



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

DRAFT 2022 MS4 ANNUAL REPORT

Town of New Milford

February 15, 2023

Tighe & Bond
Engineers | Environmental Specialists



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

DRAFT 2022 MS4 ANNUAL REPORT

Town of New Milford

February 15, 2023

Table of Contents

- Part I: Summary of Minimum Control Measure Activities 1
 - 1. Public Education and Outreach 1
 - 1.1 BMP Summary 1
 - 1.2 Describe any Public Education and Outreach activities planned for the next year, if applicable..... 3
 - 1.3 Details of activities implemented to educate the community on stormwater . 3
 - 2. Public Involvement/Participation 4
 - 2.1 BMP Summary 4
 - 2.2 Describe any Public Involvement/Participation activities planned for the next year, if applicable..... 6
 - 2.3 Public Involvement/Participation reporting metrics 6
 - 3. Illicit Discharge Detection and Elimination 7
 - 3.1 BMP Summary 7
 - 3.2 Describe any IDDE activities planned for the next year, if applicable. 9
 - 3.3 List of citizen reports of suspected illicit discharges received during this reporting period..... 9
 - 3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table. 9
 - 3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information. 11
 - 3.6 Provide a summary of actions taken to address septic failures using the table below. 12
 - 3.7 IDDE reporting metrics..... 12
 - 3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year). 13
 - 4. Construction Site Runoff Control 14
 - 4.1 BMP Summary 14
 - 5. Post-Construction Stormwater Management 18
 - 5.1 BMP Summary 18
 - 5.2 Describe any Post-Construction Stormwater Management activities planned for the next year, if applicable. 20
 - 5.3 Post-Construction Stormwater Management reporting metrics 21
 - 6. Pollution Prevention/Good Housekeeping 22
 - 6.1 BMP Summary 22
 - 6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable. 27

6.3 Pollution Prevention/ Good Housekeeping reporting metrics.....	27
6.4 Catch basin cleaning program	29
6.5 Retrofit program	29
Part II: Impaired waters investigation and monitoring.....	30
1. Impaired waters investigation and monitoring program.....	30
1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution.	30
1.2 Describe program status	30
2. Screening data for outfalls to impaired waterbodies.....	30
3. Follow-up investigations	31
4. Prioritized outfall monitoring	31
Part III: Additional IDDE Program Data.....	32
1. Assessment and Priority Ranking of Catchments Data	32
2. Outfall and Interconnection Screening and Sampling data	33
2.1 Dry weather screening and sampling data from outfalls and interconnections	33
2.2 Wet weather sample and inspection data	34
3. Catchment Investigation Data	34
3.1 System Vulnerability Factor Summary	34
3.2 Key junction manhole dry weather screening and sampling data	35
3.3 Wet weather investigation outfall sampling data	35
3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure.....	35
Part IV: Certification	36

Appendices

Appendix A	Educational Brochures
Appendix B	Stormwater Review Flowchart
Appendix C	DCIA Computations
Appendix D	DCIA Tracking Sheet



MS4 General Permit Town of New Milford 2022 Annual Report

Existing MS4 Permittee
Permit Number GSM 000046
January 1, 2022 – December 31, 2022

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, 2022 to December 31, 2022.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach

MS4 General Permit Section 6(a)(1) / page 19, requires the Town to “implement a public education program to distribute educational materials to the permittee’s community 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	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1.1 Implement public education and outreach	Ongoing (yearly), Complete for 2022	1.1 Implement public education and outreach. The Town Water Smart webpage provides valuable sources and material about MS4. The webpage also provides the most recent Stormwater Management Plan to inform the public. In November 2022, the Town procured the services of an engineering consultant to help strengthen its education program.	Inform the general public about MS4 and water protection.	Director of Public Works	07/01/17	Ongoing	
1.2 Address education/outreach for	Ongoing (yearly),	1.2 Address education/outreach for pollutants of concern. In 2021, the Town completed a restoration project along Great Brook in a partnership with Sustainable New Milford and the	Distribute information on common sources of pollutants and	Director of Public Works	07/01/21	Ongoing	Great Brook Restoration – HVA Website

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
pollutants of concern*	Complete for 2022	<p>Housatonic Valley Association. The Town is considering educational signage.</p> <p>In November 2022, the Town procured the services of an engineering consultant to help strengthen its education program and develop educational materials target at bacteria, impervious cover, nitrogen and phosphorus, illicit discharges and mercury.</p>	how to prevent or reduce the amount reaching the MS4 and discharging into waterways.				
1.3 Establish stormwater page on Town website	Ongoing (yearly), Complete for 2022	<p>1.3 Town stormwater website. The Town also has a link on their website, under the Department of Public Works section, to inform residents on specific stormwater practices, located at: https://www.newmilford.org/content/20744/default.aspx</p> <p>The page can be accessed from the Town's website frontpage as a menu button on the left side of the screen.</p> <p>The materials include:</p> <ul style="list-style-type: none"> • 2017 MS4 Management Plan • MS4 Annual Reports, 2021 • LID for New Milford • Rain gardens • Septic System Maintenance Guide • Lake Lillinonah Authority • WestCOG • Candlewood Lake Authority • Riversmart Connecticut • Housatonic Valley Association • UCONN Nemo 	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.	Director of Public Works	New measure	Ongoing	

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

The following activities are planned for 2023:

1. Develop educational materials for targeted pollutants.
2. Post the material from Item 1 to the Town stormwater website and place on display at Town Hall or other public-facing municipal building.
3. Continue to maintain the Town’s stormwater website.
4. Implement catch basin stenciling program.

1.3 Details of activities implemented to educate the community on stormwater

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Town Website	Town Residents (number of page visitors unknown)	General stormwater management best practices	Bacteria, Nitrogen, Phosphorus (Septic)	DPW

2. Public Involvement/Participation

MS4 General Permit Section 6(a)(2) / page 21, requires the Town to “provide opportunities to engage their community to participate in the review and implementation of the permittee’s Plan.”

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2.1 Comply with public notice requirements for the Stormwater Management Plan and Annual Report	Plan: Complete	<p>2.1a Stormwater Management Plan Notification. The Town published notice on its website regarding availability of the Stormwater Management Plan.</p> <p>No comments were received.</p>	<p>Publish public notice about the MS4 Plan and Annual Report by January 31. Accept public comments for 30 days following the public notice.</p>	Director of Public Works	04/03/17	Completed: 03/15/17	
	Report: Ongoing (yearly), Complete for 2022	<p>2.1b MS4 Annual Report Notice. The Town has posted the 2021 Annual Report at https://www.newmilford.org/filestorage/7526/20746/NM_MS4_Annual_Report_2021_Draft%20C_4-11-2022.pdf</p> <p>The notice for the 2022 Annual Report will be posted by January 31, 2023.</p>			<p>Publish public notice about the MS4 Plan and Annual Report by January 31. Accept public comments for 30 days following the public notice.</p>	02/15/22	
2.2 Partner with local volunteer organizations	Ongoing (yearly), Complete for 2022	<p>2.2 Partner with local volunteer organizations. In 2021, the Town completed a restoration project along Great Brook in a partnership with Sustainable New Milford and the Housatonic Valley Association.</p> <p>The Town also worked with volunteers to remove invasive plants at Native Meadows with Sustainable Connecticut, and earned a certification from the organization: https://www.newmilford.org/filestorage/7526/35379/35377/sustct_review_11-8-</p>	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	Director of Public Works	New measure	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>21_TC_%5BAutosaved%5D.pdf The Town is developing a maintenance plan in coordination with the Audubon Society and the Northwest Conservation District.</p> <p>A Hine Road resident met with the Town to suggest means to improve maintenance on gravel roads to minimize sediment deposition into wetlands. The Town maintains 26 miles of gravel roads and will implement a pilot project in 2023.</p>	implementation and related programs, such as volunteer opportunities and town cleanup days. Engage organizations in plan implementation and programming.				
2.3 Conduct household hazardous waste collection	Ongoing (yearly), Complete for 2022	<p>2.3 Household Hazardous Waste Collection Day. The Town of New Milford held its Household Hazardous Waste Collection Day on October 8, 2022 at the John Pettibone School.</p> <p>Items that collected in the past included antifreeze, fertilizer, transmission fluid, brake fluid, insecticides, weed killers, driveway sealer, art and hobby supplies, artist paints, photo chemicals, household cleaners, lighter fluid, and rubber cement.</p> <p>New Milford residents can also participate in the collection days of other regional municipalities.</p> <p>http://www.NewMilfordct.gov/filestorage/28565/28567/29165/29202/2021_Household_Hazardous_Waste_Day_in_Participating_Communities_.pdf</p>	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.	Director of Public Works	12/31/22	10/08/22	

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

The following activities are planned for 2023:

1. Publish notice of 2022 Annual Report Posting.
2. Provide material/logistical support as needed and available as needed to volunteer groups.
3. Work with volunteer groups to further remove invasive species at Native Meadows, and develop management plan.
4. Develop gravel road management plan and pilot project
5. Conduct Household Hazardous Waste Collection Day.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	03/15/2017	http://NewMilfordct.gov/filestorage/28565/28567/29165/29167/MS4_STORMWATER_MANAGEMENT_PLAN.pdf
Availability of 2021 Annual Report announced to public	Yes	04/01/2022	https://www.newmilford.org/filestorage/7526/20746/MS4_Annual_Report_2021_Draft%2C_4-11-2022.pdf

3. Illicit Discharge Detection and Elimination

Reference: (Section 6(a)(3) and Appendix B / page 22

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3.1 Develop written IDDE program	Complete	3.1 Develop written IDDE program. The Town has finalized its written IDDE plan.	Develop written IDDE Program.	Director of Public Works	07/01/18	Completed: 12/23/22	
3.2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In Progress, 95% complete (quality control in progress)	3.2 Develop list and mapping of stormwater outfalls. The Town is in the process of finalizing its mapping of its stormwater infrastructure in GIS format. The mapping is complete in its draft form and is currently under review by the Department of Public Works. Is list of outfalls available?	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.	Director of Public Works	07/01/19	Projected: 12/31/23	
3.3 Implement citizen reporting program	Ongoing (yearly), Complete for 2022	3.3 Implement citizen reporting program. The Town has developed a procedure for citizen reporting of illicit discharges using the Q-Alert and See-Click-Fix online platform.	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.	Director of Public Works	07/01/17	Completed: 07/01/17	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3.4 Establish legal authority to prohibit illicit discharges	In Progress	3.4 Establish legal authority to prohibit illicit discharges. The Town is reviewing ordinances from other communities throughout the state as a starting point to develop an ordinance, and in 2023 will develop preliminary draft language that will be reviewed by the Town Attorney.	Publish a final copy of the ordinance with approval of all parties involved.	Director of Public Works	07/01/18	Projected: 12/31/23	
3.5 Develop record keeping system for IDDE tracking	Complete	3.5 Develop record keeping system for IDDE tracking. The Town utilizes the “Q-Alert” system which is a customer service and public outreach internet based software package which allows residents to directly report problems. The package also functions as a database to track number of, and response times to, specific 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.	Director of Public Works	07/01/17	Completed: 07/01/17	
3.6 Address IDDE in areas with pollutants of concern	In Progress	3.6 The Town has started to address locations within New Milford at risk of pollution, including Native Meadows and Great Brook, teaming with volunteers to remove trash, and remove invasive species to promote healthy vegetative buffers.	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	Director of Public Works	Not specified	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			anticipated pollutant reduction.				

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

The following actions are planned for 2023:

1. Continue outfall screening and sampling.
2. Continue to utilize online citizen service request form for reporting and tracking illicit discharges.
3. Finalize review of GIS mapping of stormwater infrastructure.
4. Finalize draft illicit discharge ordinance.

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

Date of Report	Location / suspected source	Response taken
		Town to identify two reports.

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

Note: Values in shaded rows were previously reported in 2017, 2018, 2019, and 2020 Annual Reports.

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)

3.6 Provide a summary of actions taken to address septic failures using the table below.

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
XX permits were issued to repair/replace/upgrade septic systems in New Milford during 2022.		

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	XXX
Estimated or actual number of interconnections	XXX
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%

3.8 Briefly describe the IDDE training for employees involved in carrying out IDDE tasks including what type of training is provided and how often is it given (minimum once per year).

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.

4. Construction Site Runoff Control

Reference: Section 6(a)(4) / page 25

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4.1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Ongoing, Complete for 2022	4.1a 2002 Connecticut Sediment and Erosion Control Guidelines. Chapter 175-020-3.1 of the New Milford Zoning Regulations require that developers, construction site operators, or contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sedimentation Control</i> , 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 Director	07/01/19	Completed: 12/31/18	
4.2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing, Complete for 2022	4.2 Develop Interdepartmental coordination plan. The Town has a coordinated permitting process that is managed through ViewPermit software. A flow chart of the Interdepartmental Coordination process is included in Appendix B .	Develop and follow an Interdepartmental Coordination Plan for the management of stormwater quality	Planning & Zoning Director	07/01/17	Ongoing	
4.3 Review site plans for stormwater quality concerns	Ongoing, Complete for 2022	4.3 Site plan review process. Procedures for site plan review that incorporate consideration of potential water quality	Review and update, if needed, the Town site review and inspection process by July 1, 2017.	Planning & Zoning Director	07/01/17	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		<p>impacts are utilized by the Town.</p> <p>All development activity is subject to the submittal of a site plan and the issuance of a Zoning Permit. Included in the site plan application requirements are a Soil Erosion and Sediment Control Plan, and a Stormwater Management Plan.</p>	Continue the review and inspection process throughout the duration of the permit.				
4.4 Conduct site inspections	Ongoing, Complete for 2022	<p>4.4 Site inspections. Currently, the Town performs site inspections as required by application approval conditions.</p> <p>The Commission may require the permittee to verify through progress reports that soil erosion and sediment control measures and facilities have been performed or installed according to the certified plan and are being operated and maintained.</p>	Evaluate and update draft standard condition of approval. Inventory privately-owned retention and detention ponds, and other stormwater basins that discharge to/receive drainage from the Town's MS4.	Planning & Zoning Director	07/01/19	Completed: 07/01/17	
4.5 Implement procedure to allow public comment on site development	Complete	<p>4.5 Online notification system. The Town utilizes a Q-Alert system where residents can report issues to be investigated.</p> <p>Additionally, the public has the ability to comment on land use applications</p>	Develop and implement written procedure for collecting and reviewing citizen feedback regarding proposed and ongoing land disturbance and	Planning & Zoning Director	07/01/17	Completed: 07/01/17	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		subject to the public hearing process.	development activities.				
4.6 Implement procedure to notify developers about DEEP construction stormwater permit	Ongoing, Complete for 2022	4.6 Standard condition of approval regarding Construction General Permit. 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 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.	Evaluate the procedure for notifying developers or contractors about the potential need for DEEP's General Permit by July 1, 2017, and modify as needed to meet 2017 MS4 goal. Continue to provide notification throughout the permit term.	Planning & Zoning Director	07/01/17	Completed: 07/01/21	

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

The following activities are planned for 2023:

1. Continue to enforce existing sediment and erosion control regulations.
2. Continue to utilize the Q-Alert system to track citizen reports and concerns.
3. Formalize existing practices into Interdepartmental coordination plan.
4. Continue site review process, including requiring operation and maintenance programs.
5. Continue site inspection program.
6. Coordinate with interconnected MS4s.
7. Continue notification to applicants of their potential obligation to register for the Construction General Permit.

5. Post-Construction Stormwater Management

Reference: Section 6(a)(5) / page 27

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.1 Evaluate and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	In Progress	5.1 Evaluate existing regulations for LID stormwater practices. 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 relevant ordinances, regulations and procedures.	Planning & Zoning Director	07/01/22	Projected: 07/01/23	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing	5.2 Enforce LID requirements. The Town continues to enforce the Stormwater Management requirements included in the Town Zoning Regulations. All projects require some form of stormwater management.	Update or develop regulations and/or design guidelines that require developers/contractors to first consider implementation of LID/runoff reduction measures for development and redevelopment projects in the Town as specified in the MS4 permit.	Planning & Zoning Director	07/01/22	Ongoing	
5.3 Identify retention and detention ponds in priority areas	In progress		Identify retention and detention ponds in priority areas.	Planning & Zoning Director	07/01/22	Projected: 07/01/22	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.4 Implement long-term maintenance plan for stormwater basins and treatment structures	Ongoing, Complete for 2021	<p>5.4 Detention/retention system maintenance. The Planning and Zoning regulations require owners to maintain their stormwater treatment practices so that they do not become nuisances.</p> <p>The Town is currently working on cleaning Town-owned basins, removing invasive vegetation from them first, and then removing sediment.</p>	Prepare draft condition of approval for inspection access. Require operation and maintenance plans.	Planning & Zoning Director	07/01/22	Projected: 12/31/2023	
5.5 DCIA mapping	Complete	<p>5.5 DCIA Mapping. The Town will utilize the state's impervious coverage mapping, and then modify based on the Sutherland equations. The Town estimates that there is 1,105.97 acres of DCIA in the Town. Refer to computations in Appendix C.</p>	Calculate the DCIA that contributes stormwater runoff to each MS4 outfall by July 1, 2020, and update calculations as DCIA is added or removed within the Town.	Director of Public Works	07/01/20	Completed: 02/10/2023	
5.6 Address post-construction issues in areas with pollutants of concern	Ongoing, Complete for 2022	<p>5.6 Post Construction Erosion and Sediment. 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.</p>	<p>As issues arise on publicly owned property, work is done in-house to correct the issue to the extent practicable. Otherwise, it is incorporated into a listing of projects.</p> <p>On privately owned land, typically a wetlands violation notice will be issued.</p>	Director of Public Works	Not specified	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.7 Turf reduction	Complete	5.7 Turf reduction. The Town's wetland regulations require applicants to preserve as much of the natural buffer as possible.	Review need for requirements for turf reduction	Parks and Recreation Director	07/01/18	Complete: 07/01/17	
5.8 Require consistency with the 2004 Connecticut Stormwater Quality Manual	Complete	5.8 Require consistency with the 2004 Connecticut Stormwater Quality Manual. 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.	Director of Public Works	07/01/18	Complete: 07/01/17	
5.9 Coordination with Local Health Department	Ongoing, Complete for 2022	5.9 Coordination with Local Health Department. The local Health Department is included on application reviews as warranted.	Continue actively coordinating with local Health Department on MS4 Plan requirements.	Director of Public Works	07/01/18	Complete: 12/31/2022	

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

The following activities are proposed for 2023:

1. Evaluate modification of stormwater management regulations to align LID requirements with MS4 General Permit.
2. Identify public and private retention/detention ponds in priority areas.
3. Prepare draft condition allowing town access to new detention/retention ponds.
4. Address post-construction sediment and erosion control issues as they occur.
5. Continue to encourage preservation and enhancement of natural buffers.
6. Continue to require consistency with the 2004 Stormwater Quality Manual.
7. Continue to coordinate application reviews with the local Health Department.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	1,105.97 acres
DCIA disconnected (redevelopment plus retrofits)	TBD
Retrofits completed	0
DCIA disconnected	TBD acres
Estimated cost of retrofits	\$0 (all private projects)
Detention or retention ponds identified	TBD

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

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

6. Pollution Prevention/Good Housekeeping

Reference: Section 6(a)(6) / page 31

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.1 Develop/implement formal employee training program	Ongoing, Complete for 2022	6.1 Develop formal training program. 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.	Update training program as needed, incorporate MS4 topics into the annual training program already done as part of the Industrial Stormwater Permit.	Director of Public Works	Due: 07/01/19	Completed: 04/23/2021	
6.2 Implement MS4 property and operations maintenance	Ongoing, Complete for 2020	<p>6.2a Liquid Containment and Handling. 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>6.2b Town Vehicle Washing. The Town continues to use a wash bay at its public works garage that discharges to a separator before the sanitary sewer..</p> <p>6.2c Town Facilities Sweeping. Town-owned facilities are swept a minimum of once per year, and on an as-needed basis.</p>	Ensure the petroleum and non-petroleum products at its facilities are properly handled via employee education and training. Develop and implement (i) Spill Prevention Plans at facilities as appropriate, (ii) management procedures for waste management equipment, and (iii) plans to sweep parking lots and keep facilities and their surrounding areas clean. Evaluate impacts of vehicle wash areas at public facilities, and develop best management practices to mitigate their impacts on water quality.	Director of Public Works	Due: 07/01/19	Completed: 12/31/2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.3 Implement coordination with interconnected MS4s	Ongoing	6.3 Coordinate with interconnected MS4s. The Town will identify locations where its storm drainage system ties into CTDOT's drainage system.	Coordinate municipal operations with adjoining MS4s.	Director of Public Works	Not specified	Ongoing	
6.4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing	6.4 Identify non-registered facilities that may be contributors. 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. 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.	Review stormwater general permit registrant list and identify potential contributing facilities not on the list. Compare locations of potential contributors to screening and monitoring results to determine if further investigation is warranted.	Director of Public Works	Not specified	Projected: 12/31/2023	
6.5 Evaluate additional measures for discharges to impaired waters*	Please refer to BMP 6.13, 6.14 and 6.15 for additional detail. 6.5 Evaluate additional measures for discharges to impaired waters*						
6.6 Track projects that disconnect DCIA	Ongoing	6.6 Track DCIA coverage. 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 acreage, identifying DCIA credit eligible sites constructed within the preceding 5 years.	Director of Public Works	07/01/17	Ongoing	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		Please refer to the tracking spreadsheet in Appendix D .					
6.7 Implement infrastructure repair/rehab program	Complete	6.7 Implement infrastructure repair/ rehab program. The Town has a list of projects and reviews them periodically, adding projects or reprioritizing them. The Town will continue this list.	Prepare draft internal policy on MS4 infrastructure repair, rehabilitation, and retrofits.	Director of Public Works	07/01/21	Ongoing	
6.8 Develop/implement plan to identify/prioritize retrofit projects	Complete	6.8 Implement plans based upon data from previous MS4 permit. The work conducted under the pervious MS4 permit did not indicate any problems with the Town's MS4 infrastructure that required retrofit.	Identify required repairs based on data from previous permit and prepare inventory. Make repairs as funding becomes available.	Director of Public Works	07/01/20	Complete: 07/01/17	
6.9 Implement retrofit projects to disconnect 2% of DCIA	Not started	6.9 Implement retrofit projects to disconnect 2% of DCIA. 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.	Director of Public Works	07/01/22	Projected: 12/31/22	
6.10 Develop/implement street sweeping program	Ongoing, Complete for 2022	6.10 Street sweeping program. The Town sweeps all its streets on an annual basis.	Develop and implement a procedure for identifying targeted areas for additional street sweeping. Establish a schedule for street sweeping to ensure minimum frequency is met for	Director of Public Works	12/31/22	Ongoing, Complete for 2022	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			areas inside and outside areas with DCIA greater than 11% and/or in the Urbanized Area. Document results of sweeping program.				
6.11 Develop/implement catch basin cleaning program	Ongoing, Complete for 2022	6.11 Catch basin cleaning. Approximately 2,281 catch basins were cleaned in 2022. 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. 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.	Director of Public Works	12/31/22	Ongoing, complete for 2022	
6.12 Develop/implement snow management practices	Ongoing	6.12 Snow management practices. 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 no sand on its paved roadways.	Develop and implement a written snow and ice management plan, including protocols for staff training and record maintenance and updated standard operating practices. Provide appropriate secondary containment for any exterior containers of liquid deicing materials. Update the Annual Report with required information on the snow and ice program.	Director of Public Works	07/01/19	Complete: 07/01/21	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.13 Parks and Open Space Management	Ongoing	<p>6.13 Parks and Open Space Management. 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. Typically, a single application in the Spring is all that is done.</p> <p>Pesticides are not used.</p>	Continue implementing procedures for fertilizer application and disposal of grass clippings and leaves for lands that are the legal responsibility of the Town.	Director of Parks and Recreation	07/01/18	Ongoing	
6-14 Pet waste management	Complete	<p>6.14 Pet waste management. The Town has also installed pet waste collection bags, dispensers, and waste receptacles throughout the parks system.</p>	Identify locations with the town where pet waste threatens receiving water quality.	Director of Parks and Recreation	07/01/18	Completed: 07/01/17	
6.14 Waterfowl management	Ongoing	<p>6.14 Waterfowl Management. 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>	Identify waterfowl congregation areas.	Director of Parks and Recreation	07/01/18	Ongoing	
6.16 Mitigate Stormwater Quality Impacts of Town-Owned Vehicles and Equipment	Complete	<p>6.15 Town vehicle maintenance and washing. All Town of New Milford vehicles are washed at a commercial car wash facility where feasible (applies to passenger cars/pickup trucks that can fit). Larger vehicles are washed at the Town garage.</p>	Review existing operations and maintenance procedures for Town facilities, and update if the vehicle fueling/washing provisions have not been included.	Director of Public Works	07/01/18	Completed: 07/01/18	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-16 Leaf management	Ongoing	6.16 Scheduled leaf pick up: New Milford residents has an arrangement with a private contractor where residents can take brush and leaves.	Continue to implement Town-wide leaf management program.	Director of Public Works	12/31/18	Ongoing, complete for 2022.	

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

Activities proposed for 2023 include:

1. Continue employee training programs.
2. Continue to institute requirements of the Industrial general Permit SWPPP.
3. Identify interconnected MS4s.
4. Identify potential contributors from General Permit non-registrants.
5. Track DCIA disconnection.
6. Continue existing infrastructure repair policies.
7. Perform infrastructure repairs as needed and as funding is available.
8. Continue street sweeping program.
9. Continue catch basin cleaning program.
10. Continue snow management practices.
11. Continue to optimize fertilizers on town properties.
12. Continue prohibition on dogs from town parks.
13. Identify need for signage to discourage feeding of waterfowl.
14. Continue to maintain and wash Town vehicles in accordance with the Industrial General Permit.
15. Continue leaf management policy.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	04/23/2021
Street sweeping	

Metrics	
Curb miles swept	362 curb-miles (estimated)
Volume (or mass) of material collected	319 cy
Catch basin cleaning	
Total catch basins in priority areas	~ 300
Total catch basins in MS4	~ 3,000
Catch basins inspected	694
Catch basins cleaned	694
Volume (or mass) of material removed from all catch basins	231 cy
Volume removed from catch basins to impaired waters (if known)	23 cy
Snow management	
Type(s) of deicing material used	Salt
Total amount of each deicing material applied	566.31 tons
Type(s) of deicing equipment used	Trucks and spreaders
Lane-miles treated	162 miles
Snow disposal location	In-situ, no hauling except in emergency
Staff training provided on application methods & equipment	Yes, November 19, 2020
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	0 lbs.
Reduction in turf area (since start of permit)	2.64 acres
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

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule.

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, with a goal of cleaning all catch basins in the system at least once per year.

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. [Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]

Projects are identified on an as-needed basis, and implemented based upon perceived benefit or potential impact to water quality. In 2022, began cleaning out Town-owned stormwater detention pond. 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 in future years. [Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]

The retrofit program will continue to proceed on an as-needed basis, 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.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. [Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]

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

1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution.

This data is available on the MS4 map viewer: <http://s.uconn.edu/ctms4map>.

Nitrogen/ Phosphorus Bacteria Mercury Other Pollutant of Concern

1.2 Describe program status

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

The Town is exploring engaging a consultant for impaired waters screening, which is anticipated to take place in 2023.

2. Screening data for outfalls to impaired waterbodies

Reference: 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, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required?
------------	-------------	---	---------	------------------------------	---------------------

3. Follow-up investigations

Reference: 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

4. Prioritized outfall monitoring

Reference: 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, 2021.

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

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments Data

Reference: Appendix B (A)(7)(c) / page 5

Provide a list of all catchments with ranking results (DEEP basins may be used instead of manual catchment delineations).

(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank
6000-00-4+R36	Low Priority	1
6000-28-2-R1	Low Priority	2
6600-12-1	Low Priority	3
6700-30-1	Low Priority	4
6000-37-1	Low Priority	5
6000-00-4+R37	Low Priority	6
6000-00-4+R38	Low Priority	7
6600-00-4-R7	Low Priority	8
6600-00-4-R8	Low Priority	9
6600-00-4-R6	Low Priority	10
6600-00-5+L1	Low Priority	11
6000-00+4+R41	Low Priority	12
6000-00-4+r40	Low Priority	13
6000-00-4+R35	Low Priority	14
6000-30-1	Low Priority	15
6000-00-4+r39	Low Priority	16
6000-00-4+R34	Low Priority	17
6600-11-1	Low Priority	18
6400-00-1-L5	Low Priority	19
6000-00-4+R44	Low Priority	20
6000-00-4+R45	Low Priority	21
6000-00-4+R46	Low Priority	22
6500-00-3-R2	Low Priority	23
6000-34-2-R1	Low Priority	24
6000-00-4+R43	Low Priority	25

(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank
6000-35-1-L1	Low Priority	44
6500-00-3-R1	Low Priority	45
6000-32-1	Low Priority	46
6000-35-1	Low Priority	47
6016-00-2-R1	Low Priority	48
6500-00-2-R7	Low Priority	49
6700-20-1	Low Priority	50
6501-00-2-R1	Low Priority	51
6502-09-1	Low Priority	52
6700-24-1	Low Priority	53
6500-00-2-R8	Low Priority	54
6700-23-1	Low Priority	55
6400-00-1*	Low Priority	56
6016-00-1*	Low Priority	57
6700-22-1	Low Priority	58
6700-00-3-R12	Low Priority	59
6000-33-1	Low Priority	60
6500-08-1	Low Priority	61
6700-20-2-R1	Low Priority	62
6017-02-1	Low Priority	63
6500-06-1	Low Priority	64
6700-20-2-R2	Low Priority	65
6016-00-3*	Low Priority	66
6700-00-3-R11	Low Priority	67
6000-28-1	Low Priority	68

(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank
6500-00-3-R1	Low Priority	26
6000-36-1	Low Priority	27
6000-31-1	Low Priority	28
6000-00-4+R43	Low Priority	29
6000-34-1	Low Priority	30
6502-00-2-R5	Low Priority	31
6000-36-1-L1	Low Priority	32
6700-31-1	Low Priority	33
6000-35-1-L2	Low Priority	34
6500-00-3-R1	Low Priority	35
6502-00-2-R3	Low Priority	36
6052-00-2-R4	Low Priority	37
6500-07-1-L1	Low Priority	38
6502-08-1	Low Priority	39
6016-00-1-L3	Low Priority	40
6017-00-1	Low Priority	41
6017-00-2-R2	Low Priority	42
6000-37-1-L1	Low Priority	43

(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank
6500-07-1	Low Priority	69
6501-01-1	Low Priority	70
6500-00-2-R5	Low Priority	71
6000-27-1	Low Priority	72
6501-00-1	Low Priority	73
6500-00-2-R6	Low Priority	74
6700-00-3-R14	Low Priority	75
6000-35-1-L3	Low Priority	76
6500-05-1	Low Priority	77
6700-23-2-R1	Low Priority	78
6016-03-1-L2	Low Priority	79
6400-00-1-L2	Low Priority	80
6000-31-1-L1	Low Priority	81
6000-35-1-L4	Low Priority	82
6600-12-1-L1	Low Priority	83
6017-00-2-R1	Excluded	84
6500-00-2-R4	Excluded	85
6700-00-3-R10	Excluded	86
6000-39-1	Excluded	87

2. Outfall and Interconnection Screening and Sampling data

Reference: Appendix B (A)(7)(d) / page 7

2.1 Dry weather screening and sampling data from outfalls and interconnections

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

Outfall / Interconnection ID	Screening / sample date	Ammonia (mg/L)	Chlorine (mg/L)	Conductivity (µmhos/cm)	Salinity (ppt)	E. coli or enterococcus (col/100 mL)	Surfactants (mg/L)	Water Temp (F)	Pollutant of concern	If required, follow- up actions taken
------------------------------------	-------------------------------	-------------------	--------------------	----------------------------	-------------------	--	-----------------------	----------------------	----------------------------	--

2.2 Wet weather sample and inspection data

Provide sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor.

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

3. Catchment Investigation Data

Reference: Appendix B (A)(7)(e) / page 9

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e. categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
------------	-----------------	------------------------------

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.

2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather 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

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

3.3 Wet weather investigation outfall sampling data

Outfall ID	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: Peter Bass, Mayor	Print name: Joseph Canas, PE, LEED AP, CFM Principal Engineer
Signature / Date:	Signature / Date:

Tighe&Bond

APPENDIX A



MERCURY AND STORMWATER

Mercury, when disposed improperly is washed off by stormwater into our lakes and streams. When mercury is deposited in lakes or waterways, bacteria convert it to methylmercury. Methylmercury contaminates the food chain and builds up in the tissue of fish and wildlife and humans who eat the fish.

USE CAUTION AROUND MERCURY

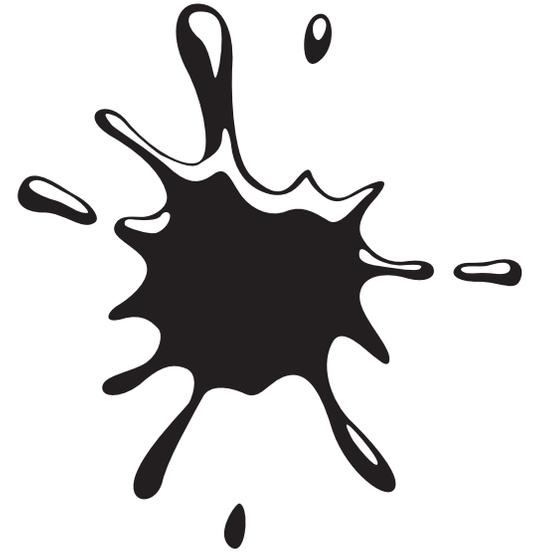
- Never break open products that contain mercury.
- Do not pour mercury down the drain.
- Never burn mercury-containing products.
- Do not put mercury-containing products in the trash.
- Always properly recycle mercury-containing products at a household hazardous waste collection.

Learn more about New Milford's Stormwater Management Program

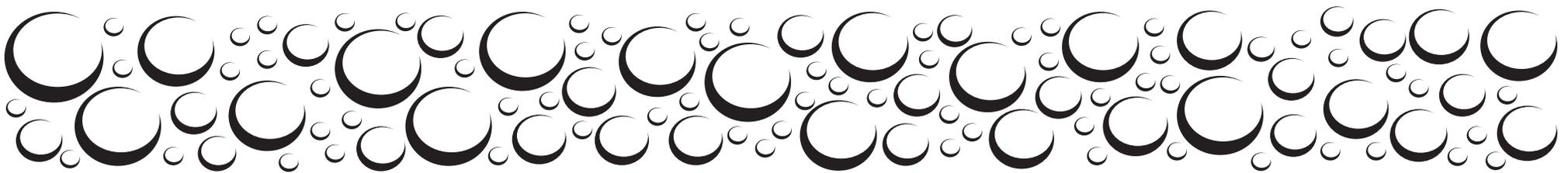


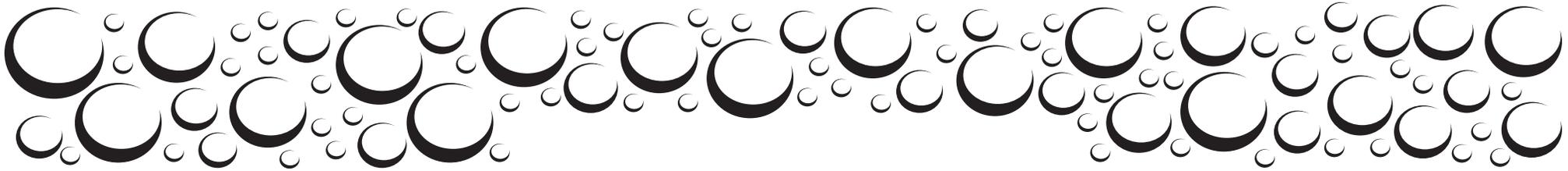
Town of New Milford
Department of Public Works
6 Young's Field Road
New Milford, CT 06776

KEEPING THE Hg OUT OF OUR H₂O



**A GUIDE TO PREVENTING MERCURY
POLLUTION IN OUR WATER**





MERCURY AND HOW IT GETS INTO THE ENVIRONMENT

Mercury (Chemical Symbol Hg) is a silver colored liquid metal that has many industrial applications. Mercury is also toxic, and becomes dangerous when it comes in contact with the air and vaporizes.

WHY IS MERCURY A HEALTH PROBLEM?

- You can't see or smell mercury vapor from a spill, but it can still poison you.
- Children under the age of 6 and women who are pregnant or planning to get pregnant are most at risk to the health effects of mercury exposure.
- Eating fish contaminated by mercury can be dangerous to your health.
- Short-term high levels of exposure can cause headaches, lung damage, nausea, vomiting, skin rashes, diarrhea, increases in blood pressure and heart rate.
- Long-term high levels of exposure can lead to permanent damage to the brain, kidneys, and developing fetus.

HOUSEHOLD ITEMS THAT MAY CONTAIN MERCURY

Thermometers - *typically contain about ½ gram of this silver colored liquid (non-mercury alternatives are available).*

Thermostats - *inside the sealed glass "tilt switch" (not the newer electronic kind).*

Gauges - *barometers, manometers, blood pressure and vacuum gauges ONLY with silver colored liquid*

Electrical switches and relays - *typically contain about 3.5 grams of mercury in SOME chest freezers, pre-1972 washing machines, sump pumps, electric space heaters, clothes irons, silent light switches and automatic car hood & trunk lights.*

Some athletic shoes (made before 1997 ONLY) *with flashing lights in soles.*

Vintage toys & games - *toy drawing screens and mercury maze games.*

Fluorescent bulbs and other mercury vapor lighting - *HID (high intensity discharge), metal halide, high pressure sodium and neon bulbs.*

These items may be accepted at the Town's Household Hazardous Waste Collection Day.

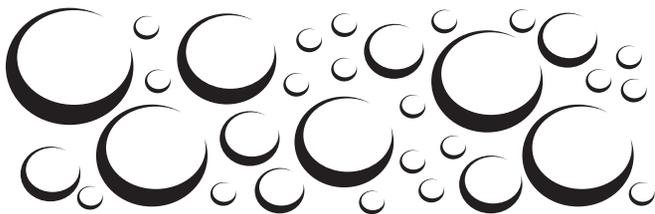
KEEPING THE Hg OUT OF OUR H₂O

In 2013, mercury thermostat collection legislation was passed in Connecticut requiring thermostat manufacturers to establish collection programs for contractor and consumer-generated mercury thermostats. The legislation also requires all HVAC wholesale distributors with facilities in Connecticut to act as a collection point for waste mercury thermostats.

IT IS ILLEGAL TO DISPOSE MERCURY THERMOSTATS IN SOLID WASTE IN CONNECTICUT. HVAC CONTRACTORS MUST RECYCLE ALL MERCURY THERMOSTATS THEY REMOVE FROM SERVICE. IT IS ILLEGAL TO LEAVE THEM AT THE CUSTOMER'S PREMISE. TRC IS THE EASIEST AND CHEAPEST WAY TO COMPLY WITH CONNECTICUT LAW.

Bring your mercury-containing thermostat to any authorized collection location for proper disposal. To locate a collection point, please use the search tool on the website:

<http://thermostat-recycle.org>.





WHAT'S THE PROBLEM?

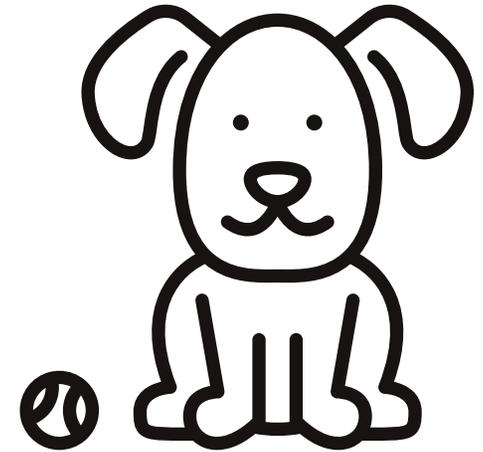
Picking up after your pet isn't just a courtesy for those walking behind you; it is also the healthy and environmentally sound thing to do. Pet waste can be a significant source of water pollution. When pet waste is not properly disposed, it can be carried by rain or snow runoff directly into nearby waterbodies or into storm drains. Storm drains in streets and neighborhoods usually flow directly to a stream, river, or estuary without any treatment. Untreated animal fecal matter and wastes can become a source of harmful bacteria and nutrients in water. Just as we don't want human sewage in our water, it is important to prevent pet waste from being carried into our waterways because of negligence.

Learn more about New Milford's Stormwater Management Program



Town of New Milford
Department of Public Works
6 Young's Field Road
New Milford, CT 06776

DON'T LET OUR WATER QUALITY GO TO THE DOGS



A PET OWNER'S GUIDE TO MANAGING PET WASTE





WHAT CAN YOU DO?

Pet waste should never enter storm drains and surface water. Pet owners are required to pick up after pets when away from their property, and to pick up waste from their property if it attracts flies and can pose a health risk. Fortunately, there are actions pet owners can take to help keep our water clean:

Pick up pet waste from your yard. It is not a fertilizer.

Bring It. Carry disposable bags while walking your dog to pick up and dispose of waste properly.

Bag It. Use the disposable bag as a glove to pick up the waste. Scoop it up and then turn the bag inside out around the waste.

Toss It. If you dispose of pet waste in the trash, wrap it carefully to avoid spillage during collection. You can also flush your pet's unbagged waste down the toilet, so it can be treated at a sewage treatment plant. If your yard is large enough, you can bury the pet waste in your yard, at least 12 inches deep and cover with at least eight inches of soil to let it decompose slowly. Bury the waste in several different locations and keep it away from vegetable gardens.

DO NOT place the bagged or un-bagged pet waste in a storm drain or hose the pet waste towards storm drains as they drain directly to a stream, river, lake or other waterbody.

FACTS ABOUT PET WASTE

When you fail to clean up after your pet, the poop left on sidewalks and lawns is both unpleasant and a nuisance. But it can become an even bigger problem when it rains. Stormwater carries pet waste into nearby rivers, lakes and streams, creating a health hazard for people and doing a lot of damage to the environment:

- A single gram of pet waste contains an average of 23 million fecal coliform bacteria, some of which cause diseases in humans.
- Waters that contain high levels of bacteria and other pathogens from animal waste are unfit for human contact.
- As pet waste decays, it uses up oxygen that fish and aquatic life need.
- Pet waste contains nutrients that can cause excessive algae growth in a river or lake, upsetting the natural balance.

HANDY TIPS

Put bags in the car or tie them to the leash, so you'll be prepared when you travel with your pet.

Place bags by the door so you don't forget them.

Talk to your family and friends about stormwater pollution and picking up after their pets!

Make use of "pet waste stations" in your neighborhood or local park.



DON'T LET OUR WATER QUALITY GO TO THE DOGS

Additional landscaping tips for cleaner water

- Plant native vegetative buffers along streams and drainage pathways
- Compost or mulch leaves and yard debris rather than hauling it away
- Direct downspouts away from driveways or storm drains, or install rain barrels to collect roof runoff
- Maintain septic systems to prevent failure and inspect every 3 years
- Sweep up litter and debris from driveways rather than hosing debris into storm drains
- Mow your lawn so no more than one third of the length of the grass is removed.
- Consider using bricks, flagstone, gravel, and other porous materials instead of pavement or concrete



Find out more about New Milford's Stormwater Management Program



Town of New Milford
Department of Public Works
6 Youngs Field Road
New Milford, CT 06776

(860) 355-6040
public_works@newmilford.org

Clean Water Begins with YOU!



Nutrient Management for a Healthier Lawn and Environment

Why Stormwater Pollution Matters

What is Stormwater?

Stormwater is water from rain or melting snow that does not soak into the ground. It flows from rooftops, over paved areas, bare soil, and sloped lawns. As it flows, stormwater runoff collects and transports soil, pet waste, salt, pesticides, fertilizers, oil and grease, debris and other potential pollutants.

What is the Problem?

Rain and snowmelt wash pollutants from streets, construction sites, and land into storm sewers and ditches. Eventually, the storm sewers and ditches empty the polluted stormwater directly into streams and rivers with no treatment. This is known as stormwater pollution. Polluted stormwater degrades our lakes, rivers, wetlands and other waterways. Nutrients such as phosphorous and nitrogen, which are present in lawn fertilizers, can cause the overgrowth of algae resulting in oxygen depletion in waterways.

Lawn Care Best Management Practices

Cover and contain topsoil and mulch during installation. Wind and rain can transport this material from your yard into nearby lakes and streams, where it reduces aquatic habitat and promotes unwanted weed and algae growth.

Never apply fertilizer before a rainstorm. Heavy rainfall can cause excess fertilizer to flow into the storm sewer system and end up in local lakes and streams. Save time and money by applying a slowrelease fertilizer in the early spring and allowing time for gradual soil infiltration. Plant vegetated filter areas or swales to trap pollutants along streets and driveways

Leave the clippings on the lawn after mowing. This will save time and money and will promote a healthy turf. Grass clippings return organic matter, nitrogen, phosphorus, and other nutrients to your lawn, thereby reducing the need for fertilizer applications throughout the summer. Studies have shown that grass recycling reduces the need for fertilizer by 25%. If the grass gets too high, then mow over the clippings to shred and scatter them. Do not drain swimming pools to storm drains.

Limit your use of pesticides. Inappropriate use of pesticides can harm humans, pets, and the environment. Use alternatives (biological controls) whenever possible to tackle problems with weeds and insects. If pesticides are used, carefully follow the recommended timing, frequency, and application rates found on the container.

Lawn fertilizer: Less is more

Lawns require nutrients in fertilizer to stay green and healthy. When too much fertilizer is applied, it can wash off during rain events. The nutrients then flow into storm drains, and into watercourses where they become an energy source for algae and aquatic weeds.

Anything applied to the lawn can potentially contaminate surface and ground waters. However, you can minimize the risk posed to our wetlands and watercourses by following these Best Management Practices:

- Save the environment and money! Measure the surface area of your lawn to determine how much product to apply.
- Don't overload your lawn with nutrients. Apply only in amounts prescribed by the manufacturer. Anything more will damage your lawn and waste your money.
- Use proper spray notification signage and comply with neighbor notification regulations.
- Avoid using chemicals near waterways or storm drains
- Dispose of unused or excess pesticides in accordance with CTDEEP and US EPA regulations
- Clean up spills immediately and properly dispose of cleanup materials
- Avoid spraying in windy conditions or when rain is forecast



Consider using spreaders equipped with edge guards to provide additional control and avoid casting fertilizers onto paved surfaces



Reducing turfed areas in favor of native plantings will reduce fertilizer and pesticide demands and improve stormwater quality.

What is an impervious surface?

An Impervious Surface is a created surface, such as brick, stone, concrete or asphalt, placed on the land to facilitate passage, for recreation purposes or decoration. Retaining walls are included as an impervious surface. Examples of impervious surfaces are patios, swimming pools, sidewalks, buildings, tennis courts, driveways, etc.

Why regulate impervious coverage?

As more land is covered with buildings and pavement, water runoff can cause drainage problems on your property and to neighboring properties, and worsen stream water quality.

Did you know?

Studies indicate that that runoff from urbanized areas is the leading source of water quality impairments

New Milford regulates impervious coverage

Due to the impacts of impervious coverage, New Milford limits the amount of impervious cover depending on the property's size and zone.

Where impervious areas are proposed, additional stormwater management measures may be required to ensure no increase in peak runoff from the site. Refer to the Town's Zoning Regulations for more information.



Town of New Milford
Department of Public Works
6 Youngs Field Road
New Milford, CT 06776

Minimizing Impervious Coverage



A Homeowner's Guide to Understanding the Challenge of Impervious Surfaces

Minimize

Develop alternatives to areas traditionally covered by impervious surfaces. Porous pavement materials are available for driveways and sidewalks, and native vegetation and mulch can replace high maintenance grass lawns.

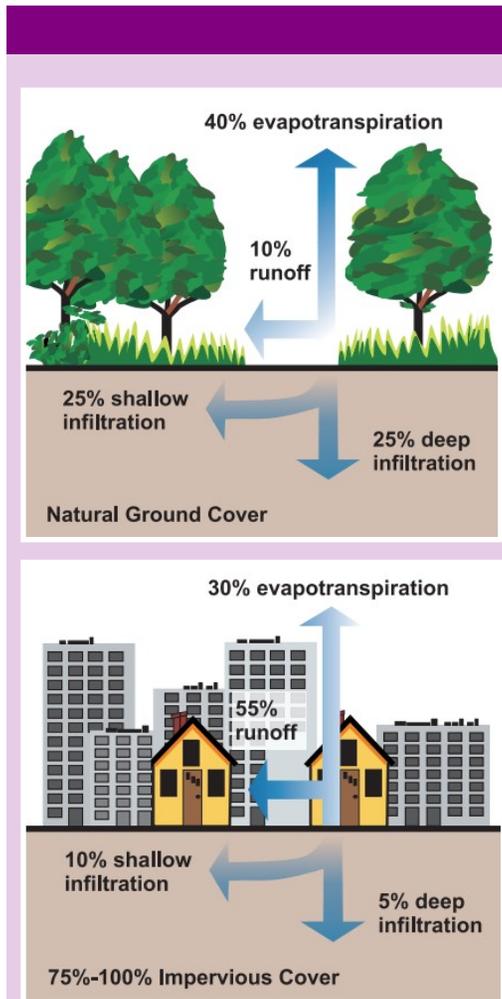
Mitigate

Forms of stormwater management, such as detention ponds, rain gardens and infiltration chambers, are frequently used to mitigate the impacts of impervious surfaces in existing and new developments.

Maintain

It is important to maintain the existing impervious cover in a way that encourages the flow of the runoff through the stormwater system and reduces the pollutant loads in that runoff. Clear trash and debris from paved surfaces. Promote flow through the system while providing stormwater treatment for trash, litter, coarse sediment, oil, and other debris before the runoff proceeds through the system.

Drainage systems are a critical, but often overlooked, element of impervious surfaces. Look for leaves and debris in basin sumps and clean those out. Also look at the outlet of the drainage system, and be sure that it is clear of obstruction, and that there are no signs of erosion.



Impervious cover reduces the amount of rainfall that infiltrates into the ground, reducing the ability of groundwater to recharge.

Did you know?

Due to impervious surfaces like pavement and rooftops, a typical city block generates 5 times more runoff than a woodland area of the same size

Increased Pollutant Loads

Impervious surfaces, because they don't allow stormwater to infiltrate into the ground, increase the variety and amount of pollutants carried into streams, rivers, and lakes.

The pollutants include:

- Sediment
- Oil, grease, and toxic chemicals from motor vehicles
- Pesticides and nutrients from lawns and gardens
- Viruses, bacteria, and nutrients from pet waste
- Road salts
- Heavy metals from galvanized metals, motor vehicles, and other sources
- Thermal pollution from dark impervious surfaces such as streets and rooftops

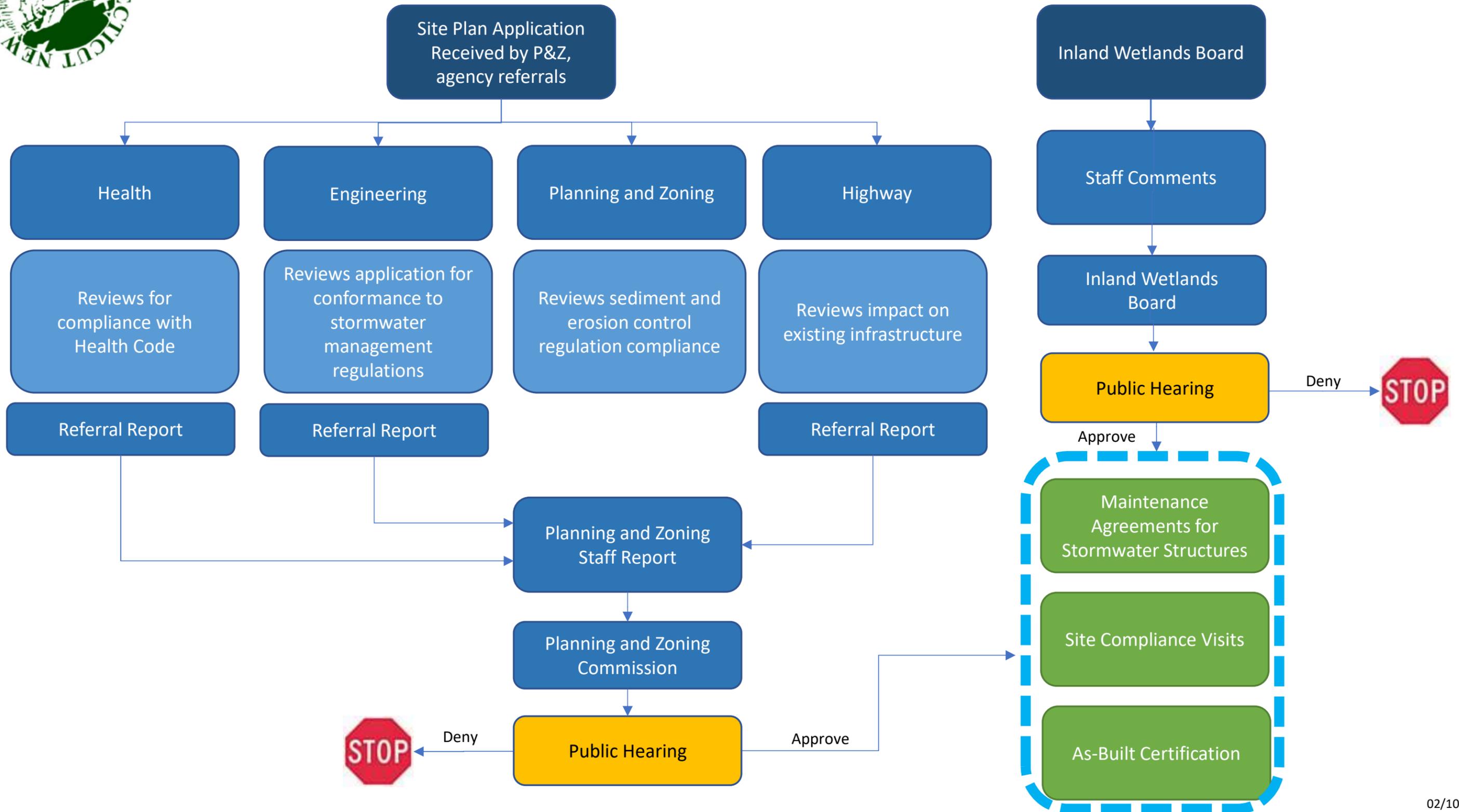
These pollutants can harm fish and wildlife populations, kill native vegetation, foul drinking water supplies, and make recreational areas unsafe and unpleasant.

Tighe&Bond

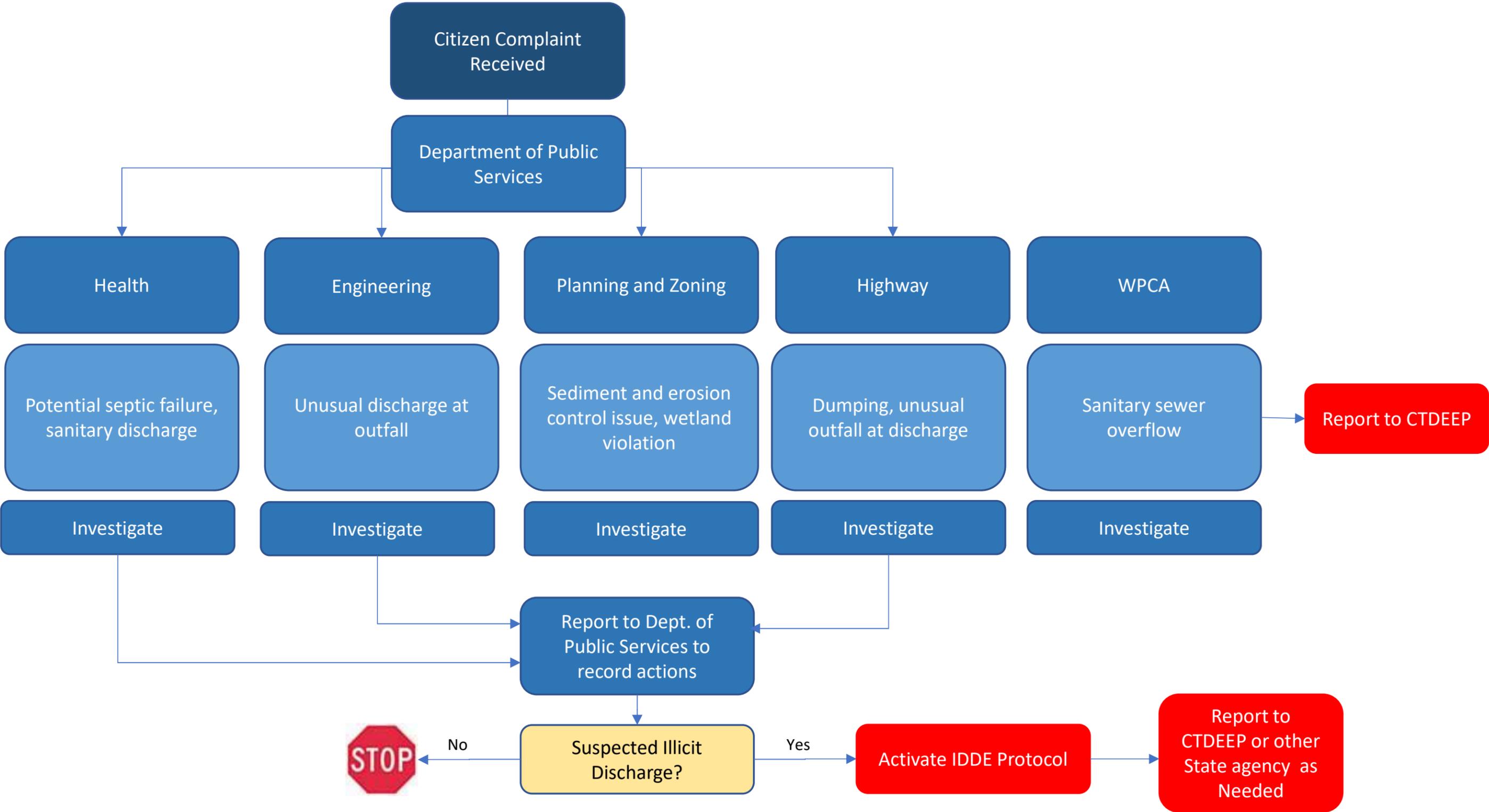
APPENDIX B



Town of New Milford Stormwater Review Process



Town of New Milford MS4 Illicit Discharge Investigation Process



Tighe&Bond

APPENDIX C

New Milford DCIA Summary

Basin Number	Main Watershed	Area (ac)	Total IC (ac)	% IC	Connectivity	DCIA %	DCIA (ac)	Comments
6000-00-4+R36		24.28	3.430764	14.13%	Moderately	5.31%	1.29	
6000-28-2-R1		106.44	11.910636	11.19%	Moderately	3.74%	3.98	
6600-12-1		145.25	39.7404	27.36%	Highly	21.21%	30.81	
6700-30-1		299.75	33.482075	11.17%	Moderately	3.73%	11.19	
6000-37-1		1333.48	105.478268	7.91%	Moderately	2.22%	29.67	
6000-00-4+R37		116.47	5.497384	4.72%	Somewhat	0.56%	0.65	
6000-00-4+R38		802.7	26.89045	3.35%	Slightly	1.71%	13.70	
6600-00-4-R7		145.82	26.568404	18.22%	Moderately	7.78%	11.34	
6600-00-4-R8		123.14	15.367872	12.48%	Moderately	4.41%	5.43	
6600-00-4-R6		1673.74	182.605034	10.91%	Moderately	3.60%	60.31	
6600-00-5+L1		485.81	25.796511	5.31%	Somewhat	0.68%	3.32	
6000-00+4+R41		889.7	60.4996	6.80%	Somewhat	1.04%	9.26	
6000-00-4+R40		785.48	41.473344	5.28%	Somewhat	0.68%	5.32	
6000-00-4+R35		597.91	27.802815	4.65%	Slightly	2.53%	15.12	
6000-30-1		492.97	12.570735	2.55%	Slightly	1.23%	6.06	
6000-00-4+r39		848.62	18.924226	2.23%	Slightly	1.05%	8.89	
6000-00-4+R34		46.91	0.881908	1.88%	Slightly	0.85%	0.40	
6600-11-1		603.01	102.270496	16.96%	Moderately	6.98%	42.12	
6400-00-1-L5		2471.34	169.039656	6.84%	Somewhat	1.05%	25.98	
6000-00-4+R44		369.18	101.5245	27.50%	Highly	21.34%	78.79	
6000-00-4+R45		63.31	17.055714	26.94%	Highly	20.82%	13.18	
6000-00-4+R46		1058.47	244.612417	23.11%	Highly	17.32%	183.36	
6500-00-3-R2		153.77	32.014914	20.82%	Highly	15.28%	23.50	
6000-34-2-R1		812.21	126.623539	15.59%	Moderately	6.16%	50.00	
6000-00-4+R43		49.8	6.31962	12.69%	Moderately	4.52%	2.25	
6500-00-3-R1		71.24	9.018984	12.66%	Moderately	4.50%	3.21	
6000-36-1		56.03	6.600334	11.78%	Moderately	4.04%	2.27	
6000-31-1		363.24	16.563744	4.56%	Slightly	2.47%	8.97	
6000-00-4+R43		448.69	45.497166	10.14%	Moderately	3.23%	14.49	
6000-34-1		958.71	95.008161	9.91%	Somewhat	1.97%	18.93	
6502-00-2-R5		2314.31	215.462261	9.31%	Somewhat	1.78%	41.09	
6000-36-1-L1		433.43	38.271869	8.83%	Somewhat	1.62%	7.03	
6700-31-1		278.28	24.182532	8.69%	Somewhat	1.58%	4.39	
6000-35-1-L2		169.82	14.417718	8.49%	Somewhat	1.52%	2.58	
6500-00-3-R1		1089.46	85.195772	7.82%	Somewhat	1.32%	14.38	
6502-00-2-R3		491.95	37.929345	7.71%	Somewhat	1.29%	6.34	
6052-00-2-R4		880.65	53.455455	6.07%	Somewhat	0.86%	7.56	
6500-07-1-L1		81.85	4.64908	5.68%	Somewhat	0.77%	0.63	
6502-08-1		374.66	20.41897	5.45%	Somewhat	0.71%	2.68	
6016-00-1-L3		10.8	0.57024	5.28%	Somewhat	0.68%	0.07	
6017-00-1		28.59	1.489539	5.21%	Somewhat	0.66%	0.19	
6017-00-2-R2		891.49	45.822586	5.14%	Somewhat	0.65%	5.77	
6000-37-1-L1		430.73	21.881084	5.08%	Somewhat	0.63%	2.73	
6000-35-1-L1		403.74	20.227374	5.01%	Somewhat	0.62%	2.50	
6000-32-1		1639.73	79.526905	4.85%	Slightly	2.66%	43.62	
6000-35-1		121.14	5.705694	4.71%	Slightly	2.57%	3.11	
6016-00-2-R1		634.82	29.773058	4.69%	Slightly	2.56%	16.22	
6500-00-2-R7		104.81	4.779336	4.56%	Slightly	2.47%	2.59	
6700-20-1		173.11	7.61684	4.40%	Slightly	2.37%	4.10	
6501-00-2-R1		1211.74	49.560166	4.09%	Slightly	2.17%	26.27	
6502-09-1		449.12	18.099536	4.03%	Slightly	2.13%	9.57	
6700-24-1		474.76	18.325736	3.86%	Slightly	2.02%	9.60	
6500-00-2-R8		1007.96	38.604868	3.83%	Slightly	2.00%	20.20	
6700-23-1		740.18	28.200858	3.81%	Slightly	1.99%	14.74	
6400-00-1*		26.88	0.98112	3.65%	Slightly	1.89%	0.51	
6016-00-1*		427.92	14.292528	3.34%	Slightly	1.70%	7.28	
6700-22-1		633.18	21.084894	3.33%	Slightly	1.69%	10.73	
6700-00-3-R12		20.74	0.628422	3.03%	Slightly	1.51%	0.31	
6000-33-1		296.9	8.93669	3.01%	Slightly	1.50%	4.46	
6500-08-1		1447.01	40.371579	2.79%	Slightly	1.37%	19.83	
6700-20-2-R1		285.09	7.896993	2.77%	Slightly	1.36%	3.87	
6017-02-1		246.59	6.337363	2.57%	Slightly	1.24%	3.06	
6500-06-1		551.01	14.050755	2.55%	Slightly	1.23%	6.78	

New Milford DCIA Summary

Basin Number	Main Watershed	Area (ac)	Total IC (ac)	% IC	Connectivity	DCIA %	DCIA (ac)	Comments
6700-20-2-R2		447.11	10.73064	2.40%	Slightly	1.14%	5.11	
6016-00-3*		447.93	9.944046	2.22%	Slightly	1.04%	4.67	
6700-00-3-R11		106.12	2.186072	2.06%	Slightly	0.95%	1.01	
6000-28-1		18.25	0.355875	1.95%	Slightly	0.89%	0.16	
6500-07-1		517.49	9.625314	1.86%	Slightly	0.84%	4.36	
6501-01-1		585.28	10.652096	1.82%	Slightly	0.82%	4.80	
6500-00-2-R5		350.26	5.77929	1.65%	Slightly	0.73%	2.56	
6000-27-1		98.77	1.402534	1.42%	Slightly	0.61%	0.60	
6501-00-1		1078.32	15.204312	1.41%	Slightly	0.60%	6.51	
6500-00-2-R6		976.53	12.987849	1.33%	Slightly	0.56%	5.50	
6700-00-3-R14		20.68	0.231616	1.12%	Slightly	0.46%	0.09	
6000-35-1-L3		46.8	0.47268	1.01%	Slightly	0.40%	0.19	
6500-05-1		250.7	2.28137	0.91%	Slightly	0.36%	0.90	
6700-23-2-R1		77.35	0.533715	0.69%	Slightly	0.26%	0.20	
6016-03-1-L2		124.1	0.84388	0.68%	Slightly	0.25%	0.31	
6400-00-1-L2		84.76	0.491608	0.58%	Slightly	0.21%	0.18	
6000-31-1-L1		69.79	0.048853	0.07%	Slightly	0.02%	0.01	
6000-35-1-L4		4.71	0	0.00%	Slightly	0.00%	0.00	
6600-12-1-L1		791.37	117.043623	14.79%	Slightly	10.14%	80.24	
6017-00-2-R1		14.73	0	0.00%	Slightly	0.00%	0.00	
6500-00-2-R4		2.07	0	0.00%	Slightly	0.00%	0.00	
6700-00-3-R10		0.67	0	0.00%	Slightly	0.00%	0.00	
6000-39-1		0.13	0	0.00%	Slightly	0.00%	0.00	
TOTAL		40883.84	2790.63221	6.83%			1105.97	
							2.71%	

NOTE: %IC = percent impervious cover

Connectivity Level	Description of Contributing Area	Land use type	Equation	Example for a watershed with 20% impervious cover (IC)
1. Fully Connected (default)	100% storm sewered with all IC	High density mixed use, commercial	None. DCIA% = IC%	20% DCIA
2. Highly Connected	Mostly storm sewered with curb and gutter, residential rooftops connected to MS4	High density residential, commercial, industrial, institutional	DCIA%=0.4(%IC)^1.2	0.4(20)^1.2 = 14.6% DCIA
3. Moderately Connected	Mostly storm sewered with curb and gutter, residential rooftops NOT connected to MS4	Medium density residential, commercial, industrial, institutional, open land	DCIA%=0.1(%IC)^1.5	0.1(20)^1.5 = 8.9% DCIA
4. Somewhat Connected	50% storm sewered with some infiltration and residential rooftops not connected to MS4	Low density residential, open land	DCIA%=0.04(%IC)^1.7	0.04(20)^1.7 = 6.5% DCIA
5. Slightly Connected	Small % of urban area storm sewered or mostly infiltration	Agricultural, forested, natural areas	DCIA%=0.01(%IC)^2	0.01(20)^2 = 4% DCIA

Source: UCONN CLEAR

Tighe&Bond

APPENDIX D



Town of New Milford Directly Connected Impervious Cover Tracking

Project Information					Existing Conditions Summary			Proposed Impervious Cover		Post-Development Impervious Cover Treated by Stormwater Treatment BMPs (ac)												Impervious Cover Change Computations			Total Change		Cumulative Totals			Notes & References							
Date (1)	Watershed ID (2) <small>Based on CTDEEP Watershed Basin Number</small>	Street Number (3)	Street (4)	Description (5)	Site Total Impervious Cover (ac) (6) <small>Total amount of existing impervious cover on the property</small>	Area Treated by Stormwater BMPs (ac) (7) <small>Existing impervious area contributing to existing stormwater treatment practices</small>	DIRECTLY CONNECTED IMPERVIOUS AREA (ac) (8) <small>Existing impervious area that discharges to the storm drainage system or waterways without treatment</small>	Site Total Impervious Cover (ac) (10) <small>Total post-development impervious cover proposed, regardless if treated or not</small>	Net Change in Impervious Cover (ac) (11) <small>Change in total impervious cover from existing to post-development conditions, regardless if treated or not</small>	11-P1	11-P2	11-P3	11-P4	11-P5	11-S1	11-S2	11-S3	11-S4	11-S5	11-S6	11-S7	11-S8	11-S9	11-S10	11-S11	11-S12	Total (ac) (12)	Impervious Area Disconnected by Reduction in Total Impervious Area (ac) (13) <small>Reduction in Total Impervious Cover from Existing to Post-Development Conditions. If impervious coverage increases from pre- to post-, this value is zero.</small>	Total Impervious Area Disconnected (ac) (14) <small>Sum of impervious area treated by stormwater BMPs shown in blue columns, PLUS any reduction in pre to post impervious cover, MINUS any existing impervious cover treated.</small>	Total DIRECTLY CONNECTED IMPERVIOUS AREA (ac) (15) <small>Total impervious area discharged from the post-development site without any stormwater treatment.</small>	Change in DIRECTLY CONNECTED IMPERVIOUS AREA (ac) (16) <small>Existing DCIA MINUS Proposed DCIA</small>	Change in Total Impervious Cover (ac) (17) <small>Existing total impervious cover MINUS Proposed total impervious cover</small>	Change in DIRECTLY CONNECTED IMPERVIOUS AREA (ac) (18) <small>Same as (16)</small>	TOWN-WIDE DIRECTLY CONNECTED IMPERVIOUS AREA (ac) (19) <small>Estimates the Town-Wide Directly Impervious Area after Project Completion</small>	TOTAL CHANGE FROM BASELINE DIRECTLY CONNECTED IMPERVIOUS AREA (%) (20) <small>Percent change in Directly Connected Impervious Area from Estimated Baseline.</small>	Total Impervious Cover (ac) (21) <small>Estimates Town-Wide Total Impervious Cover after Project Completion.</small>	Notes & References
										11-P1	11-P2	11-P3	11-P4	11-P5	11-S1	11-S2	11-S3	11-S4	11-S5	11-S6	11-S7	11-S8	11-S9	11-S10	11-S11	11-S12											
Town Baseline DCIA / Impervious Cover																																					
					0.000		0.000	0.000																		0.000	0.000	0.000	0.000	0.000	0.000	1105.970	0.000%	2790.63			
					0.000		0.000	0.000																		0.000	0.000	0.000	0.000	0.000	0.000	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1105.97	0.000%	2790.63			
					0.00		0.00	0.00																		0.00	0.00	0.00	0.00	0.00	0.00	1					