

**MS4 General Permit  
Town of New Hartford 2023 Annual Report**

Permit Number GSM 000135

January 1, 2023 – December 31, 2023

Primary MS4 Contact: Dan Jerram, First Selectman, 860-379-3389, djerram@newhartfordct.gov

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

**Part I: Summary of Minimum Control Measure Activities**

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

**1.1 BMP Summary**

<b>BMP</b>	<b>Activities in current reporting period</b>	<b>Sources Used (if applicable)</b>	<b>Method of Distribution</b>	<b>Audience (and number of people reached)</b>	<b>Measurable Goal</b>	<b>Department / Person Responsible</b>	<b>Additional details</b>
1-1 Implement public education and outreach	Complete		Digital	Entire Town/ 6,700 population	Added MS4 to town website, used email and social media to inform residents.	First Selectman	
1-2 Address education/ outreach for pollutants of concern	In progress		Digital	Entire Town/ 6,700 population	Stormwater Mgm Plan/ Annual Reports will be available for viewing/comment on website.	Selectmen	Stormwater Management Plan is uploaded and annual reports will be added over time for resident review.
1-3 Integrate water quality in school curriculum	Not started		School curriculum	Student Population/ 6 <sup>th</sup> grade - 100 population	Educate students on common sense stormwater topics in New Hartford.	Superintendent	Discussed implementing a stormwater component to the science curriculum in 2024-2025 school year.

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

The town will continue to complete digital updates (website, email blast and social media ) to inform our residents about our stormwater system and preventing pollution therein.

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

**2.1 BMP Summary**

<b>BMP</b>	<b>Status</b> (Complete, Ongoing, In Progress, or Not started)	<b>Activities in current reporting period</b>	<b>Measurable Goal</b>	<b>Department / Person Responsible</b>	<b>Date completed or projected completion date</b> (include the start date for anything that is 'in progress')	<b>Location Posted</b>	<b>Additional details</b>
2-1 Final Stormwater Management Plan publicly available	Complete	Report available in hard copy at Town Hall and online.	Upload report to website	Selectman	July 2022	Highway Department MS4 - Page	
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	In Progress	Annual Updates will be posted on a go-forward basis	Upload report to website, hard copy available in Selectman's office	Selectman	July 2022	Highway Department MS4 - Page	
2-3 Establish stormwater committee	Complete	The town has assembled a 3-member committee.	Implement SMP across depts.	Selectman	August 2023	Highway Department MS4 - Page	

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

The town has completed an IDDE Fact Sheet and Reporting Form to allow residents to report suspected violations. No other activities planned for the next year.

Residents also participated in: Farmington River Clean Up Day in April (Annual Event), Support FRWA & FRCC activities and participated in Household Hazardous Waste Day.

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

#### 3.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
3-1 Develop written IDDE program (Due 7/1/19)	In progress	Town is in process of completing written IDDE program (state template currently under review)	Develop written IDDE program	Highways Dept./Superintendent	Anticipate completion by fiscal 2024.	The Town will prepare a stand alone IDDE program document in Fiscal 2024.
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	In progress	Town is in process of compiling this information	All basins and outfalls will be located and mapped	Selectman & Highways Dept./Superintendent	Anticipate completing Urban Area by fiscal 2024 and remainder of town by fiscal 2026.	The Town has identified 202 basins within the Priority Area (Urban Area) and is working with our GIS contractor to develop a map layer in Fiscal 2024.
3-3 Implement citizen reporting program (Ongoing)	Complete	Town has implemented a IDDE Reporting Form and uploaded to town website	Established a system for citizen reporting per requirements of written IDDE program	Selectman & Highways Dept./Superintendent	12/2023	All reports and follow-up actions will be included in the Annual Report on a go-forward basis.
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	In Progress	Town is reviewing CT DEEP IDDE Ordinance template for consideration at town meeting.	Develop legal authority to enforce IDDE program	Selectman	Fiscal 2024 (town meeting 4/24)	Town will consider this initiative at town meeting.
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Complete	Town has implemented a IDDE Reporting Form and corresponding record keeping system to track complaints	Implemented reporting system for IDDE reports from residents	Selectman	12/2023	
3-6 Address IDDE in areas with pollutants of concern	Not started					

3-7 Consolidate IDDE tracking spreadsheets	Not started					
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**3.2 Describe any IDDE activities planned for the next year, if applicable.**

The Town will continue to work on, and improve, written IDDE program over time, and post program work on towns website.

**3.3 Provide a record of all citizen reports of suspected illicit discharges and other illicit discharges occurring during the reporting period and SSOs occurring July 2017 through end of reporting period using the following table.** Illicit discharges are any unpermitted discharge to waters of the state that do not consist entirely of stormwater or uncontaminated groundwater except those discharges identified in Section 3(a)(2) of the MS4 general permit when such non-stormwater discharges are not significant contributors of pollution to a discharge from an identified MS4.

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)
None received in 2023						

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

Method used to track illicit discharge reports	Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known	Dept. / Person responsible
FVHD Inquiry 12/2023	64 Black Bridge Rd	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	35 Cottage St.	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	1140 Litchfield Turnpike	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	61 Niles Rd.	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	319 Ramstein Rd	Full Repair	n/a	Health District

FVHD Inquiry 12/2023	85 Shafer Rd	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	418 South Rd.	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	13 Wickett St.	Full Repair	n/a	Health District
FVHD Inquiry 12/2023	103 Beeney Rd.	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	71 Cottage Street	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	489 E. Cotton Hill Rd	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	85 Honey Hill Rd	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	46 Lakeshore Dr.	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	1011 Litchfield Turnpike	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	1460 Litchfield Turnpike	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	25 Red Clover Rd.	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	58 Shafer Rd	Tank Replacement Only	n/a	Health District
FVHD Inquiry 12/2023	105 Winchester Rd.	Tank Replacement Only	n/a	Health District

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

The Town’s watershed area is overseen by MDC who conducts routine inspections of septic systems all summer long (every year) to ensure water quality within the Nepaug Reservoir. Their staff collaborate with Town Hall to identify areas/properties of concern. The Town, including Selectman, Zoning, Wetlands, Police and DPW personnel, are prepared to respond to any reported IDDE event. The Town has created an IDDE Fact Sheet and Citizen Reporting form and posted them on our website. Any reported violation will be tracked digitally by scanning the completed form and saving to a digital file for follow up, review and inclusion in our annual report.

**3.6 IDDE reporting metrics**

<b>Metrics</b>	
Estimated or actual number of MS4 outfalls	Unknown
Estimated or actual number of interconnections	Unknown
Outfall mapping complete	100% - needs to be incorporated in Town’s GIS system

Interconnection mapping complete	(0%)
System-wide mapping complete (detailed MS4 infrastructure)	(0%)
Outfall assessment and priority ranking	(0%)
Dry weather screening of all High and Low priority outfalls complete	(0%)
Catchment investigations complete	(0%)
Estimated percentage of MS4 catchment area investigated	(0%)

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

Town implemented annual Stormwater and IDDE training in 2023 (July). All employees met to learn about what Illicit Discharge is, how to inspect catch basins (in both dry and wet weather) for signs of IDDE. Employees also learned to identify illegal connections to our MS4 system. Employees also participated in Green Sno-Pro Training and calibrated spreader equipment. The town discussed street sweeping program, catch basin cleaning and tracking of salt usage through winter months.

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

**4.1 BMP Summary**

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	Ongoing	Land Use staff consistently reviews construction sites	Effective stormwater compliance	Land Use Office	July 2023	The town continually reviews its regulations.

4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing	Land Use staff consistently reviews construction sites with other town staff (Building Dept and consulting engineers).	Effective stormwater compliance	Land Use Office/ Building Dept.	July 2023	The town has done routine site reviews for many years.
4-3 Review site plans for stormwater quality concerns	Ongoing	Land Use staff consistently reviews construction sites (Erosion & Sediment Controls, ETC)	Effective stormwater compliance	Land Use Office/ Building Dept.	Summer 2022	The town has done routine site reviews for many years – and focuses intently on weather events.
4-4 Conduct site inspections	Ongoing	Land Use staff consistently reviews construction sites	Effective stormwater compliance	Land Use Office/ Building Dept.	Summer 2022	The town has done routine site inspections of construction sites for many years.
4-5 Implement procedure to allow public comment on site development	Complete	Residents are able to give input to staff or land use commissioners in person or via email	Effective stormwater compliance	P&Z, Wetland & Land Use Office	July 2023	Residents have always been able to give input to the town during project reviews/ hearings.
4-6 Implement procedure to notify developers about DEEP construction stormwater permit	Ongoing	Land Use staff consistently reviews construction site requirements with owners/developers	Effective stormwater compliance	Land Use Office	July 2023	The town has done routine site reviews/ inspections of construction sites for many years.

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

The town will continue its stormwater compliance efforts both in plan review and site inspection over the next year.

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

### 5.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22)	Complete	The town has implemented LID and runoff reduction in site plan development guidelines.	Effective stormwater compliance	P&Z Land Use Office	July 2014	The town implemented LID planning several years ago.
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Ongoing	Land Use staff consistently reviews construction sites for compliance and enforces site plan requirements.	Effective stormwater compliance	P&Z Land Use Office	July 2023	The town has done routine site inspections of construction sites for many years.
5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	Not started					
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	In process	The town currently reviews catch basins for maintenance purposes every year. All basins are cleaned and many are replaced. Some pipes are inspected by video to check condition and replaced when necessary.	Effective stormwater compliance	DPW/Superintendent	July 2023	The town has worked with an "informal" maintenance plan for many years. We are working to codify the plan into something more formal by next summer (2024).



5-5 DCIA mapping (Due 7/1/20)	Not Started	The town is in process of procuring funding toward this effort and retaining a contractor.	Effective stormwater compliance	Selectmen	July 2023	The town has proposed using some ARPA funding toward this effort.
5-6 Address post-construction issues in areas with pollutants of concern	Complete	Land Use staff consistently reviews construction sites for compliance and enforces site plan requirements.	Effective stormwater compliance	Land Use	July 2023	The town has done routine site inspections of construction sites for many years. There have been no issues with pollutants during the reporting period.

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

The town will continue to maintain its stormwater system. Now that the town no longer uses sand as a de-icing agent, basins don't need to be cleaned as frequently. Little if any material is generated (town converted to all salt roughly 4 years ago). Town has increased focus on removal of leaf debris from catch basin tops (all roads are blown clean of leaves).

**5.3 Post-Construction Stormwater Management reporting metrics**

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/post-construction.htm>. Scroll down to the DCIA section.

Metrics	
Baseline (2012) Directly Connected Impervious Area (DCIA)	To be evaluated upon completion of mapping project.
DCIA disconnected (redevelopment plus retrofits)	To be evaluated upon completion of mapping project.
Retrofit projects completed	To be evaluated upon completion of mapping project.
DCIA disconnected	To be evaluated upon completion of mapping project.
Estimated cost of retrofits	To be evaluated upon completion of mapping project.

Detention or retention ponds identified	To be evaluated upon completion of mapping project.
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**5.4 Briefly describe the method to be used to determine baseline DCIA.**

The method to be used to determine baseline DCIA will be developed upon completion of town-wide GIS mapping project.

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

**6.1 BMP Summary**

<b>BMP</b>	<b>Status</b> (Complete, Ongoing, In Progress, or Not started)	<b>Activities in current reporting period</b>	<b>Measurable Goal</b>	<b>Department / Person Responsible</b>	<b>Date completed or projected completion date</b> (include the start date for anything that is 'in progress')	<b>Additional details</b>
6-1 Develop/implement formal employee training program (Ongoing)	Ongoing	Maintain & Improve existing program	Maintain existing program	Highway Dept./Superintendent	Ongoing	
6-2 Implement MS4 property and operations maintenance (Ongoing)	Not Started	Maintain & Improve existing program	Maintain existing program	Highway Dept./Superintendent	Ongoing	
6-3 Implement coordination with interconnected MS4s	Not Started	Coordination to be evaluated upon completion of mapping project.	Maintain existing program	Highway Dept./Superintendent	Ongoing	
6-4 Develop/implement program to control other sources of pollutants to the MS4	Not Started	Under study – Program to be evaluated upon completion of mapping project.	Maintain existing program	Highway Dept./Superintendent	Ongoing	

6-5 Evaluate additional measures for discharges to impaired waters	Not Started	The Town has no discharges to impaired waterways (CT DOT has MS4 in Route 202)	Maintain existing program	Highway Dept./Superintendent	Ongoing	
6-6 Track projects that disconnect DCIA (Ongoing)	Not Started	Under study – Program to be evaluated upon completion of mapping DCIA project.	Maintain existing program	Land Use Office		The town has done routine site plan reviews for many years.
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Ongoing	Maintain existing program	Maintain existing program	Highway Dept./Superintendent		The town has done routine infrastructure repair/replacement on an as-needed basis for many years.
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Not Started	Under study – Program to be evaluated upon completion of mapping DCIA project.		Selectman/Highway Dept./Superintendent		
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Not Started	Under study – Program to be evaluated upon completion of mapping DCIA project.		Selectman/Highway Dept./Superintendent		
6-10 Develop/implement street sweeping program (Ongoing)	Ongoing	Program in Place		Highway Dept./Superintendent		The town has done routine street sweeping for many years. As we no longer use sand for deicing, this has become less of a burden.
6-11 Develop/implement catch basin cleaning program (Ongoing)	Ongoing	Program in Place		Highway Dept./Superintendent		The town has done routine catch basin cleaning for many years. As we no longer use sand for deicing, this has become less of a burden.

6-12 Develop/implement snow management practices (Due 7/1/18)	Ongoing	Program in Place New Hartford has become a Green Sno-Pro Town – completes annual training and calibrates machinery as necessary.	Use best practices when deicing	Highway Dept./Superintendent		The town has done routine catch basin cleaning for many years. As we no longer use sand for deicing, this has become less of a burden.
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**6.2 Describe any Pollution Prevention/Good Housekeeping activities planned for the next year, if applicable.**

The town participates in annual river and trail “clean up days” along the Farmington River. The Town will continue its program of street sweeping, catch basin cleaning and repair of deteriorating infrastructure. The Town will also continue to use treated salt for de-icing as it has resulted in significantly less street sweeping and catch basin cleaning.

**6.3 Pollution Prevention/ Good Housekeeping reporting metrics**

Metrics	
Employee training provided for key staff	8/2023
Street sweeping	
Curb miles swept	164 miles
Volume (or mass) of material collected	150 tons
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	#202
Total catch basins town- (or institution-) wide	#1000 est
Catch basins inspected	#1000 est
Catch basins cleaned	#20 est
Volume (or mass) of material removed from all catch basins	12 ton est.
Volume removed from catch basins to impaired waters (if known)	unknown
Snow management	
Type(s) of deicing material used	Treated Salt*
Total amount of each deicing material applied	1287 tons
Type(s) of deicing equipment used	Calibrated spreaders on all trucks
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	164 miles
Snow disposal location	Roadside
Staff training provided on application methods & equipment	(yes) / 8/2023)

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)	n/a
Cost of mitigation actions/retrofits	\$0

\*Limited sand (roughly 10 yards) was also used to treat unpaved roads during icy conditions in winter 22-23

#### 6.4 Catch basin cleaning program

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

Since the town ceased using sand in 2020, catch basin cleaning has been greatly reduced as there is little to no material to clean out of the system.

#### 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. (Due 7/1/20)**

New Hartford is a rural town and has a simplistic storm water system. Each spring all catch basins are reviewed. Basins that show indications/evidence of failure are investigated further. Some receive maintenance and some are replaced. None have been disconnected. The program is best described as an “as needed” basis.

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

New Hartford’s simplistic approach is practical and cost effective and will continue. New Hartford is a very small town, with few town owned properties to consider for retro-fit programs. Further, redevelopment of commercial properties is rare. The Town will review these applications as they become available, but we can’t create development and/or connections that don’t exist.

## Part II: Impaired waters investigation and monitoring

### 1. Impaired waters investigation and monitoring program

For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

**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.**

This task has not yet started. However, the Town has no discharges into “Impaired Waterways”. In New Hartford, the State of CT (Lake McDonough) and the Nepaug River at the Canton town line are the only impaired waterways.

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

### 2.1 Screening data

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit [www.nemo.uconn.edu/ms4/tasks/monitoring.htm](http://www.nemo.uconn.edu/ms4/tasks/monitoring.htm). Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

Each Annual Report will add on to the previous year’s data showing a cumulative list of sampling data. **You may also attach an excel spreadsheet with the same data rather than copying it into this table.** If you do attach a spreadsheet, please write “See Attachment” below.

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

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"> <li>E. coli &gt; 235 col/100ml for swimming areas or 410 col/100ml for all others</li> <li>Total Coliform &gt; 500 col/100ml</li> </ul>
Bacteria (salt waterbody)	<ul style="list-style-type: none"> <li>Fecal Coliform &gt; 31 col/100ml for Class SA and &gt; 260 col/100ml for Class SB</li> <li>Enterococci &gt; 104 col/100ml for swimming areas or 500 col/100 for all others</li> </ul>
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 ID	Status of drainage area investigation	Control measure to address impairment
N/A		
N/A		
N/A		

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

Once outfall sampling has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2021. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

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

## 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
Ongoing; to be assessed upon completion of current mapping project		



## 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

This screening is the baseline IDDE dry weather screening. For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the blue column of the Monitoring comparison chart and the IDDE baseline monitoring flowchart.

Provide sample data for outfalls where flow is observed, during dry weather, of outfalls and interconnections categorized as high or low priority in priority areas. Do not include problem or excluded catchments. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
Ongoing; to be assessed upon completion of current mapping project											

### 2.2 Wet weather sample and inspection data

This sampling data is the baseline wet weather priority catchment investigation sampling. For details on this requirement, visit <https://nemo.uconn.edu/ms4/tasks/monitoring.htm>. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

Provide baseline sample data for outfalls and key junction manholes of any catchment area (all high priority, low priority, and problem outfalls within the priority area) with at least one System Vulnerability Factor. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write "See Attachment" below.

Outfall / Interconnection ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or Enterococcus	Surfactants	Water Temp	Pollutant of concern
Ongoing; to be assessed upon completion of current mapping project										

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

For details on this requirement, visit [www.nemo.uconn.edu/ms4/tasks/monitoring.htm](http://www.nemo.uconn.edu/ms4/tasks/monitoring.htm). Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

#### 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
Ongoing; to be assessed upon completion of current mapping project		

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system;

8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

### 3.2 Key junction manhole dry weather screening and sampling data

This screening is the dry weather priority catchment investigation screening. Provide sample data, both baseline and follow-up, for key junction manholes of any catchment area begin investigated for an illicit discharge and do not have any SVFs present. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write “See Attachment” below.

Key Junction Manhole ID	Latitude / Longitude	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
Ongoing; to be assessed upon completion of current mapping project						

### 3.3 Wet weather follow-up investigation outfall sampling data

This sampling is the follow-up investigations for the wet weather priority catchment investigation. Provide follow-up sample data for outfalls and key junction manholes of any catchment area with at least one System Vulnerability Factor. Follow-up investigations must take place within one year and again within five years. **You may also attach an excel spreadsheet with the same data rather than copying it to this table.** If you do attach a spreadsheet, please write “See Attachment” below.

Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants
Ongoing; to be assessed upon completion of current mapping project					

**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
Ongoing; to be assessed upon completion of current mapping project							

**Part IV: Certification**

<p>“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.”</p>	
Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: Dan Jerram	Print name: Dan Jerram & Christine Hayward
Signature / Date: 1/12/2024	Signature / Date: 1/12/2024
Email: <a href="mailto:djerram@newhartfordct.gov">djerram@newhartfordct.gov</a>	Email: <a href="mailto:djerram@newhartfordct.gov">djerram@newhartfordct.gov</a> <a href="mailto:chayward@newhartfordct.gov">chayward@newhartfordct.gov</a>