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REPORT

April 7, 2025

TOWN OF
Bloomfield
CONNECTICUT

2024 Stormwater Annual Report

CTDEEP General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewers (MS4)

MS4 General Permit
Town of Bloomfield 2024 Annual Report
Existing MS4 Permittee
Permit Number GSM 000035
[January 1, 2024 – December 31, 2024]

This report documents Town of Bloomfield's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2024 to December 31, 2024.

Part I: Summary of Minimum Control Measure Activities

1. Public Education and Outreach (Section 6 (a)(1) / page 19)

1.1 BMP Summary

BMP	**Activities in current reporting period** (if needed, more space available after this table)	**Sources Used** (If applicable)	**Method of Distribution**	**Audience (and number of people reached)**	**Measurable goal**	**Department / Person Responsible**	**Additional details**
1-1 Implement public education and outreach	Information on Illicit Discharge Into the Public Storm Drainage System posted on Town Website with contact information		Physical and Online	Developers, homeowners (approx. 100). Information is available to anyone who views the town website including Developers and Town residents.	Educate the public on Illicit Discharge	Engineering	

BMP	Activities in current reporting period (if needed, more space available after this table)	Sources Used (If applicable)	Method of Distribution	Audience (and number of people reached)	Measurable goal	Department / Person Responsible	Additional details
1-2 Address education/ outreach for pollutants of concern*	Maintain library of educational materials and distribute to public; periodically evaluate educational materials and update as necessary. Stormwater brochures displayed in lobby of Town Hall and auxiliary buildings.	USEPA, UCONN NEMO,	Physical	Developers, homeowners (approx. 100).	Educate the public on storm water quality and responsible waste management	Engineering	-DPW continued attending public school events -Town participated in HazWaste Program (Household Hazardous Waste Collection) on September 7, 2024.
1-3 Additional measures for discharge associated with pollutants of concern	Provide links on town website for information on trash/recycling & Hazardous waste collection	USEPA, UCONN NEMO,	Online	Developers, homeowners (approx. 100).	To educate and motivate homeowners to use best management practices which reduce polluted stormwater runoff	Engineering	Bloomfield website & Engineering webpage

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

- Public works personnel to continue involvement at community events as resources permit.
- DPW to continue to host Hazardous Waste Collection Day.
- Continue to provide Stormwater educational brochures on the Town website.

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.
Brochures available at Public Works Building (21 Southwood Drive) and on Town website	General Public	Impact of impervious cover, Septic systems & Fertilizer use	Bacteria, Nitrogen and Phosphorus	Public Works

Program Element/Activity	Audience (and number of people reached)	Topic(s) covered	Pollutant of Concern addressed (if applicable)	Responsible dept. or partner org.
Long Island Sound Study brochure available in Town Hall Main Lobby (800 Bloomfield Avenue)	General Public	How urban/suburban runoff makes its way to the Long Island Sound.	Detergent, animal waste, fertilizers and hydrocarbons	Engineering

2. Public Involvement/Participation (Section 6(a)(2) / page 21)

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Location Posted	Additional details
2-1 Final Stormwater Management Plan publicly available	Complete	Stormwater Management Plan is posted on the Town of Bloomfield Engineering Department website	Educate Community on Town Standards	Engineering	Ongoing	March 2017	https://www.bloomfieldct.gov/332/Stormwater-Management	
2-2 Comply with public notice requirements for Annual Reports	Complete	Post draft 2023 Annual Report on website	Community Involvement		Feb 15, 2023	Posted June 28, 2023	https://www.bloomfieldct.gov/332/Stormwater-Management	

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

- Reach out to local environmental groups to enlist involvement in implementing elements of the Stormwater Management Plan.
- Continue to make Stormwater Management Plan, Annual Report, and informational brochures available to the public.

3. Illicit Discharge Detection and Elimination (Section 6(*a*)(3) and Appendix B / page 22)

3.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-1 Develop written IDDE program	Complete	Written IDDE program completed	Develop and implementation of a written IDDE program incorporating requirements presented in Appendix B of the MS4 General Permit	Engineering	Jul 1, 2018	Completed March 1, 2019	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	Complete	Mapping complete. In the process of compiling list of all MS4 stormwater outfalls	Evaluate existing stormwater map contents against MS4 General Permit requirements and update, as necessary. Update stormwater maps as new information becomes available. Maintain and update Town outfall and storm sewer lists.	Engineering	Jul 1, 2019	Completed prior to 2023.	
3-3 Implement citizen reporting program	Complete	Illicit Discharge information with reporting contact information available on town website	Evaluate citizen complaint recording process and record documentation of receipt of citizen complaints pertaining to illicit discharge.	Engineering	July 1, 2017	Ongoing	Initial reporting by phone; contact information provided on Town website.
3-4 Establish legal authority to prohibit illicit discharges	Complete	Amended Ordinance adopted by Town Council	Incorporate legal authority to prohibit illicit discharges into written IDDE program.	Town Council	Jul 1, 2018	Completed June 25, 2018	Storm Drainage Ordinance adopted by Town Council

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-5 Develop record keeping system for IDDE tracking	Complete		Develop documentation and implement procedures to track IDDE abatement activities	Engineering	Jul 1, 2017	Completed June 1, 2018	Procedures outlined in IDDE Program; Spreadsheet created for tracking.
3-6 Address IDDE in areas with pollutants of concern	Not started	Purchased equipment for outfall sampling. Received training on equipment usage. Will perform dry weather sampling as time/weather permit.	Develop prioritization strategy for pollutants of concern.	Engineering	Not specified	Ongoing as time and resources permit	Baseline dry weather screening/sampling will be conducted depending on weather, outfall accessibility. Engineering staff will coordinate with DPW to access to structures during scheduled maintenance.

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

- Continue mapping catchment areas and begin outfall monitoring in priority areas.
- Perform opportunistic inspections as appropriate.
- Maintain IDDE tracking spreadsheet.
- Institute training for employees to recognize illicit discharge.
- Written program will be updated as needed throughout the permit term.

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

Date of Report	Location / suspected source	Response taken
No reports in 2024		

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. [Information provided by the MDC]

SUMMARY OF KNOWN SANITARY SEWER OVERFLOWS (SSO) FROM 1/1/2014 (Reported by MDC)

Date Discovered	Time Discovered	Time Arrived (crew arrival time)	Address	Building Private Property Back-Up	Structural SSO Regulator	Source of notification	Cause of bypass	Quantity/ Volume (gallons)	Did bypass reach waters of the United States	If rain, Total Rain (inches)	Steps taken to minimize volume and duration of by-pass	Action taken to eliminate by-pass	Steps taken to Prevent Recurrence of by-pass	Was area of by-pass cleaned of debris?	Method used to clean debris	Sewershed (WPCF)
2/28/2014	1:50 PM	3:30 PM	36 Jackson Road		-	Property owner	Grease	3	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	Homeowner	HWPCF
4/27/2014	9:45 AM	9:30 AM	- Walsh Street		-	Resident	Grease	<100	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC cleaned	HWPCF
9/30/2014	10:15 AM	9:50 AM	19 Hill Farm Road		-	Property Owner	Debris	15	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC hired professional cleaner	HWPCF
2/11/2015	8:10 PM	9:20 PM	Opposite 39-41 Wesleyan Terrace	No	N/A	Homeowner	Paper and grease	<100	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC cleaned area	HWPCF
6/29/2015	7:00 PM	7:000 PM	37 Merriam Avenue	Yes	N/A	Homeowner	Grease	<100	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC hired outside contractor	HWPCF
11/21/2015	3:59 PM	4:45 PM	40 Loeffler Road	Yes	N/A	Property Owner	Debris	3000	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC hired outside contractor	HWPCF
12/9/2015	7:10 PM	8:00 PM	25 Mayfair Road	Yes	N/A	Homeowner	Grease	<100	No	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	Homeowner cleaned area	HWPCF
12/19/2015	3:20 PM	4:45 PM	near 37 Maple Avenue	No	N/A	Bloomfield PD	Grease	100	Yes	N/A	Sewer crew called to relieve blockage	Sewer crew cleared blockage of main sewer	Regular maintenance of main sewer	Yes	MDC cleaned area	HWPCF
1/31/2016	4:45 PM	4:45 PM	12 Claire Lane	Yes	N/A	Plumber	Damaged by outside contractor	350	No	N/A	Sewer crew called to relieve blockage	Sewer crew removed broken manhole cover from main sewer	Replaced broken manhole cover	Yes	MDC hired professional cleaning company	HWPCF
1/23/2017	12:45 PM	12:45 PM	5 & 11 Musket Trail	Yes	N/A	Homeowner	Debris	60	No	N/A	Sewer crew called to relieve blockage	Main sewer flushed by jet truck and stoppage relieved	Regular maintenance of main sewer	Yes	MDC hired professional cleaning company	HWPCF

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)
132 East Harold St.	12/22/18	No	<100 gallons	Grease blockage/Homeowner	Sewer crew cleared blockage of main sewer 12/22/18	
60 Loeffler Rd (The Duncaster)	2/13/19	Reach the waters of US?-No	25 gallons	Grease blockage	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (2/2019)	
Boothbay Street	8/27/19	Reach waters of the US?-No	<50 gallons	Grease blockage	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (8/2019)	
Park Avenue	11/13/19	Reach waters of the US?-No	<25 gallons	Grease blockage	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (11/2019)	

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)
Meadowview Lane	6/21/2020	Reach waters of the US?-No	<100 gallons	Debris	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (6/2020)	
Ledyard Road	3/25/2021	Reach the waters of US?-No	<100 gallons	Debris	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (3/2021)	
Cottage Grove Road	3/30/2021	Reach the waters of US?-No	50 gallons	Debris	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (3/2021)	
Pasture Lane	7/19/2022	Reach the waters of US?-No	<1000 gallons	Debris	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (7/2022)	
Musket Trail	2/21/2023	Reach the waters of US?-No	<100 gallons	Roots	Sewer crew cleared blockage of main sewer; regularly maintain sewer main (3/2023)	

3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

- Suspected illicit discharges are to be reported to the Authorized Enforcement Agent.
- The AE Agent will review and coordinate with the Health District, Building Department and/or MDC as appropriate.
- Authorized Agent will authorize investigation and follow up to ensure appropriate mitigation.

3.6 Provide a summary of actions taken to address septic failures using the table below. *Info on septic systems provided by West Hartford-Bloomfield Health District.*

Location and nature of structure with failing septic systems	**Actions taken to respond to and address the failures**
32 Terry Plains	*Pending court proceedings to require abatement*
31 Terry Plains	*Engineered repair design approved, awaiting install*
14 Boysen	*Site testing done, awaiting repair plan*
1032 Mountain Road	*Engineered design approved, awaiting install*
52 Duncaster	*Repaired and Resolved*
11 Rundelane	*Repaired and Resolved*

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	357
Estimated or actual number of interconnections	9
Outfall mapping complete	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	10%
Dry weather screening of all High and Low priority outfalls complete	5 (2023)
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).

- A yearly staff training program for recognizing illicit discharges will be implemented as time/budget permit in 2025.
- IDDE best management practices provided to staff, as determined by the Town Engineer.

4. Construction Site Runoff Control (Section 6(a)(4) / page 25)

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Ongoing	Enforced zoning and inland wetland regulations	Require developers and contractors comply w/ Guidelines for Soil Erosion and Sedimentation Control, the CT Stormwater Quality Manual, & all CTDEEP	Engineering	Jul 1, 2019	Ongoing	Practice currently in place. Plan to review procedures to improve compliance where necessary.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed	Additional details
			stormwater discharge permits				
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Complete	Meeting conducted with representatives from Planning & Zoning; IWCC; Engineering and Planning departments to discuss development of new joint stormwater regulations for the town in compliance with MS4 General Permit.	Continue interdepartmental coordination for site plan reviews and approval processes.	Engineering	Ongoing	June 7, 2017	Work with Planning Director and Inland Wetlands Commission to update land use regulations.
4-3 Review site plans for stormwater quality concerns	Ongoing	Conducted site plan reviews (with land use applications) to ensure consideration of stormwater management and erosion control practices to prevent or minimize impacts to water quality (> 1/2 ac. Disturbance)	Review site plans for stormwater controls or management practices; Commissioner to publish approval / denial of site plans in newspaper within 15 days after such decision is rendered.	Engineering	Ongoing	June 7, 2017	Practice currently in place. Commissioner to schedule public hearings for site plan reviews in accordance with Master Plan application.
4-4 Conduct site inspections	In Progress	Site inspections performed throughout construction to ensure compliance with approved plan.	Review and revise, if required, methods to verify applicable construction projects are compliant with municipal and MS4 General Permit requirements through inspection, review and revise, if necessary, inspection documentation and recordkeeping methods.	Engineering	Ongoing	July 2017/ Annually	Practice currently in place. Each inspection report to be submitted to Wetlands Agent.
4-5 Implement procedure to allow public comment on site development	In Progress	Refining procedure for receipt and investigation of information submitted by the public regarding proposed and ongoing development, and land disturbance activities.	Refining procedure for receipt and investigation of information submitted by the public regarding proposed and ongoing development, and land disturbance activities.	Engineering	Ongoing	July 2017/ Annually	Historically relied on public comment via phone or from neighbors during site inspections.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed	Additional details
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	In Progress	Developers & contractors were notified of their potential obligation to obtain authorization under DEEP's General Permit for the Discharge of stormwater & Dewatering Wastewaters associated with Construction Activities for projects disturbing >1 acre of land.	Review and refine, if necessary, the process designed to notify developers or contractors of potential obligations to obtain CTDEEP Construction General Permit coverage.	Engineering	Ongoing	July 2017/ Annually	Practice currently in place. Plan to review procedures to improve compliance where necessary.

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

- Any approved project is required to include an erosion and sedimentation control plan.
- Review current regulations, update as needed.

5. Post-construction Stormwater Management (Section 6(*a*)(5) / page 27)

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	In progress		Review/update regulations to be compliant with MS4 General Permit requirements; update as necessary	Engineering	Jul 1, 2021		Storm Drainage Ordinance adopted by Town Council; All proposals that require a Wetlands Permit / Wetlands Agent Permit to be evaluated for Low Impact Development (LID) strategies.

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing	Consistently successful in working with developers to provide treatment of the water quality volume	Require developers and/or construction site operators of development/redevelopment projects to consider implementation of runoff reduction/LID measures required by the MS4 General Permit	Engineering and Planning Dept.	Ongoing beginning Jul 1, 2019	Projected completion in January 2026	Low Impact Design (LID) standards as set forth by the Town of Bloomfield published guidelines are encouraged. (1/1/17) Continuing to work on drafting LID regulations for adoption by the Town.
5-3 Identify retention and detention ponds in priority areas	Ongoing		Identify retention and detention ponds under Towns control within priority areas	Engineering	Jul 1, 2019	Completed January 2021	Retention and detention ponds under Town control have been identified
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	Ongoing	DPW inspects, mows, and cleans stormwater basins and sediment tanks, according to the Town's Stormwater Maintenance Plan.	Develop and implement a long-term maintenance plan for retention/detention ponds and other stormwater treatment structures, as applicable	Public Works	Ongoing beginning Jul 1, 2019	Public Works maintains a list of all stormwater structures and detention ponds and maintenance is documented.	Engineering staff inspected and mowed 14 stormwater basins and 24 sediment tanks were cleaned and inspected in 2024.
5-5 DCIA mapping	Not started	Utilizing available mapping to estimate DCIA to outfalls	Calculate DCIA contributing stormwater runoff to each MS4 outfall. Update calculations as DCIA is added or removed within MS4 area	Engineering	Ongoing	Projected completion in January 2026	
5-6 Address post-construction issues in areas with pollutants of concern	Not started		Evaluate outfall screening results and/or observations recorded during maintenance activities. Prioritize and correct identified problems consistent with Retrofit plan under BMP 6-8	Engineering	Not specified		

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

- Identify retention and detention ponds in priority areas.
- Complete baseline DCIA mapping
- Continue water quality sampling of outfalls

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	UNK – Baseline not completed
DCIA disconnected (redevelopment plus retrofits)	Ongoing - 0 in 2020. In 2019, 0.40+/- (BOE WQ basin)
Retrofits completed	0
DCIA disconnected	UNK – ongoing
Estimated cost of retrofits	0 (Developer cost)
Detention or retention ponds identified	1-2019/ 22 detention ponds-total; 51 sediment tanks

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

- Available mapping (GIS) of impervious area and land use will be used to estimate approximate DCIA within each catchment areas.

6. Pollution Prevention/Good Housekeeping (Section 6(*a*)(6) / page 31)

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-1 Develop/implement formal employee training program	Ongoing	New hires/within 1 year: Public Works Academy (UConn T-2 Center). Trained for proper use, storage and disposal procedures as well as DEEP industrial stormwater general permit and SPCC plan training.	Continue to provide on-the-job training to existing and new staff; review and revise training procedures as necessary	Public Works & Engineering	Ongoing	July 2017/ Annually	Public Works trains their staff on an annual basis. Engineering will provide training for MS4 Program requirements

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-2 Implement MS4 property and operations maintenance	Ongoing	7 Town properties were audited in 2019 to determine if additional environmental compliance actions were required. Town dumpsters were inspected for leaks, and Town Building property parking lots were swept two times annually (minimum) to minimize potential pollutant runoff. Stockpiles are stored under cover at Public Works Facility. Public Works facility complied with DEEP Industrial Stormwater Permit. Vehicle maintenance performed in garage bays with floor drains-discharge treated by oil/water separators that are routinely inspected and pumped annually.	Identify pollutants of concern on municipal properties and develop a strategy to evaluate and address proper use, storage, and disposal. Provide on the job training to verify that employees understand and implement proper use, storage, and disposal procedures. Evaluate the need for Spill Prevention Plans and develop, if applicable. Develop and implement procedures for waste management equipment, including dumpsters, and plans to sweep parking lots and adjacent facility areas to minimize runoff and pollutants.	Public Works	Ongoing beginning Jul 1, 2018	July 2018/ Annual Implementation	
6-3 Implement coordination with interconnected MS4s	In progress		Identify and coordinate with operators of interconnected MS4s (CTDOT, municipalities, institutions, as applicable) to identify and reduce contribution of pollutants to the MS4	Engineering	Not specified		
6-4 Develop/implement program to control other sources of pollutants to the MS4	In progress	Reviewed last published list of DEEP Stormwater general permits, and CT Brownfields Inventory	Conduct annual review of the list of stormwater general permit registrants and identify non-permitted locations that may be contributing pollutants	Engineering	Not specified	July 2017/ Annually	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			based on screening and monitoring results.				
6-5 Evaluate additional measures for discharges to impaired waters	In progress	Considering use of topical application to lawn areas where geese congregate on town properties (schools, ball fields, parks – Filley Pond) that are distasteful to geese.	Bacteria Specific: Develop, fund (as available), implement, and prioritize a retrofit or source management program to correct problem(s) within a specific timeframe. Prohibit feeding of geese/waterfowl on Town owned lands and implement a program to manage geese-waterfowl populations.	Public Works	Not specified	Annual Implementation (MEP)	DPW reviews retrofit needs annually as part of the capital improvement program and plans projects appropriately and as funded.
6-6 Track projects that disconnect DCIA	In progress	Tracked reduction of DCIA due to redevelopment	Development and implementation of a procedure to track DCIA coverage annually	Engineering	Ongoing	July 2017/ Annually	
6-7 Implement infrastructure repair/rehab program	In progress		Review and refine (if necessary) infrastructure repair/rehab program to be consistent with MS4 General Permit requirements	Public Works	Jul 1, 2021	Implement Annually	DPW reviews retrofit needs annually as part of the capital improvement program, and plans projects appropriately and as funded.
6-8 Develop/implement plan to identify/prioritize retrofit projects	Not started		Develop and implement a retrofit plan	Engineering	Jul 1, 2020	Projected completion by January 2026/ Annual Implementation	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-9 Implement retrofit projects to disconnect 2% of DCIA	Not started		Implement retrofit projects	Engineering	Jul 1, 2022	Projected completion by January 2027.	
6-10 Develop/implement street sweeping program	In progress	In 2023, all streets were swept (220 curb miles) and approximately 316 cy of material was generated.	Implement street sweeping and municipal parking lot sweeping within MS4 at least once per year; areas with DCIA >11% or discharging to impaired waters at least once per year; Conduct street sweeping for areas outside the MS4 with DCIA >11% or discharging to impaired waters. Document street sweeping results, including dates of sweeping, curb miles swept, volume of material collected, and method of reuse or disposal.	Public Works	Ongoing beginning Jul 1, 2017	July 2017/ Annually	Program will continue during 2025
6-11 Develop/implement catch basin cleaning program	In progress	3034 of approximately 3,075 total catch basins were visually inspected and cleaned in 2023; 23 structures were repaired & 43 sediment tanks were cleaned in 2023; Material collected during cleaning was tested for proper management; and disposed of in accordance with DEEP recommendations.	Continue routine cleaning of catch basins, track catch basin inspection observations. Development of a catch basin inspection and maintenance plan. Record number of catch basins inspected and/or cleaned, volume of material removed in Annual Reports.	Public Works	Ongoing beginning Jul 1, 2020	Implement Annually	
6-12 Develop/implement snow management practices	In progress	Per written snow management plan: 220 curb miles were treated with salt and saltwater brine. Town staff were trained on application of salt and brine.	Review and refine snow and ice control practices and de-icing material management	Public Works	Ongoing beginning Jul 1, 2018	Implement Annually	

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

- Engineering Division will continue tracking known impervious cover disconnects.
- DPW Operations will continue pavement sweeping and catch basin cleaning.
- DPW Operations will continue to review retrofit needs as part of the capital improvement program.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Y – June 2020
Street sweeping	
Curb miles swept	220 miles
Volume (or mass) of material collected	416 cy
Catch basin cleaning	
Total catch basins in priority areas	90 identified to impaired waterways
Total catch basins in MS4	3,175
Catch basins inspected	3,173
Catch basins cleaned	3,173
Volume (or mass) of material removed from all catch basins	279 cy
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of deicing material used	Salt brine, white salt, treated salt
Total amount of each deicing material applied	1,239 tons (2023-2024 winter)
Type(s) of deicing equipment used	Liquid brine & crystal sanders
Lane-miles treated	220 miles
Snow disposal location	Roadside
Staff training provided on application methods & equipment	Yes (T2 center Green Snow Pro sustainable winter ops)
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 or %
Reduction in turf area (since start of permit)	0 acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	Filey Park ~3 ac.
Cost of mitigation actions/retrofits	0

6.4 Catch basin cleaning

Provide any updates or modifications to your catch basin cleaning program
• No changes

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.
• The Town is working on a Retrofit Program, which is anticipated to be complete by January 2026.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.
• The Town is working on a Retrofit Program, which is anticipated to be complete by January 2026.

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years.
• The Town is working on a Retrofit Program, which is anticipated to be complete by January 2026.

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.
Wet weather screening of outfalls to impaired waters was not performed in 2024 largely due to the severe drought that affected the State. The Town plans to resume the monitoring program and collect samples for the applicable impairment (Escherichia Coli [E. coli]). Based on previous sample events, the Town anticipates that the results would be below the 410 Most Probable Number (MPN) threshold.

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

2.1 Screening data

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? ***
ddn 000021	5/28/19	Bacteria	-E. coli <10 MPN/100 mls	Phoenix Environmental Laboratories, Inc.	No
ddn 000014	5/28/19	Bacteria	-E. coli <10 MPN/100 mls	Phoenix Environmental Laboratories, Inc.	No
ddn 000239	5/28/19	Bacteria	-E. coli <10 MPN/100 mls	Phoenix Environmental Laboratories, Inc.	No
ddn 000107	5/28/19	Bacteria	-E. coli <10 MPN/100 mls	Phoenix Environmental Laboratories, Inc.	No
ddn 000126	5/28/19	Bacteria	-E. coli 187 MPN/100 mls	Phoenix Environmental Laboratories, Inc.	No
DDN 38	*4/25/18*	*Bacteria*	*- E. coli 161 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	No

Outfall ID	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *
DDN 21	*4/25/18*	*Bacteria*	*- E. coli 41 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	No
DDN 14	*4/25/18*	*Bacteria*	*- E. coli 305 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	
DDN 239	*4/25/18*	*Bacteria*	*- E. coli 959 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	*Yes – E. coli > 410*
DDN 107	*4/25/18*	*Bacteria*	*- E. coli 3,080 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	*Yes – E. coli > 410*
DDN 126	*4/25/18*	*Bacteria*	*- E. coli 279 col/100ml*	*Phoenix Environmental Laboratories, Inc.*	

2.2 Credit for screening data collected under 2004 permit

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

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

*Follow-up investigation required (last column) if the following pollutant thresholds are exceeded:

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	• E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others • Total Coliform > 500 col/100ml (Not applicable to Class A or B receiving waterbodies)
Bacteria (salt waterbody)	• Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB • Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

3. Follow-up investigations (Section 6(i)(1)(D) / page 43)

Provide the following information for outfalls exceeding the pollutant threshold. *N/A – no data for 2024 reporting period.*

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

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

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

Outfall	Sample Date	Parameter(s)	Results	Name of Laboratory (if used)
ddn 14	5/28/19	Bacteria	E. coli <10 MPN/100 mls	Phoenix Env. Lab Inc.
ddn 21	5/28/19	Bacteria	E. coli <10 MPN/100 mls	Phoenix Env. Lab Inc.
ddn 107	5/28/19	Bacteria	E. coli <10 MPN/100 mls	Phoenix Env. Lab Inc.
ddn 126	5/28/19	Bacteria	E. coli 187 MPN/100 mls	Phoenix Env. Lab Inc.
ddn 239	5/28/19	Bacteria	E. coli <10 MPN/100 mls	Phoenix Env. Lab Inc.

Part III: Additional IDDE Program Data

1. Assessment and Priority Ranking of Catchments data (Appendix B (A)(7)(c) / page 5)

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

1. Catchment ID (DEEP Basin ID)	2. Category	3. Rank
4404-00-3-R4 4404-09-2-R1 4404-08-1 4321-00-1	High Priority	

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

2.1 Dry weather screening and sampling data from outfalls and interconnections

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

Equipment for testing dry weather samples was purchased in 2019 with the intent to begin sampling in 2019. Attempts were made to begin sampling however access to outfalls was restricted due to overgrown vegetation. Dry weather screening will be performed when time, weather conditions and access allow during the 2025 reporting year.

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

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. *N/A – no data for 2024 reporting period.*

Outfall / Interconnection ID	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)

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). *N/A – no data for 2024 reporting period.*

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 that 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 that poor owner maintenance).

3.2 Key junction manhole dry weather screening and sampling data *N/A – no data for 2024 reporting period.*

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

3.3 Wet weather investigation outfall sampling data *N/A – no data for 2024 reporting period.*

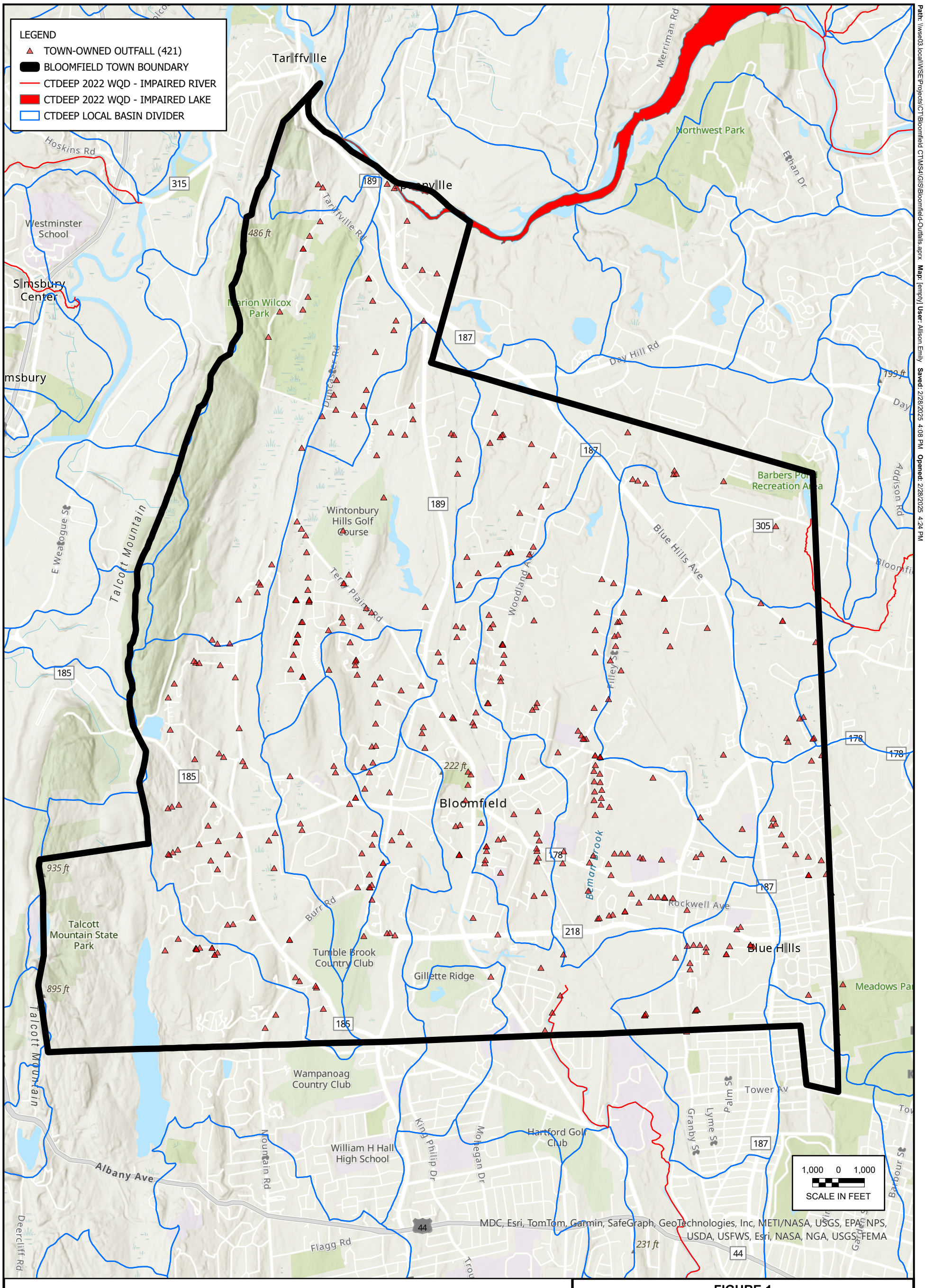
Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

3.4 Data for each illicit discharge source confirmed through the catchment investigation procedure *N/A – no data for 2024 reporting period.*

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: Alvin D. Schwapp, Jr.	Print name: Emily Allison, M.S.
Signature / Date: 20250407	Signature / Date: 04/09/2025



Notes:
- CTDEEP = Connecticut Department of Energy & Environmental Protection
- WQD = Water Quality Data obtained from the FINAL 2022 Connecticut Integrated Water Quality Report

FIGURE 1

TOWN OF BLOOMFIELD
MS4 PERMIT ANNUAL REPORT

TOWN-OWNED OUTFALLS

MARCH 2025 SCALE: NOTED

Weston & Sampson