

2024 Annual Report – MS4 General Permit

Town of New Fairfield
New Fairfield, Connecticut

March 2025



Prepared by:

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MS4 General Permit
Town of New Fairfield 2024 Annual Report
Existing MS4 Permittee
Permit Number GSM GSM 000020
January 1, 2024 – December 31, 2024

This report documents Town of New Fairfield’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	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	The Town plans to produce an article that explains what the MS4 Permit is and what the Town is doing to implement its stormwater management program. This news article will be posted on the Town’s website and Facebook page.	Update and maintain Town websites to include educational materials identified in Table 3 of SWMP and/or available on the CLEAR and CT NEMO MS4 Guide website, CLA website, or listed in the Connecticut Nonpoint Source Management Program.	Stormwater Committee, Public Works	Ongoing	Ongoing	
1-1 Implement public education and outreach <i>(Continued)</i>	Ongoing	The Town has continued to engage in partnerships and programming in 2024 with the Candlewood Lake Authority, and the Ball Pond Advisory Committee	Distribute educational materials.	Stormwater Committee, Public Works	Ongoing	Initially completed Dec 31, 2017	Outreach opportunities included cleanup events and education programs involving the use of fertilizers.



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1-2 Address education/ outreach for pollutants of concern*	Ongoing	The Town plans to produce an article that explains what the MS4 Permit is and what the Town is doing to implement its stormwater management program. This news article will be posted on the Town's website.	Select educational materials appropriate for impaired waters and stormwater pollutants of concern.	Stormwater Committee, Public Works	Ongoing	Initially completed Dec 31, 2017	

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

- Town Member selected that is dedicated to work in public relations, to work on the following:
 - By April 1st, 2025, the Town's Contractor will provide the Town with an article to publish that explains what the MS4 Permit is and what the Town is doing to implement its stormwater management program.
 - Update Town website with additional educational information related to stormwater and pollutants of concern.
- Provide an MS4 Permit briefing at a Town meeting.
- Plan Earth Day event consisting of neighborhood cleanup.

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.
Friends of Ball Pond Annual Meeting	Open to All Town Residents	Preservation and protection of Ball Pond's natural resources	N/A	Friends of Ball Pond
Household Hazardous Waste Collection Days (April, May, June, September, October, and November)	232 Town Residents	Proper Disposal of Hazardous Waste	N/A	Housatonic Resources Recovery Authority (HRRRA) / Public Works
Electronic Waste Collection (Ongoing)	All Town Residents	Proper Disposal of Electronic Waste	N/A	Housatonic Resources Recovery Authority (HRRRA)



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	Additional details
2-1 Comply with public notice requirements for the Stormwater Management Plan and continue availability of Final Stormwater Management Plan to the public	Complete	Draft SWMP was made available to the public.	Make draft Stormwater Management Plan available electronically on the Town website and paper copies available in Town Public Works' office. Publish notice of availability on website(s) or local newspaper.	Public Works	Apr 3, 2017	Apr 3, 2017	
	Complete	Final SWMP is available to the public.	Make final Stormwater Management Plan available electronically on the Town website and paper copies available in Public Works' office.		Ongoing	Jul 1, 2018	
2-2 Comply with public notice requirements for Annual Reports	Complete	Notice of annual report was posted to Town website by January 31, 2024. The draft Annual Report will be made available to the public Feb 14, 2024.	Make draft Annual Report available electronically on the Town website(s) and paper copies available in Public Works' office. Publish notice of availability on website or local newspaper.	Public Works	Feb 14, 2025	Feb 14, 2025	
	In Progress	The 2024 Annual Report will be finalized and will be posted to the Town website by the April 1, 2025 deadline.	Make final Annual Report available electronically on the Town website.		Apr 1, 2025	Anticipate completing by April 1, 2025	



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

- Submit 2024 Annual Report to DEEP by April 1, 2025.
- Continue to involve the public in annual reporting process
 - Continue to make SWMP available on the Town website.
 - Post notice of 2024 annual report by February 14, 2025.
 - Make draft 2024 report available on the Town website.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan to public	yes	Jul 1, 2018	Town website (www.newfairfield.org), First Selectman's Office
Availability of Annual Report to public	yes	February 14, 2025	Town website (www.newfairfield.org), First Selectman's Office and Public Works



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		Prepare IDDE Plan for the Town.	Health Dept	Jul 1, 2018	Jun 21, 2018	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In Progress	The Town has contracted with a consultant to prepare a GIS map of the Town's stormwater infrastructure. Detailed information related to the Town's outfalls is being documented as part of this effort. See Table 3.7 for progress made.	Develop GIS MS4 mapping to include all stormwater outfalls in the Municipality.	Health Dept, Public Works	Jul 1, 2019	Anticipated completion by Dec 31, 2025	
			Develop a list (database or spreadsheet) including required elements listed on page 24 of 50 of the General Permit for all stormwater outfalls in municipality.		Jul 1, 2019	Anticipated completion by Dec 31, 2025	
			Update GIS storm system mapping in priority areas to include required elements listed on pages 3 & 4 in Appendix B of the General Permit including catchment delineations.		Jul 1, 2020	Anticipated completion by Dec 31, 2025	
3-3 Implement citizen reporting program	Complete	Citizen reports are collected: <ul style="list-style-type: none"> Through the Town website By phone call to the Health Department 	Establish a citizen reporting 'hotline' and advertise it on the Town website and in municipal offices.	Health Dept	Jul 1, 2017	July 1, 2017	
3-4 Establish legal authority to prohibit illicit discharges	In Progress	The Town contracted with a consultant that prepared an illicit discharge ordinance language. The Town is working to incorporate that language into upcoming regulation revisions that are being developed.	Review Town's ordinance related to illicit discharge and revise, as necessary.	Health Dept, Legal Counsel, Board of Selectmen	Jul 1, 2018	Anticipated completion by Dec 31, 2025	



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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	The Health Department is responsible for tracking and logging incoming reports and responses.	Develop IDDE tracking record keeping system.	Health Dept	Jul 1, 2017	July 1, 2017	
3-6 Address IDDE in areas with pollutants of concern	Ongoing	The Town completes a "walkover Program" every two years, inspecting every property for septic violations or aboveground discharges. A notice of violation is sent to the property owner if a violation is found.	Identify areas with high potential for septic system failure.	Health Dept	Not specified	Ongoing	
3-7 Assess and prepare a priority ranking of catchments	Complete	The Town contracted with a consultant to prepare the priority ranking of catchments.	Classify each catchment within priority areas into an excluded, problem, high priority, or low priority catchment.	Health Dept, Public Works	Jul 1, 2019 (initial)	February 5, 2021	
	Complete	The Town contracted with a consultant to prepare the priority ranking of catchments.	Rank catchments within each category (except excluded catchments) based on screening factors found on page 6 & 7 in Appendix B of the General Permit.			February 5, 2021	
3-8 Conduct outfall and interconnection screening and sampling	In Progress	The Town has contracted with a consultant to continue to conduct dry weather screening.	Conduct dry weather screening and sampling (where flowing) of every MS4 outfall and interconnection (except for excluded and Problem Catchments).	Health Dept, Public Works	Jul 1, 2019	Anticipated completion by Dec 31, 2025	
3-9 Conduct catchment investigations and remove illicit discharges	In Progress		Evaluate catchments for System Vulnerability Factors and begin catchment investigations.	Health Dept, Public Works	Jul 1, 2018	Anticipated completion by Dec 31, 2025	



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
3-9 Conduct catchment investigations and remove illicit discharges (cont.)	In Progress		Where System Vulnerability Factors are present, conduct manhole inspections. Isolate and verify sources. Remove identified illicit discharges and conduct confirmatory outfall screening.	Health Dept, Public Works	Jul 1, 2020	Anticipated completion by Dec 31, 2025	

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

- Complete dry weather outfall screening and sampling.
- Continue to evaluate System Vulnerability Factors and begin catchment investigations and removal of illicit discharges, if detected.

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

Date of Report	Location / suspected source	Response taken
7/1/2024	Front of 8 Brush Drive / Vehicle struck telephone pole and transformer came down. Less than one gallon.	Reported to DEEP, power company hired Contractor for cleanup.
8/1/2024	Front of 10 Curtis Avenue / #2 fuel oil leaked from furnace that entered sump pump, discharged to road drainage. Under 10 gallons.	Reported to DEEP, Contractor placed absorbents in catch basin.
8/12/2024	34 Candlewood Drive / 275 gallon above ground oil tank in basement ruptured.	Oil company called, they called DEEP to report. Oil company hired Contractor to clean up.
8/30/2024	22 Fleetwood Drive / 275 gallon oil tank in basement leaking. Less than 10 gallons.	Resident called oil company, they called DEEP to report. Abandoned existing tank, installed new tank, removed contaminated soil.
11/18/2024	12 Candlehill Road / 275 gallon oil tank in basement leaking.	Resident called oil company, tank was pumped out.
11/25/2024	10 Sleepy Hollow Road / House for sale, 550 underground oil tank leaking.	Buyer of house hired inspector, tank was replaced, excavated contaminated soil, sampled nearby wells.
12/2/2024	Route 39 North of Town Center / Motor Vehicle accident – fluids leaked onto road.	Fire department cleaned up leaked fluids.
12/19/2024	Front of 10 Merlin Road / 10 gallons of #2 fuel oil spilled from service truck.	Reported to DEEP, fire department cleaned up spill.



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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.

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)
Putt Lake, NY	11/14/2022	Discharge to MS4 (Lake)	5000 gallons	In-basement oil tank rupture, shop vacced and dumped in slop sink.	Tanker truck skimmed oil off lake, majority of oil removed. Slop sink abandoned and dry well and pipe removed. 100 yards of soil removed from the property, fined by state of NY. CT Paid to clean up property and tanker truck.
10 Curtis Avenue	5/1/2017	Unknown	Unknown	Discharge to catch basin from 4" PVC pipe – Determined source to be from homeowner's washing machine	Homeowner was initially not responsive. The Town started legal proceedings. The homeowner redirected washing machine discharge to septic system on July 25, 2019. The Health Department monitored the catch basin in question from November 2019 through January 2020 and confirmed there was no further illicit discharges.
7 Clark Road	6/13/2017	Unknown	Unknown	Water treatment discharge from 2" PVC pipe in foundation wall.	Water treatment was removed.
11 Jericho Road	7/11/2017	Unknown	Unknown	Discharge in possible sewage or bury pit.	Ongoing monitoring during 2017/2018 wet season.
23 Shortwoods Road	6/2019	Stream connected to Ball Pond Brook	Unknown	Curtain drain had been installed near a bury pit.	In December 2019, the Health Department determined the source of the odor was not sewage.
314 Route 39	9/27/2023	Squantz Pond	50 gallons	Oil tank was not pumped out prior to demolition of house. Existing line ruptured and leaked into MS4 via catch basin.	DEEP Oil and Chemical Spills responded. Moran Environmental hired by owner who cleaned up site.

*New Fairfield does not have a sanitary sewer system

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

The Health Department is responsible for tracking and logging incoming reports and responses.



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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
340 Route 37	NOV sent 11/20/2023, no further actions taken.
15 Musket Ridge Road	NOV sent 6/20/2023. Roots found in distribution box, repair completed.
11 Pickett Road	NOV sent 4/23/2023. Investigation performed 10/23/2023. System found not to be failing, filed permit to put on a cover. Town plans to monitor during wet season.
38 Marjorie Drive	NOV sent 3/27/2023, no further actions taken.
172 Route 37	NOV sent 1/10/2023, no further actions taken.
201 Stony Way – 55+ Community 4 Buildings, each has septic tank and leaching field.	NOV sent 10/15/2024, Roots found in distribution box, box and piping were replaced with monitoring to occur monthly.
1 Fox Hollow Road	NOV sent 11/2/2024, failing sewage disposal system, was investigated by owner and will be fixed in the spring.

3.7 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	Estimated 250-300 townwide, Estimated 200 within priority area
Estimated or actual number of interconnections	Estimated 10-20
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	95%
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).

Employee IDDE training will be provided to the Town by Fuss & O'Neill before April 1st 2025. This training is conducted annually.



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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 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	In Progress	The Town's consultant has reviewed existing regulations and made recommendations which are under review by Town departments. The Town is contracting with a consultant to do a complete revamp of land use regulations, which will include these recommendations provided.	Review and update, as necessary, existing land use regulations and implementation policies for compliance with the MS4 General Permit construction site stormwater runoff control requirements.	Land Use Departments, Legal Counsel, Board of Selectmen	Jul 1, 2019	Anticipated completion by Dec 31, 2025	The Town was able to contract with a Land Use Consultant Firm in 2024 and is in the process of developing regulations for one and two acre parcels. A separate section will be developed for sites with impervious surfaces.
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Complete	Land Use Departments and Soil Erosion and Sediment Control (SESC) Officer continues to coordinate review and approval of site plans.	Implement interdepartmental coordination procedures as described in Section 5.2 of SWMP.	Land Use Departments, SESC Officer	Ongoing	Initially completed Jul 1, 2017	
4-3 Review site plans for stormwater quality concerns	Ongoing	Stormwater Pollution Prevention Plans are reviewed by Town Engineer.	Complete site plan reviews for all projects subject to the land use regulations listed in BMP 4-1.	Land Use Departments, SESC Officer	Ongoing	Initially completed Jul 1, 2017	
4-4 Conduct site inspections	Ongoing	Site inspections continue to be conducted by Town Engineer and Zoning Official as necessary.	Conduct inspections and enforcement to assess and ensure the adequacy of the installation, maintenance, operation, and repair of construction and post-construction control measures.	Land Use Departments, SESC Officer	Ongoing	Initially completed Jul 1, 2017	



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BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-5 Implement procedure to allow public comment on site development	Complete	A system continues to be in place to accept public comments both through the Town website and in Town offices.	Post notices of Town's 'hotline' for stormwater related comments on the municipal stormwater website.	Land Use Departments, SESC Officer	Ongoing	Initially completed Jul 1, 2017	
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Complete	Developers/contractors continue to be notified of potential obligations under the DEEP construction general permit as part of the conditions attached to all construction permits issued by the Town. A formal handout has been prepared titled <i>Notice to Contractors/Developers: Obligations under the Construction General Permit</i> that will be included as part of the Zoning permit.	Inform developers/contractors of their potential obligation to register under the DEEP construction general permit and to provide a copy of the Storm Water Pollution Control Plan to the Town upon request.	Land Use Departments, SESC Officer	Ongoing	Initially completed Jul 1, 2017	

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

- Finalize land use regulations to meet requirements of MS4 general permit.
- Continue to implement interdepartmental coordination in plan review, involving Land Use Departments and SESC Officer.
- Continue inspections and enforcement of current regulations. Review regulations to consider including provisions for controlling construction wastes such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary wastes at the construction site that may cause adverse impacts to water quality.
- Continue to conduct site inspections as necessary.
- Continue to document the number (per permit year) of construction plan submittals, construction startups, and construction inspections and report these numbers in their annual reports.



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	The Town's consultant has reviewed existing regulations and made recommendations which are under review by Town departments. The Town will be contracting with a consultant to do a complete revamp of land use regulations, which will include these recommendations provided.	Review and update, as necessary, existing land use regulations and implementation policies (including Technical Standards) for compliance with the General Permit post-construction stormwater management requirements.	Land Use Departments, Legal Counsel, Board of Selectmen	Jul 1, 2021	Anticipate completion by Dec 31, 2025	The Town was able to contract with a Land Use Consultant Firm in 2024 and is in the process of developing regulations for one and two acre parcels. A separate section will be developed for sites with impervious surfaces.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	In Progress	The Town's consultant has reviewed existing regulations and made recommendations which are under review by Town departments. The Town will be contracting with a consultant to do a complete revamp of land use regulations, which will include these recommendations provided.	Review and update, as necessary, current regulations to identify, reduce, or eliminate existing regulatory barriers to implementation of LID and runoff reduction practices.	Land Use Departments	Jul 1, 2021	Anticipate completion by Dec 31, 2025	The Town was able to contract with a Land Use Consultant Firm in 2024 and is in the process of developing regulations for one and two acre parcels. A separate section will be developed for sites with impervious surfaces.



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
	Not Started		Complete plan reviews and ensure compliance for all projects subject to the legal authority and/or guidelines listed in BMP 5-1.		Jul 1, 2021	Anticipate completion by Dec 31, 2025	
5-3 Identify retention and detention ponds in priority areas	Complete	The Town does not directly own any stormwater basins. There is one detention basin owned by the State and maintained by the Town that discharges to Ball Pond. The town also owns and maintains 1 subsurface infiltration system. The Town mapped these stormwater basins and treatment systems in 2020.	Identify stormwater basins and treatment systems in priority areas and include them in GIS/CAD mapping.		Jul 1, 2019	Dec 15, 2020	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures	Complete	The Town contracted with a consultant to prepare Stormwater BMP Operation and Maintenance Procedures which was completed December 15, 2020. The detention basin is inspected according to this plan annually and during and after major storms, or more frequently if problems are observed. The subsurface infiltration system is inspected annually after leaf cleanup.	Develop a long-term maintenance plan for retention/ detention basins and stormwater treatment structures.	Public Works	Ongoing beginning Jul 1, 2019	Ongoing started December 15, 2020	
	Complete		Implement maintenance plan including annual inspection of retention/ detention basins and stormwater treatment structures and removal of accumulated sediment and pollutants.			Ongoing started December 15, 2020	



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5-5 DCIA mapping	Complete	The Town's consultant calculated DCIA Town-wide and for each CTDEEP local basin within the Town.	Calculate the Directly Connected Impervious Area (DCIA) of outfall catchment areas using guidance provided by DEEP and UConn CLEAR.	Land Use Departments	Jul 1, 2020	Oct 21, 2019	
	Ongoing	The Town's consultant has prepared a spreadsheet for formally tracking total DCIA which will be implemented when the Town's Land Use Regulations are updated such that developments will report DCIA reduction.	Revise DCIA estimate as development, redevelopment, or retrofit projects effectively add or remove DCIA.		Annually beginning Jul 1, 2020	Anticipate completing annually beginning in 2025	
5-6 Address post-construction issues in areas with pollutants of concern	Ongoing		Address erosion and sediment problems noted during inspections conducted under BMP 5-3 through the retrofit program developed under BMP 6-7.	Land Use Departments, SESC Officer, Public Works	Not specified	Ongoing	

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

- Update land use regulations to meet requirements of MS4 general permit.
- Continue reviewing plans for post-construction stormwater compliance.

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

DCIA was estimated from high-resolution impervious cover (excluding state roads) and land use/cover data available from UConn NEMO and empirical equations (Sutherland Equations) relating DCIA and Total Impervious Area (TIA). The DCIA estimates were developed at the CTDEEP Local Basin scale.



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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	Complete	The Town contracted with a consultant to provide employee awareness training on various MS4 Permit topics including pollution prevention and good housekeeping, illicit discharges, etc.	Implement training program for Town employees, building on the Town's current program (see topics listed in Section 7.2).	Public Works	Ongoing	January 11, 2022.	
6-2 Implement MS4 property and operations maintenance	Complete	The Public Works Department does not use fertilizers on Town property. School's Building's and Grounds staff use phosphorus free products.	Implement turf/fertilizer management BMPs for parks and open space.	Public Works, Parks and Recreation	Ongoing beginning Jul 1, 2018	Jul 1, 2017.	
	Complete	Dog park at high school has a pet waste bag station managed by the Town.	Implement pet waste education program and install signage, baggies, and disposal receptacles in Town-owned recreational areas where dog walking is allowed.	Public Works, Parks and Recreation, Stormwater Committee		Jul, 1 2017	
	Complete	Snow fencing is used to keep geese off of Town Beach.	Implement waterfowl management BMPs in targeted areas.	Public Works, Parks and Recreation, Stormwater Committee		Jul 1, 2017	



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 <i>(Continued)</i>	Complete	The Town contracted with a consultant to conduct an evaluation of the 14 Town-owned facilities for spill prevention and pollution prevention practices. Buildings requiring SPCC plans were identified in 2017. SPCC plans were completed for the Fire Station, Police Station, and Public Works Garage in March 2021.	Evaluate municipal buildings and facilities for spill prevention and pollution prevention practices and implement additional BMPs as necessary.	Public Works		Mar 5, 2021	Additional Plan needs will be assessed after completion of the High School and Elementary school renovations.
	Ongoing	Current Industrial Stormwater Sampling is only Visual due to consecutive satisfactory results from discharge in previous years.	Continue maintenance protocols for municipal vehicle and equipment parking, fueling, and maintenance practices. Train staff as necessary.	Public Works		Ongoing	
	Complete	Continued to properly dispose of grass clippings and leaves from municipally owned lands.	Continue to implement procedures to minimize or prevent the deposition of leaves in catch basins, streets, parking lots, driveways, sidewalks or other paved surfaces.	Public Works, Parks and Recreation		Jul, 1, 2017	
6-3 Implement coordination with interconnected MS4s	Ongoing		Coordinate with neighboring municipalities, institutions, and DOT regarding stormwater management program activities associated with the adjacent MS4s.	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
6-4 Develop/ implement program to control other sources of pollutants to the MS4	Ongoing	The Town is working on armoring the reservoir into Marjorie Brook in order to prevent erosion and sediment from entering into the brook. Phase 1 was completed in 2022, Phase 2 has been designed and the Town continues to seek funding.	Control through IDDE program, water quality monitoring, the Town's ordinance related to illicit discharge, and targeted education and outreach to commercial, industrial, municipal, institutional facilities owners/operators (see BMP 1-1)	Health Department	Not specified	Ongoing	
6-5 Evaluate additional measures for discharges to impaired waters*	Ongoing		Implement the measures and procedures described in the Town's SWMP (Section 7.2) including those measures to address stormwater pollutants of concern.	Public Works	Not specified	Ongoing	
6-6 Track projects that disconnect DCIA	Ongoing	The Town's consultant has prepared a spreadsheet for formally tracking total DCIA which will be implemented at the end of the 2024 calendar year.	Annually track total acreage of DCIA that is disconnected as a result of redevelopment or retrofits (see BMPs 5-5 and 6-7).	Public Works	Ongoing	Ongoing	
6-7 Implement infrastructure repair/rehab program	Ongoing	MS4 infrastructure is repaired as needed in a timely manner. In 2024, repairs were made to 14 catch basins.	Repair, rehabilitate, or retrofit MS4 infrastructure (e.g., conveyances, structures, outfalls) as needed in a timely manner.	Public Works	Jul 1, 2022	Ongoing	



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BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-8 Develop/implement plan to identify/prioritize retrofit projects	Complete	The Town contracted with a consultant to develop a retrofit plan. 16 sites were evaluated and the concept designs were completed in July 2021. The Town is working to implement the plan after completion of the High School and Elementary school renovations.	Develop retrofit plan and list of priority sites.	Public Works	Jul 1, 2020	Jul 1, 2021	
	Ongoing	Regulations that require contractors to notify Town of DCIA disconnects to be developed in 2024.	Disconnect 1% per year of New Fairfield's DCIA from the MS4.		Jul 1, 2021	Ongoing	New construction at New Fairfield High School met the current DCIA disconnect goal (3.6 Acres → 2.1 Acres).
6-9 Implement retrofit projects to disconnect 2% of DCIA	Ongoing		Annually track total acreage of DCIA that is disconnected as a result of redevelopment or retrofits (see BMPs 5-5 and 6-7).	Land Use Departments	Jul 1, 2022	Ongoing	The Town will continue to implement stormwater retrofits to meet its DCIA disconnection/reduction goals.
6-10 Develop/implement street sweeping program	Ongoing		Continue to inspect and sweep all municipally-owned or –operated streets and parking lots.	Public Works	Ongoing beginning Jul 1, 2017	Ongoing	



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-10 Develop/implement street sweeping program (cont.)	Ongoing	The Town has prepared written Operation and Maintenance Procedures to address catch basin inspection and cleaning, street and parking lot sweeping, and winter road maintenance activities to reduce the discharge of pollutants to the MS4.	Evaluate runoff reduction measures such as permeable pavement or other measures to promote sheet flow of stormwater for all new and redeveloped municipal parking lots.		Not Specific	Ongoing	
6-11 Develop/implement catch basin cleaning program	Complete	The Town has prepared written Operation and Maintenance Procedures to address catch basin inspection and cleaning, street and parking lot sweeping, and winter road maintenance activities to reduce the discharge of pollutants to the MS4.	Inspect and clean catch basins as necessary.	Public Works	Ongoing beginning Jul 1, 2020	Jul 1, 2020	All Town owned catch basins have been cleaned and inspected at least once. The Town continues to regularly clean and inspect their catch basins.
	Ongoing	Catch basins prioritized based on departmental knowledge of fill rates.	Develop a plan for optimizing catch basin cleaning (i.e., reduced frequency in certain areas) based on inspection findings, such that no catch basin is more than 50% full.		Ongoing beginning Apr 1, 2018	Ongoing	



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BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-12 Develop/implement snow management practices	Complete	The Town has prepared written Operation and Maintenance Procedures to address catch basin inspection and cleaning, street and parking lot sweeping, and winter road maintenance activities to reduce the discharge of pollutants to the MS4.	Implement practices for deicing material management and snow and ice control.	Public Works	Ongoing beginning Jul 1, 2018	Jul 1, 2018	

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

- Continue formal employee training with the assistance of a consultant.
- Continue to inspect and clean catch basins and increase number cleaned per year.
- Continue to reduce sand usage for snow management.
- Continue to repair MS4 infrastructure as needed in a timely manner.
- Maintain annual records of street miles swept and amount of sweepings collected, volume of material removed from catch basin cleaning, and lane miles treated.
- Implement the three-town SPCC Plan for the Public Works Garage, Transfer Station and Fueling Station at the Police Department and Fire Department contracted by a consultant.



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6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	January 2024
Street sweeping	
Curb miles swept	63 miles
Volume (or mass) of material collected	450 cubic yards
Catch basin cleaning	
Total catch basins in priority areas	Approximately 3,998
Total catch basins in MS4	Approximately 3,565
Catch basins inspected	30
Catch basins cleaned	1,114
Volume (or mass) of material removed from all catch basins	Unknown
Volume removed from catch basins to impaired waters (if known)	Unknown
Snow management	
Type(s) of deicing material used	Treated salt, sand, and small amount of brine salt solution (used preemptively on main roads when dry)
Total amount of each deicing material applied	Unknown
Type(s) of deicing equipment used	Standard spreader
Lane-miles treated	70 miles, multiple events
Snow disposal location	In place
Staff training provided on application methods & equipment	November 2021
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)	0 acres
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	Not yet determined



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6.4 Catch basin cleaning program

Provide any updates or modifications to your catch basin cleaning program

The Town of New Fairfield performs routine inspection, cleaning, and maintenance of the approximately 4,000 catch basins located throughout the Town. Catch basin inspection and cleaning is conducted annually in the spring, summer, and fall. The Town developed a catch basin cleaning schedule, with more frequent inspection and cleaning occurring at catch basins with known heavier sediment and debris loads and drainage problems. Catch basins near priority waterbodies and construction areas are also prioritized.

The Town will implement the following catch basin inspection and cleaning procedures to reduce the discharge of pollutants from the MS4:

- Continue to identify catch basins that require more frequent cleaning based on visual inspection at the time of cleaning.
- Catch basins with known heavier sediment and debris loads or drainage problems will be cleaned more frequently.
- Catch basins in areas that drain to impaired waters and near construction activities (roadway construction, residential, commercial, or industrial development or redevelopment) or high-use areas should be inspected and/or cleaned more frequently if inspection finds excessive sediment or debris loadings.
- If a catch basin sump is more than 50 percent full during two consecutive inspections, document the findings, investigate the contributing drainage area for sources of excessive sediment loading, and, if possible, address the contributing sources. If no contributing sources are found, increase the inspection and cleaning frequency.

Street sweeping performed on an appropriate schedule will reduce the amount of sediment, debris, and organic matter entering the catch basins, which will in turn reduce the frequency with which they need to be cleaned.

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 retrofit identification and prioritization process consists of a desktop screening evaluation to identify potential retrofit sites followed by field evaluations to confirm feasibility of retrofits, develop retrofit concepts, and prioritize retrofit projects. The initial desktop analysis is used to determine which sites to further evaluate prioritized sites with the following criteria:

1. Municipally-owned properties
2. Greater than 1 acre of impervious area or greater than 30% of impervious area (using high-resolution impervious cover and land use/cover data available from UConn NEMO)
3. Moderately well drained to excessively well drained soils (using USDA/NRCS 2007 Soil Drainage Class data)
4. Mostly or entirely outside of the 100 year flood zone (using FEMA Flood Zone data)

Once site visits were completed, preliminary stormwater retrofit concepts were identified and evaluated for budgetary cost and approximate amount of DCIA that would be disconnected. Town staff provided input on the preliminary design and final concept designs were developed.

Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years.

The Town plans to incorporate low impact development techniques during new construction of Town-owned properties. Ordinance language is planned which will require developers to calculate and submit DCIA changes resulting from the planned construction as part of the permit process for projects disturbing 1 acre or more.



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.

All waterbodies in the state are subject to the Northeast Regional Mercury TMDL, however no specific monitoring or sampling is required in association with this TMDL.

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

2.1 Screening data

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	Results	Name of Laboratory	Follow-up required?
See attached table of monitoring results					

*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)	<ul style="list-style-type: none"> E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	<ul style="list-style-type: none"> 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.

Outfall	Status of drainage area investigation	Control measure implementation to address impairment
Nothing to report.		

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)
Nothing to report.				

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
See attached table of ranked catchments.		



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.

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
See attached table of monitoring results.										

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
Nothing to report.									

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). If present, report which SVF's were identified. An example is provided below.

Outfall ID	Receiving Water	System Vulnerability Factors
Nothing to report.		



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 or common trench construction serving storm and sanitary sewer alignments
5. Crossings of storm and sanitary sewer alignments; or Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;
6. Sanitary sewer infrastructure defects such as leaking service laterals, 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.
7. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
8. 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); or Areas formerly served by combined sewer systems.
9. 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
Nothing to report.					

3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants
Nothing to report.				

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
Nothing to report.							

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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: Melissa Lindsey, First Selectman	Print name: Robert Terlikowski – Fuss & O'Neill, Inc.
Signature / Date: <i>Melissa A Lindsey</i> 3/10/25	Signature / Date: <i>Robert Terlikowski</i> 3/31/25