	Chapter 175-020-3.I of the New Milford Zoning Regulations requires that developers, construction site operators, or contractors maintain consistency with the 2002 Guidelines for Soil Erosion and Sedimentation Control, as amended.	Continue to require developers, construction site operators, or contractors maintain consistency with the 2002 Guidelines for Soil Erosion and Sedimentation Control, as amended.	Planning & Zoning, DPW	Completed: 12/31/2018	
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing	The town has a coordinated permitting process that is managed through View Permit. A flow chart of the interdepartmental coordination process.	Develop and abide by an Interdepartmental Coordination Plan for the management of Stormwater quality.	All Departments	Continuous Project	
4-3 Review site plans for Stormwater quality concerns	Ongoing	The town uses procedures that incorporate potential water quality impacts for site plan review. All development activity is subject to the submittal of a site plan which includes plans for soil	Continue to review and inspect site plans to ensure compliance with MS4 requirements and update as needed.	Planning & Zoning, DPW, Inland Wetlands,	Continuous Project	

		erosion, sediment control, and Stormwater management.				
4-4 Conduct site inspections	Ongoing	<p>The town performs site inspections as required by application approval conditions.</p> <p>The commission may require the permittee to verify that soil erosion and sediment control measures are operating according to the certified plan.</p>	Evaluate and update standard conditions of approval. Inventory privately owned retention ponds, and other Stormwater basins that discharge to/receive drainage from the Town's MS4.	Planning & Zoning, DPW	Continuous Project	
4-5 Implement procedure to allow public comment on site development	Complete	<p>The town uses See-Click-Fix to gather public comments or concerns.</p> <p>The town also uses the public hearing process through which residents are able to voice questions and concerns about land applications.</p>	Develop and implement written procedure for collecting and reviewing citizen feedback regarding proposed and ongoing land disturbance and development activities.	Planning & Zoning, DPW	Completed 07/01/2017	
4-6 Implement procedure to notify developers about DEEP construction Stormwater permit	Ongoing	The Town implements a standard condition of approval for notifying developers (working in a municipality) or contractors (working for a municipality or an institution) of their potential obligation to obtain other permits, such as authorization under CTDEEP's General Permit for the Discharge of	Evaluate the procedure for notifying developers or contractors about the requirements set forth by DEEP's General Permit by July 1,2017, and modify as needed. Continue to	Planning & Zoning, DPW	Completed 07/01/2021	

		Stormwater and Dewatering Wastewaters Associated with Construction Activities if their development or redevelopment project disturbs one or more acres of land, either individually or collectively, as part of a larger common plan, and results in a point source discharge to the surface waters of the state directly or through the Town's MS4.	provide notification throughout the permit term.			
--	--	--	--	--	--	--

4.2 Construction Site Runoff Control activities planned for the next year

- Continue to evaluate and enforce existing sediment and erosion control regulations.
- Continue to utilize the See-Click-Fix Platform to track citizen reports and concerns.
- Formalize existing interdepartmental coordination plan into a more concise standard operating procedure for IDDE and SSO events.
- Continue the processes by which The Town of New Milford inspects and reviews site plans and current construction.
- Continue to notify applicants of their potential obligation to register for the construction general permit.

5. Post-construction Stormwater Management

MS4 General Permit Section 6(a)(5) “The permittee shall establish an ordinance, bylaw, regulation, standard condition of approval or other appropriate legal authority that requires, to the MEP, that a developer or contractor seeking the permittee’s approval shall consider the use of low impact development (“LID”) and runoff reduction site planning and development practices prior to the consideration of other practices in the permittee’s land use regulations, guidance or construction project requirements to meet or exceed those LID and runoff reduction practices identified in the Stormwater Quality Manual.”

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed, projected completion date, or continuous project	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	Ongoing	The Town will review and update their existing regulations related to Post-Construction Stormwater Controls so that their land use regulations require, to the MEP, that a developer/contractor seeking Town approval shall consider the use of LID.	Review and evaluate existing ordinances, regulations, and inspection procedure to ensure compliance with MS4 requirements.	Planning & Zoning, DPW	Projected 12/31/2024	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing	The Town continues to enforce the Stormwater Management requirements included in the Town Zoning Regulations. All projects require some form of Stormwater management.	Enforce regulations and design guidelines that require Developers and contractors to consider implementation of LID/runoff reduction measures for development and redevelopment	Planning & Zoning, DPW	Continuous Project	

			projects in the Town as specified in the MS4 permit.			
5-3 Identify retention and detention ponds	Ongoing	The Town has yet to confirm all retention and detention ponds in priority and non-priority areas.	Identify retention and detention ponds in priority areas and ascertain their effectiveness at managing Stormwater runoff.	Planning & Zoning, DPW	Projected 12/31/2024	
5-4 Implement long-term maintenance plan for Stormwater basins and treatment structures	Ongoing	The Planning and Zoning regulations require owners to maintain their Stormwater treatment practices so that they do not become nuisances. The Town is currently working on cleaning Town-owned basins, removing invasive vegetation from them first, and then removing sediment.	Establish requirements for the maintenance and upkeep of bioretention cells to maintain their efficiency. Prepare conditions of approval for inspection access.	Planning & Zoning, DPW	Continuous Project	
5-5 DCIA mapping	Ongoing	The Town utilizes the state's impervious coverage mapping, and then modifies based on the Sutherland equations. The Town estimates that there is 1,106 acres of DCIA in the Town.	Calculate the DCIA that contributes Stormwater runoff to each MS4 outfall. Update calculations as DCIA is added or removed within the Town.	DPW	Completed 02/10/2023	

5-6 Address post-construction issues in areas with pollutants of concern	Ongoing	Identify erosion and sediment problems in impaired waters. Develop and implement short and long-term maintenance solutions to the problems as funding becomes available, or use legal authority to hold property owners accountable. Update annual report with identification of problem areas, the cost of the retrofit, and the anticipated pollutant reduction.	Maintain a sampling program to keep track of pollutant concentration in runoff. Hold property owners accountable for their discharges and pollutant loading.	DPW	Continuous Project	
5.7 Turf reduction	Ongoing	The Town's wetland regulations require applicants to preserve as much of the natural buffer as possible.	Maintain The Town's wetland regulations, ensuring compliance of applicants. Modify the regulations as needed to comply with MS4 requirements.	Parks and Recreation, DPW, Inland Wetlands	Continuous Project	
5-8 Require consistency with the 2004 Connecticut Stormwater Quality Manual	Complete	The Town requires consistency with the 2004 Stormwater Quality Manual in its reviews.	Update regulations or policies for permit applicants to maintain consistency with the 2004 Stormwater Quality Manual.	DPW	Complete 07/01/2017	
5-9 Coordination with other departments	Ongoing	Other departments including Parks and Recreation, The Health Department, The WPCA, New Milford Public Schools, Facilities, Planning and Zoning, and Inland Wetlands are included in MS4 processes as required.	Continue to actively coordinate with local departments to ensure strict compliance	DPW, All Departments	Continuous Project	

			with MS4 plan requirements.			
--	--	--	-----------------------------	--	--	--

5.2 Post-Construction Stormwater Management activities planned for the next year

- Evaluate modification of Stormwater management regulations to align LID requirements with MS4 general permit.
- Identify all public and private detention ponds, prepare condition allowing town access, and create a general maintenance plan to maintain efficiency.
- Continue to encourage preservation and enhancement of natural buffers.
- Continue to coordinate application and project reviews with The Health Department, Water Pollution Control Authority, and Parks and Rec.
- Develop a general inspection and maintenance plan for the upkeep of bioretention cells.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	1106
DCIA disconnected (redevelopment plus retrofits)	TBD
Retrofit projects completed	0
DCIA disconnected	TBD
Estimated cost of retrofits	\$0
Detention or retention ponds identified	TBD

5.4 Description of the method used to determine baseline DCIA.

The Town started with the CTDEEP impervious coverage layer, and then applied the Sutherland equations.

6. Pollution Prevention and Good Housekeeping

MS4 General Permit Section 6(a)(6) “The permittee shall implement an operations and maintenance program for permittee-owned or –operated MS4s that has a goal of preventing or reducing pollutant runoff and protecting water quality from all permittee-owned or -operated MS4s.”

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed, projected completion date, or continuous project	Additional details
6-1 Develop/implement formal employee training program	Ongoing	<p>The Town already provides annual training as part of its Industrial Stormwater General Permit. The Town will incorporate MS4 topics into the next training session.</p> <p>Town staff are periodically trained through Vector Solutions or the National Stormwater Center.</p>	<p>Incorporate The Town’s Industrial Stormwater Permit Training with the MS4 training to establish the connection between their mutual goals.</p> <p>Incorporate more training from The NSC to expand staff knowledge on BMPs.</p>	DPW	Continuous Project	
6-2 Implement MS4 property and operations maintenance	Ongoing	<p>The Town offers an annual training session as part of its Industrial Stormwater permit, and utilizes secondary containment for storage of liquid materials.</p> <p>The Town continues to use a wash bay at its public works garage that discharges to a separator before the sanitary sewer.</p> <p>Town-owned facilities are swept a minimum</p>	<ul style="list-style-type: none"> -Ensure all chemicals with potential to be a detriment to MS4 connected systems are properly handled by staff. -Develop standard operating procedures for different spill types and effectively implement. -Enforce the proper waste management protocols for the 	DPW, Parks and Rec, WPCA	Completed 12/31/2022	

		<p>of once per year, and on an as needed basis.</p> <p>Additionally, the Town has developed Integrated Pest Management plans for the Board of Education and Parks and Recreation facilities.</p>	<p>disposal of hazardous wastes.</p> <p>-Enforce plans to sweep parking lots and keep facilities and their surrounding areas clean.</p>			
6-3 Implement coordination with interconnected MS4s	Ongoing	The Town will identify locations where its storm drainage system ties into CTDOT's drainage system as well as the drainage system of adjacent towns.	Coordinate with the DOT and adjacent municipalities to ensure compliance in shared basins in priority areas.	DPW	Continuous Project	
6-4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	<p>Develop a list of facilities in Town not required to register under the Industrial Stormwater Permit, and review screening and monitoring results as they become available.</p> <p>The Town requires property owners obtain a permit from DPW to connect to Town owned storm sewers. Typically, the Town also requires stormwater quality measures associated with these connections. There are no other industrial activities to the Town's knowledge that would require registration under the Industrial General Permit.</p>	<p>Maintain oversight of Industrial Stormwater Permittees to ensure compliance with The Town's MS4 requirements.</p> <p>Establish and enforce oversight of storm sewer permittees' requirements to implement stormwater quality measures.</p>	DPW	Projected 12/31/2024	
6-5 Evaluate additional measures for discharges to impaired waters	Ongoing	The Town is using a variety of BMPs to manage discharge of pollutants into impaired waters. The implementation of new BMPs is at the behest of public approval and potential effectiveness.	Establish new BMPs by way of public input and proven effectiveness by case studies.	DPW	Continuous Project	

6-6 Track projects that disconnect DCIA	Ongoing	The Town will track the DCIA coverage on a separate spreadsheet as land development projects are approved and Certificates of Occupancy are issued.	Track the disconnected DCIA within all basins, and identify progress with meeting goals.	DPW	Continuous Project	
6-7 Implement infrastructure repair/rehab program	Ongoing	The Town has a list of projects and reviews them periodically, adding projects or reprioritizing them. The Town will continue this list.	Draft an internal policy which enforces MS4 requirements for repairs and retrofits of infrastructure.	DPW	Continuous Project	
6-8 Develop/implement plan to identify/prioritize retrofit projects	Ongoing	The work conducted under the previous MS4 permit did not indicate any problems with the Town's MS4 infrastructure that required retrofit.	Continue to inspect infrastructure in order to identify locations needing repair or retrofit. Make repairs and retrofit as funding becomes available.	DPW	Continuous Project	
6-9 Implement retrofit projects to disconnect 2% of DCIA	Ongoing	The Town has not identified any opportunities for DCIA disconnection on its own properties. The Town will continue to look for opportunities on its facilities and with developers.	Disconnect 2% of The Town's DCIA	DPW	Projected 12/31/2024	
6-10 Develop/implement street sweeping program	Ongoing	The Town sweeps all its streets on an annual basis.	Develop and implement a procedure for identifying areas in need of additional street sweeping. Establish a schedule for street sweeping to ensure minimum frequency is met for all roads. Establish higher sweeping frequency for basins with a DCIA greater than 11% and/or which are part of the greater	DPW	Continuous Project	

			watershed of impaired water bodies.			
6-11 Develop/implement catch basin cleaning program	Ongoing	Approximately 59 catch basins were cleaned in 2023. As part of the cleaning process, the Town records the condition of each catch basin, and its workers look for signs of illicit discharges.	Continue conducting routine cleaning of all catch basins, aiming to Track catch basin inspection observations. Develop and implement a plan for catch basin inspection and maintenance. Update the Annual Report with documentation of the Town's catch basin cleaning and maintenance process.	DPW	Continuous Project	
6-12 Develop/implement snow management practices	Ongoing	The Town's Highway Garage is part of its Industrial Stormwater Permit, therefore safe handling practices are included as part of the training, including the use of secondary containment. The Town uses a negligible amount of sand on its paved roadways.	Maintain the enforcement of the snow and ice management plan including protocols for training and record keeping. Enforce the proper containment and storage of deicing materials and treat unintentional spills and discharges as IDDEs.	DPW	Continuous Project	
6-13 Parks and open space management	Ongoing	The Town optimizes fertilizer use on its parks properties. The Town maintains buffer zones around the edges of woods and ponds, and fertilizer application is Limited to the field of play.	Continue implementing procedures for responsible fertilizer application and for	DPW	Continuous Project	

	<p>Typically, fertilizer is applied three times per year as recommended by the contractor that manages the town's turf.</p> <p>New Milford uses pesticides and herbicides sparingly in Town Parks. When the Town does use them, it hires a contractor with a Pesticide Applicator's License. The Town treats Young's Field and the Town Green for weeds such as Crabgrass. The Housatonic Railroad Company submits to the Town, annually, a vegetation management plan in accordance with CGS 22a-66a(j). Other Parks best management practices include:</p> <ul style="list-style-type: none"> - Leaving grass clippings on the ground, - Composting leaf litter Recycling waste oil - Removal of waterfowl waste from lakefront daily. <p>Pet waste receptacles are available in parks for patrons.</p> <ul style="list-style-type: none"> - Spill preventative- the use of speedy dry is used for spills. No floor drains are used in facilities. - Whenever possible, park equipment is stored inside, away from watercourses. -Fertilizer and herbicide is used sparingly and is applied by licensed applicator and by manufacturer's recommendation based on soil samples. - MSDC- sheets are kept for products used. - Fertilizers and herbicides if 	<p>implementation of buffer strips.</p> <p>Continue the responsible disposal of grass clippings and leaves that are the legal responsibility of the town. Encourage residents to follow suit, and provide them with resources for proper yard waste disposal and educational material.</p>			
--	--	--	--	--	--

		<p>used are stored in a climate controlled area with no floor drains.</p> <ul style="list-style-type: none"> - Brush and invasive species are managed mechanically, if at all possible. - Snow and Ice management sanders are calibrated at manufacturer's recommended setting. <p>Extreme care is used near watercourses.</p> <ul style="list-style-type: none"> - Care is taken to make sure grass clippings and leaves are not blown into storm drains. 				
6-14 Pet Waste Management	Ongoing	The Town installed and maintains pet waste collection bags, dispensers, and waste receptacles throughout the parks system.	Identify locations where pet waste has high potential to threaten water quality, and implement pet waste management strategies in these areas.	DPW	Completed 07/01/2017	
6-15 Waterfowl Management	Ongoing	<p>The Town monitors its parks properties for waterfowl congregation, and has posted signage advising residents to not feed geese at certain locations. The monitoring is on an ongoing basis.</p> <p>Waterfowl management practices such as owl and coyote decoys are used.</p>	<p>Continue to monitor parks and public properties to keep track of waterfowl congregation activities.</p> <p>Implement a variety of BMPs that will work synergistically to discourage waterfowl congregation.</p>	DPW	Continuous Project	

6-16 Municipal vehicle and equipment management	Ongoing	All Town of New Milford vehicles are washed at a commercial car wash facility where feasible (applies to passenger cars and pickup trucks that can fit). Larger vehicles are washed at The Town garage.	Continue to review and enforce operations and maintenance procedures for town facilities and vehicles.	DPW	Completed 07/01/2018	
6-17 Leaf Management	Ongoing	New Milford has an arrangement with a private contractor who takes residential brush and leaves.	Continue to provide access to, and educational material for, proper yard waste disposal.	DPW	Continuous Project	

6.2 Pollution Prevention and Good Housekeeping activities planned for the next year

- Continue to develop and keep implementing the employee training program.
- Identify interconnected MS4s.
- Identify clear and concise method of tracking changes in DCIA coverage.
- Continue the street sweeping and catch basin cleaning programs and collect data on their condition before and after cleaning. Have sediment samples from catch basins and street sweeping programs tested as need.
- Continue to develop and keep implementing snow management program.
- Establish strategy for decreasing the amount of geese in MS4 priority areas.
- Establish program to label storm drains as locations where dumping is strictly prohibited.
- Identify areas to implement green infrastructure in order to meet goal of disconnecting 2% of DCIA.

6.3 Pollution Prevention and Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Yearly through internal training. As needed through Vector Solutions and NSC.
Street sweeping	
Curb miles swept	400 miles
Volume (or mass) of material collected	900 cubic yards
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	144 Outfalls ~822 Catch Basins
Total catch basins town- (or institution-) wide	5568
Catch basins inspected	59
Catch basins cleaned	59
Volume (or mass) of material removed from all catch basins	800 cubic yards
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of deicing material used	Treated Salt, Sand/Salt, Ice Chip, Brine Solution (made with treated salt)
Total amount of each deicing material applied	2700 tons treated salt 130 tons sand/salt
Type(s) of deicing equipment used	Trucks/Spreaders
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	Approximately 452 miles
Snow disposal location	12 Scovill Street New Milford, CT.
Staff training provided on application methods & equipment	Staff are trained internally on application practices.
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	2021: 3,530 pounds 2022: 3,480 pounds 2023: 2,305 pounds <i>1,175 pound reduction from last year</i>
Reduction in turf area (since start of permit)	TBD
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	\$0

6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program.

The Town has developed a catch basin maintenance program that consists of inspecting and cleaning catch basins in critical areas on a yearly basis, and where roadway work is proposed. Additional catch basins in other areas are cleaned as manpower/funds permit.

6.5 Retrofit program

Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project.

Projects are identified on an as-needed basis, and implemented based upon perceived benefit or potential impact to water quality. In 2023, The Town continued cleaning out Town-owned stormwater detention ponds. On private projects, the Town requires the homeowner to address these issues.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 7/1/22)

The retrofit program will continue as sites are identified and as funding is made available. The Town is evaluating its properties to identify potential disconnection opportunities, and looks for disconnection opportunities in site plan applications by default since the Town utilizes an undeveloped site as the basis of comparison for site development projects.

The Town will continue with its existing process for implementing its own projects, and also for reviewing Town projects and site applications as they come in for review to achieve the DCIA reduction goal.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

MS4 General Permit “The report shall include a listing of the outfalls screened during the year, the number of outfalls identified for follow-up investigation, the progress of drainage area investigations, a description of the control measure implementation for the different impairments, identification of the six outfalls to be monitored, and the results of the prioritized outfall monitoring.”

1.1 Pollutants of Concern in New Milford.

The primary pollutants of concern in New Milford are Nitrogen, Phosphorous, and Bacteria. These pollutants will be the focus of investigations unless further sampling reveals other prevalent pollutants.

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.

The Town had sediment from road sweepings tested in 2023. The material tested was an aggregate of the sediment collected from all road sweepings in 2023. The lab report shows low levels of heavy metals and no detection on any of the other categories tested including Chlorinated Herbicides, Polychlorinated Biphenols, Pesticides, Volatiles, and Semivolatiles.

The Town plans to fully implement a water testing program in 2024 whereby outfalls in priority areas are periodically tested for Nitrogen/ Phosphorus, Bacteria, and Other Pollutants Of Concern.

2. Screening data for outfalls to impaired waterbodies

MS4 General Permit Section 6(i)(1) “Regulated Small MS4s that discharge to impaired waters, as identified in Section 6(k), must create an inventory of all outfalls that discharge to impaired waters utilizing the list and mapping prepared pursuant to Section 6(a)(3)(C).”

Outfall ID	Latitude / Longitude	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *

A follow-up investigation required if the following pollutant thresholds are exceeded:

Pollutant of Concern	Pollutant Threshold
Total Suspended Solids	>40 mg/L
Turbidity	>5 NTU
Conductivity	>2,000 μ S/cm
Salinity	>.05 g/L
Temperature	>4 F above surface water temperature >85 F
Orthophosphate	>0.1 mg/L
Ammonia	>0.5 mg/L
Nitrate	>1.0 mg/L
Total Nitrogen	>2.5 mg/L
Chlorine	Detectable
E. Coli	>235 CFU/100 mL for swimming waters >410 CFU/100 mL for non-swimming waters

3. Follow-up investigations

MS4 General Permit Section 6(i)(1)(D) “The permittee shall conduct follow-up investigations for the drainage areas associated with the outfalls identified as potentially contributing to an impairment as a result of the analyses conducted pursuant to subsections (A) – (C).”

Outfall ID	Status of drainage area investigation	Control measure to address impairment

4. Prioritized outfall monitoring

MS4 General Permit Section 6(i)(1)(D)(iii) “Once outfall screening has been completed for at least half of the outfalls identified pursuant to this section, the permittee shall utilize the screening results to select six(6)of the highest contributors of any of the pollutants of concern. These six outfalls shall be sampled annually for the appropriate pollutant of concern in accordance with the schedule in subsection (E). If more than one pollutant of concern is identified for any monitored outfall (i.e. more than one impairment), all of these pollutants shall be monitored.”

Outfall	Latitude / Longitude	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data

MS4 General Permit Appendix B Section A(7)(c) “The permittee shall assess and priority rank the catchments, delineated as required by subsection (6)(a), in terms of their potential to have illicit discharges and SSOs and the related public health significance. This ranking will determine the priority order for screening of outfalls and interconnections pursuant to subsection (d), catchment investigations for evidence of illicit discharges and SSOs pursuant to subsection (e), and provides the basis for determining permit milestones pursuant to subsection (8).”

Rank	Basin	Category	Rank	Basin	Category
1	6000-00-4+R44	High Priority	44	6700-20-2-R1	Low Priority
2	12/1/6600	High Priority	45	6500-00-3-R1	Low Priority
3	6000-00-4+R45	High Priority	46	6502-00-2-R3	Low Priority
4	6000-00-4+R46	High Priority	47	2/1/6017	Low Priority
5	6500-00-3-R2	High Priority	48	6/1/6500	Low Priority
6	6600-12-1-L1	High Priority	49	6000-30-1	Low Priority
7	11/1/6600	High Priority	50	6700-20-2-R2	Low Priority
8	6000-34-2-R1	High Priority	51	6400-00-1-L5	Low Priority
9	6600-00-4-R6	High Priority	52	6000-00-4+r39	Low Priority
10	6000-00-4+R43	Moderate Priority	53	6000-00+4+R41	Low Priority
11	6600-00-4-R7	Moderate Priority	54	6016-00-3	Low Priority
12	6600-00-4-R8	Moderate Priority	55	6700-00-3-R11	Low Priority
13	6000-28-2-R1	Moderate Priority	56	6000-28-1	Low Priority
14	6500-00-3-R1	Moderate Priority	57	6052-00-2-R4	Low Priority
15	6000-00-4+R42	Moderate Priority	58	6000-00-4+R34	Low Priority
16	6000-36-1	Moderate Priority	59	7/1/6500	Low Priority
17	6000-00-4+R36	Moderate Priority	60	1/1/6501	Low Priority
18	6700-30-1	Moderate Priority	61	6500-07-1-L1	Low Priority
19	6000-32-1	Low Priority	62	6500-00-2-R5	Low Priority
20	6000-35-1	Low Priority	63	8/1/6502	Low Priority
21	6016-00-2-R1	Low Priority	64	6000-00-4+r40	Low Priority
22	6000-00-4+R35	Low Priority	65	6600-00-5+L1	Low Priority
23	6000-31-1	Low Priority	66	6016-00-1-L3	Low Priority
24	6500-00-2-R7	Low Priority	67	6017-00-1	Low Priority
25	6700-20-1	Low Priority	68	6017-00-2-R2	Low Priority
26	6000-37-1	Low Priority	69	6000-37-1-L1	Low Priority

27	6501-00-2-R1	Low Priority	70	6000-35-1-L1	Low Priority
28	9/1/6502	Low Priority	71	6000-27-1	Low Priority
29	6700-24-1	Low Priority	72	6501-00-1	Low Priority
30	6500-00-2-R8	Low Priority	73	6500-00-2-R6	Low Priority
31	6700-23-1	Low Priority	74	6000-00-4+R37	Low Priority
32	6000-34-1	Low Priority	75	6700-00-3-R14	Low Priority
33	6400-00-1*	Low Priority	76	6000-35-1-L3	Low Priority
34	6502-00-2-R5	Low Priority	77	5/1/6500	Low Priority
35	6000-00-4+R38	Low Priority	78	6700-23-2-R1	Low Priority
36	6016-00-1*	Low Priority	79	6016-03-1-L2	Low Priority
37	6700-22-1	Low Priority	80	6400-00-1-L2	Low Priority
38	6000-36-1-L1	Low Priority	81	6000-31-1-L1	Low Priority
39	6700-31-1	Low Priority	82	6000-35-1-L4	Low Priority
40	6000-35-1-L2	Low Priority	83	6017-00-2-R1	Low Priority
41	6700-00-3-R12	Low Priority	84	6500-00-2-R4	Low Priority
42	6000-33-1	Low Priority	85	6700-00-3-R10	Low Priority
43	8/1/6500	Low Priority	86	6000-39-1	Low Priority

2. Outfall and Interconnection Screening and Sampling data (Appendix B (A)(7)(d) / page 7)

MS4 General Permit Appendix B Section (A)(7)(d) “The IDDE program shall include a written procedure for screening and sampling of outfalls and interconnections from the MS4 in dry and wet weather for evidence of illicit discharges and SSOs.”

2.1 Dry weather screening and sampling data from outfalls and interconnections

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken

2.2 Wet weather sample and inspection data

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern

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

MS4 General Permit Appendix B Section A(7)(e) “The permittee shall develop a written systematic procedure for catchment investigation that includes (1) a review of mapping and historic plans and records for the catchment; (2) a manhole inspection methodology; and (3) procedures to isolate and confirm sources of illicit discharges.”

3.1 System Vulnerability Factor Summary

MS4 General Permit Appendix B Section A(7)(e)(i) “The permittee shall document the presence or absence of System Vulnerability Factors for each catchment, retain this documentation as part of its IDDE program, and report this information in Annual Reports.”

Outfall ID	Receiving Water	System Vulnerability Factors

SVFs include but aren't limited to:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data

MS4 General Permit Appendix B Section A(7)(e)(ii)(a) “Key junction manholes shall be opened and inspected for visual and olfactory evidence of illicit connections (e.g. excrement, toilet paper, gray filamentous bacterial growth, or sanitary products present). If flow is observed, the permittee shall sample the flow at a minimum for ammonia, chlorine and surfactants and can use field kits for these analyses.”

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants

3.3 Wet weather follow-up investigation outfall sampling data

MS4 General Permit Appendix B Section A(7)(e)(ii)(b) “the permittee shall also inspect and sample under wet weather conditions to the extent necessary to determine whether wet weather-induced high flows in sanitary sewers or high groundwater in areas served by septic systems result in discharges of sanitary flow to the MS4. The permittee shall conduct at least one wet weather screening and sampling at the outfall for any catchment where one or more System Vulnerability Factors are present.”

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants

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

Discharge location	Source location	Discharge description	Method of discovery	Date of discovery	Date of elimination	Mitigation or enforcement action	Estimated volume of flow removed

Part IV: Certification

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

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name:	Print name:
Signature / Date:	Signature / Date:
Email:	Email:

Appendix A

Basin	Subregional Watershed	Area	Total IC	% IC	Connectivity	DCIA %	DCIA
6000-00-4+R44	Housatonic	369.18	101.5245	27.50%	Highly	21.34%	78.79
12/1/6600	Still	145.25	39.7404	27.36%	Highly	21.21%	30.81
6000-00-4+R45	Housatonic	63.31	17.05571 4	26.94%	Highly	20.82%	13.18
6000-00-4+R46	Housatonic	1058.47	244.6124 2	23.11%	Highly	17.32%	183.36
6500-00-3-R2	West Aspetuck	153.77	32.01491 4	20.82%	Highly	15.28%	23.5
6600-12-1-L1	Still	791.37	117.0436 2	14.79%	Moderately	10.14%	80.24
6600-00-4-R7	Still	145.82	26.56840 4	18.22%	Moderately	7.78%	11.34
11/1/6600	Still	603.01	102.2705	16.96%	Moderately	6.98%	42.12
6000-34-2-R1	Housatonic	812.21	126.6235 4	15.59%	Moderately	6.16%	50
6000-00-4+R36	Housatonic	24.28	3.430764	14.13%	Moderately	5.31%	1.29
6000-00-4+R42	Housatonic	49.8	6.31962	12.69%	Moderately	4.52%	2.25
6500-00-3-R1	West Aspetuck	71.24	9.018984	12.66%	Moderately	4.50%	3.21
6600-00-4-R8	Still	123.14	15.36787 2	12.48%	Moderately	4.41%	5.43
6000-36-1	Housatonic	56.03	6.600334	11.78%	Moderately	4.04%	2.27
6000-28-2-R1	Housatonic	106.44	11.91063 6	11.19%	Moderately	3.74%	3.98
6700-30-1	Shepaug	299.75	33.48207 5	11.17%	Moderately	3.73%	11.19
6600-00-4-R6	Still	1673.74	182.6050 3	10.91%	Moderately	3.60%	60.31
6000-00-4+R43	Housatonic	448.69	45.49716 6	10.14%	Moderately	3.23%	14.49
6000-32-1	Housatonic	1639.73	79.52690 5	4.85%	Slightly	2.66%	43.62
6000-35-1	Housatonic	121.14	5.705694	4.71%	Slightly	2.57%	3.11
6016-00-2-R1	Womenshenuk	634.82	29.77305 8	4.69%	Slightly	2.56%	16.22
6000-00-4+R35	Housatonic	597.91	27.80281 5	4.65%	Slightly	2.53%	15.12
6000-31-1	Housatonic	363.24	16.56374 4	4.56%	Slightly	2.47%	8.97
6500-00-2-R7	West Aspetuck	104.81	4.779336	4.56%	Slightly	2.47%	2.59
6700-20-1	Shepaug	173.11	7.61684	4.40%	Slightly	2.37%	4.1
6000-37-1	Housatonic	1333.48	105.4782 7	7.91%	Slightly	2.22%	29.67

6501-00-2-R1	Merryall	1211.74	49.56016 6	4.09%	Slightly	2.17%	26.27
9/1/6502	East Aspetuck	449.12	18.09953 6	4.03%	Slightly	2.13%	9.57
6700-24-1	Shepaug	474.76	18.32573 6	3.86%	Slightly	2.02%	9.6
6500-00-2-R8	West Aspetuck	1007.96	38.60486 8	3.83%	Slightly	2.00%	20.2
6700-23-1	Shepaug	740.18	28.20085 8	3.81%	Slightly	1.99%	14.74
6000-34-1	Housatonic	958.71	95.00816 1	9.91%	Slightly	1.97%	18.93
6400-00-1*	Candlewood	26.88	0.98112	3.65%	Slightly	1.89%	0.51
6502-00-2-R5	East Aspetuck	2314.31	215.4622 6	9.31%	Slightly	1.78%	41.09
6000-00-4+R38	Housatonic	802.7	26.89045	3.35%	Slightly	1.71%	13.7
6016-00-1*	Womenshenuk	427.92	14.29252 8	3.34%	Slightly	1.70%	7.28
6700-22-1	Shepaug	633.18	21.08489 4	3.33%	Slightly	1.69%	10.73
6000-36-1-L1	Housatonic	433.43	38.27186 9	8.83%	Slightly	1.62%	7.03
6700-31-1	Shepaug	278.28	24.18253 2	8.69%	Slightly	1.58%	4.39
6000-35-1-L2	Housatonic	169.82	14.41771 8	8.49%	Slightly	1.52%	2.58
6700-00-3-R12	Shepaug	20.74	0.628422	3.03%	Slightly	1.51%	0.31
6000-33-1	Housatonic	296.9	8.93669	3.01%	Slightly	1.50%	4.46
8/1/6500	West Aspetuck	1447.01	40.37157 9	2.79%	Slightly	1.37%	19.83
6700-20-2-R1	Shepaug	285.09	7.896993	2.77%	Slightly	1.36%	3.87
6500-00-3-R1	West Aspetuck	1089.46	85.19577 2	7.82%	Slightly	1.32%	14.38
6502-00-2-R3	East Aspetuck	491.95	37.92934 5	7.71%	Slightly	1.29%	6.34
2/1/6017	Morrissey	246.59	6.337363	2.57%	Slightly	1.24%	3.06
6/1/6500	West Aspetuck	551.01	14.05075 5	2.55%	Slightly	1.23%	6.78
6000-30-1	Housatonic	492.97	12.57073 5	2.55%	Slightly	1.23%	6.06
6700-20-2-R2	Shepaug	447.11	10.73064	2.40%	Slightly	1.14%	5.11
6400-00-1-L5	Candlewood	2471.34	169.0396 6	6.84%	Slightly	1.05%	25.98
6000-00-4+r39	Housatonic	848.62	18.92422 6	2.23%	Slightly	1.05%	8.89
6000-00+4+R41	Housatonic	889.7	60.4996	6.80%	Slightly	1.04%	9.26
6016-00-3*	Womenshenuk	447.93	9.944046	2.22%	Slightly	1.04%	4.67
6700-00-3-R11	Shepaug	106.12	2.186072	2.06%	Slightly	0.95%	1.01
6000-28-1	Housatonic	18.25	0.355875	1.95%	Slightly	0.89%	0.16

6052-00-2-R4	NA	880.65	53.45545 5	6.07%	Slightly	0.86%	7.56
6000-00-4+R34	Housatonic	46.91	0.881908	1.88%	Slightly	0.85%	0.4
7/1/6500	West Aspetuck	517.49	9.625314	1.86%	Slightly	0.84%	4.36
1/1/6501	Merryall	585.28	10.65209 6	1.82%	Slightly	0.82%	4.8
6500-07-1-L1	West Aspetuck	81.85	4.64908	5.68%	Slightly	0.77%	0.63
6500-00-2-R5	West Aspetuck	350.26	5.77929	1.65%	Slightly	0.73%	2.56
8/1/6502	East Aspetuck	374.66	20.41897	5.45%	Slightly	0.71%	2.68
6000-00-4+r40	Housatonic	785.48	41.47334 4	5.28%	Slightly	0.68%	5.32
6600-00-5+L1	Still	485.81	25.79651 1	5.31%	Slightly	0.68%	3.32
6016-00-1-L3	Womenshenuk	10.8	0.57024	5.28%	Slightly	0.68%	0.07
6017-00-1	Morrissey	28.59	1.489539	5.21%	Slightly	0.66%	0.19
6017-00-2-R2	Morrissey	891.49	45.82258 6	5.14%	Slightly	0.65%	5.77
6000-37-1-L1	Housatonic	430.73	21.88108 4	5.08%	Slightly	0.63%	2.73
6000-35-1-L1	Housatonic	403.74	20.22737 4	5.01%	Slightly	0.62%	2.5
6000-27-1	Housatonic	98.77	1.402534	1.42%	Slightly	0.61%	0.6
6501-00-1	Merryall	1078.32	15.20431 2	1.41%	Slightly	0.60%	6.51
6500-00-2-R6	West Aspetuck	976.53	12.98784 9	1.33%	Slightly	0.56%	5.5
6000-00-4+R37	Housatonic	116.47	5.497384	4.72%	Slightly	0.56%	0.65
6700-00-3-R14	Shepaug	20.68	0.231616	1.12%	Slightly	0.46%	0.09
6000-35-1-L3	Housatonic	46.8	0.47268	1.01%	Slightly	0.40%	0.19
5/1/6500	West Aspetuck	250.7	2.28137	0.91%	Slightly	0.36%	0.9
6700-23-2-R1	Shepaug	77.35	0.533715	0.69%	Slightly	0.26%	0.2
6016-03-1-L2	Womenshenuk	124.1	0.84388	0.68%	Slightly	0.25%	0.31
6400-00-1-L2	Candlewood	84.76	0.491608	0.58%	Slightly	0.21%	0.18
6000-31-1-L1	Housatonic	69.79	0.048853	0.07%	Slightly	0.02%	0.01
6000-35-1-L4	Housatonic	4.71	0	0.00%	Slightly	0.00%	0
6017-00-2-R1	Morrissey	14.73	0	0.00%	Slightly	0.00%	0
6500-00-2-R4	West Aspetuck	2.07	0	0.00%	Slightly	0.00%	0
6700-00-3-R10	Shepaug	0.67	0	0.00%	Slightly	0.00%	0
6000-39-1	Housatonic	0.13	0	0.00%	Slightly	0.00%	0