



## **CITY OF HARTFORD**

### **2025 ANNUAL REPORT**

[January 1, 2025 – December 31, 2025]

# **General Permit for the Discharge of Stormwater from Small Municipal Separate Stormwater Sewer Systems (MS4 General Permit)**

Permit Number GSM-000062

## Executive Summary

This document presents the Stormwater Management Plan (SWMP) Annual Report for the City of Hartford. The SWMP Annual Report was developed to provide a summary of the City's progress towards implementing the best management practices (BMPs) for the six Minimum Control Measures outlined in the SWMP to meet the requirements of the Connecticut Department of Energy & Environmental Protection (DEEP) General Permit for the Discharge of Stormwater from Small Municipal Separate Storm Sewer Systems (MS4 General Permit) to the maximum extent practicable from January 1, 2025 to December 31, 2025.

The Annual Report includes a written discussion of the status of compliance with the MS4 General Permit, all monitoring data collected and analyzed, and all other information collected and analyzed, and follows the UCONN CLEAR MS4 Annual Report template.

The Annual Report was available for public review for 30 days at the Public Works Department Administrative Offices and on-line at: <https://www.hartfordct.gov/Government/Departments/Public-Works/Engineering-Division#section-4>



1-1 Implement public education and outreach (Continued)	<p>- issues with dumping waste into catch basins (post was shared by MDC)</p> <p>- Household hazardous waste collection</p> <p>Hartford Green Infrastructure Handbook</p>		On-line	Developers, Residents			<a href="https://circa.uconn.edu/wp-content/uploads/sites/1618/2018/09/Green-Infrastructure-Handbook.pdf">https://circa.uconn.edu/wp-content/uploads/sites/1618/2018/09/Green-Infrastructure-Handbook.pdf</a>
1-2 Address education/outreach for pollutants of concern	<p>The DPW website includes a link to DEEP's Sewage Right-to-Know website concerning combined sewer overflows and sanitary sewer overflows. It also has a link to the MDC Backwater Valve Program</p> <p>The DPW Engineering Stormwater Management webpage includes information on the impacts of pet waste, fertilizer, inflow and infiltration</p> <p>Hartford's dog registration website has a Dog Owner's Guide that includes information about the requirement of picking up dog waste and that a violation of this ordinance will result in a \$50 fine. This information was also posted twice to Hartford 311 social media</p> <p>MDC website and brochure provide information on their Sewer Backup Prevention Program, Backwater Valve Program, and Private Property Inflow Disconnect Program</p>		On-line	Residents	One post to social media or info on website addressing Stormwater Pollutants of Concern	DPW/Frank Dellaripa P.E.	<a href="https://www.hartfordct.gov/Government/Departments/Public-Works">https://www.hartfordct.gov/Government/Departments/Public-Works</a>
			On-line	Residents			<a href="https://www.hartfordct.gov/Government/Departments/Public-Works/Engineering-Division#section-4">https://www.hartfordct.gov/Government/Departments/Public-Works/Engineering-Division#section-4</a>
			On-line and social media	Residents			<a href="https://www.hartfordct.gov/Government/Town-and-City-Clerk/Town-Clerk-Services/Dog-Registration">https://www.hartfordct.gov/Government/Town-and-City-Clerk/Town-Clerk-Services/Dog-Registration</a>
			On-line	Residents			<a href="https://themdc.org/utility-services/backwater-valve-program/">https://themdc.org/utility-services/backwater-valve-program/</a>  <a href="https://themdc.org/wp-content/uploads/2020/01/Sewer-BackupPrevention-Final-2.pdf">https://themdc.org/wp-content/uploads/2020/01/Sewer-BackupPrevention-Final-2.pdf</a>

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

The DPW will be updating its dedicated stormwater management page under the Engineering Division. Hartford 311 will post about stormwater sensitive “mowing & blowing” techniques at the start of growing season and proper leaf management at the start of leaf collection. Hartford 311 will also re-post about properly cleaning up pet waste and not dumping any waste into a catch basin.

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

**2.1 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’)	Location Posted	Additional details
2-1 Final Stormwater Management Plan publicly available and comply with public notice requirements for Annual Reports (annually by 2/15)	Complete	The City’s SWMP and annual report are publicly available at the DPW Administrative Offices and on-line	All required notices posted by deadline	DPW/Frank Dellaripa P.E.	Notice of public availability posted 1/8/26, the annual report will be posted by 2/13/26	DPW Admin Offices 50 Jennings Road, Hartford / <a href="https://www.hartfordct.gov/Government/Departments/Public-Works/Engineering-Division#section-4">https://www.hartfordct.gov/Government/Departments/Public-Works/Engineering-Division#section-4</a>	
2-2 Stormwater Committee Meetings (annually by 12/31)	Complete	Stormwater Committee Meetings were held 1/24/25 and 2/13/25	One meeting held annually	DPW/Frank Dellaripa P.E.	Ongoing		
2-3 Sponsor community participation event (annually by 12/31)	Complete	Public Survey for the Kane and Kennedy Brook Watershed Areas Storm Drainage Analysis to address chronic flooding issues and improve stormwater management 9/5/25 to 11/27/25  MDC Annual Household	One event held annually	DPW/Frank Dellaripa P.E.	4/15/23		<a href="https://themdc.org/environment-">https://themdc.org/environment-</a>

<p>2-3 Sponsor community participation event (Continued)</p>		<p>Hazardous Waste Collection Event held 10/25/25</p> <p>Love Hartford Week clean-ups at various parks and streets 10/21/25 to 10/25/25</p> <p>Friends of Goodwin Park Cleanup held 5/10/25</p> <p>Frog Hollow Chamber Community Clean Up held 5/17/25</p> <p>Hartford Cleans Up - KNOX supplies trash bags, litter picks, rakes, and brooms to empower hundreds of volunteers cleaning up Hartford neighborhoods</p> <p>Adopt Your Block – Clean Up Trailer is an anti-litter tool lending library. Neighbors get together, pick a location, set a date and the City brings the tools.</p> <p>Hartford Neighborhood Ambassador Program provides formerly</p>					<p><a href="https://health-safety/household-hazardous-waste-collection/">health-safety/household-hazardous-waste-collection/</a></p> <p><a href="https://knoxhartford.org/volunteer/">https://knoxhartford.org/volunteer/</a></p> <p><a href="https://www.hartford.gov/Government/Departments/MayorArulampalam/Community-Engagement/CE-Programs/Trailer">https://www.hartford.gov/Government/Departments/MayorArulampalam/Community-Engagement/CE-Programs/Trailer</a></p> <p><a href="https://www.hartford.gov/Government/Departments/MayorLukeBronin/Mayor-">https://www.hartford.gov/Government/Departments/MayorLukeBronin/Mayor-</a></p>
--	--	---	--	--	--	--	---



### 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)	Complete	Written IDDE Program approved by the Hartford Court of Common Council on 12/11/23.	Develop written plan of IDDE program	DPW/Frank Dellaripa P.E.	12/11/23	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	In Progress	The City is working with the MDC to identify MS4 systems vs. combined systems and ownership.	Outfall and Interconnections inventory and map completed	DPW/Frank Dellaripa P.E.	MDC and the City entered a memorandum of understanding on 1/14/2025. A two-year goal was established to investigate and determine ownership of the stormwater infrastructure to develop the required mapping.	A draft separated stormwater system map has been developed by the MDC. The DPW developed a draft map of outfalls and systems owned by the City. Research and coordination activities on ownership of additional stormwater infrastructure is on-going.
3-3 Implement citizen reporting program (Ongoing)	Ongoing	The "Hartford 311" call center provides a secure way to report, track, and resolve problems or issues residents may have	Formal written program developed	DPW/Frank Dellaripa P.E.	311 System used since prior to 2017 Anticipate improving the program by 6/30/26	
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	In Progress	Sections 2N, 2O, and 5 of the MDC Sewer Ordinances address illicit discharges to MDC storm drains in Hartford; Currently under the City of Hartford Municipal Code, Section 17-4 prohibits the discharge of pollutants, contaminants, etc. with fines and penalties for violations but does not specifically address or define illicit discharges.	Ordinance passed by City Council	DPW/Frank Dellaripa P.E.	Anticipate submitting to Court of Common Council by 12/31/26	
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Ongoing	The Hartford 311 Call Center tracks all reports of illicit discharges	IDDE tracking spreadsheet developed by deadline	DPW/Frank Dellaripa P.E.	IDDE tracking developed by 7/1/17	SSO Inventory is maintained by The MDC and is included in the MDC 2025 Annual Report

3-6 Address IDDE in areas with pollutants of concern	Ongoing	See Section 3.4 below	Areas with failing septic systems identified by the deadline; % of failing systems addressed annually	DPW/Frank Dellaripa P.E.	9/30/24	The MDC Long Term Control Plan identifies numerous projects to eliminate CSOs
3-7 Develop and maintain an inventory identifying all known locations where SSOs have discharged to the MS4 within the previous 5 years	Complete	SSOs are managed by the MDC. The MDC has developed and maintains the SSO inventory.	Inventory developed and updated upon occurrence but at least annually and included in the Annual Report	DPW/Frank Dellaripa P.E.	10/27/17	SSO Inventory is maintained by The MDC and is included in the MDC 2025 Annual Report

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

The City anticipates identifying MS4 systems vs. combined systems and determining ownership with the MDC. The city will continue dry weather outfall evaluations for City owned MS4 outfalls in 2026 and will update its ordinance to include illicit discharges. DPW is working on recommendations to the 311 System to improve MS4 reporting, tracking, coordination and response.

**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.

**Note:** SSO Inventory is maintained by The MDC and is included in the MDC 2025 Annual Report.

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)
95 Sisson Avenue (at Capitol Ave.)	12/13/24	MS4	Unknown			NA

**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
The Department of Health and Human Services (HSS) Environmental Health Division regulates septic systems in Hartford. Due to extensive development, the majority of the City is served by the MDC sanitary sewer system. According to the HSS Environmental Health Division, there is a small area where septic systems may exist but exact locations are unknown. HSS Environmental Health Division did not respond to the request for reports of failed septic systems in 2025 by the time this report was completed.				

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

After a citizen reports a concern to the Hartford 311, it is issued a case number and is logged into an advanced tracking system that allows the appropriate department to take ownership and respond appropriately. The status of the concern can be checked by the case number. The Hartford Office of Community Engagement tracks the 311 calls and the Department of Public Works is responsible for tracking responses to those reports.

### 3.6 IDDE reporting metrics

The following metrics have been based on estimates given the large number of infrastructure with unknown ownership in the MDC database. These numbers are expected to significantly change as the MDC and the City research and verify ownership.

Metrics	
Estimated or actual number of MS4 outfalls	Unknown
Estimated or actual number of interconnections	Unknown
Outfall mapping complete	+/-15%
Interconnection mapping complete	10%
System-wide mapping complete (detailed MS4 infrastructure)	13%%
Outfall assessment and priority ranking	0%
Dry weather screening of all High and Low priority outfalls complete	20%
Catchment investigations complete	13%
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).

Illicit discharge identification and reporting training is given to DPW operations staff during annual environmental training. Staff are trained to identify illicit discharges and what the exceptions are, and who to report an illicit discharge to upon discovery.

## 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
4-1a Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	Ongoing	The City has established and implemented land use regulations to control construction site runoff in Section 6.14 (Stormwater & Low Impact Development) and 6.16.3 (Soil Erosion & Sediment Control) of the Zoning Regulations.	Existing E&S control and stormwater regulations reviewed and revised as necessary by deadline	Department of Development Services/Judith Rothschild, Deputy Director	Anticipate completion 12/31/26	The City's LID regulations incorporate by reference the Connecticut Stormwater Quality Manual to improve the quality of stormwater runoff from a site. Section 6.14 last revised 12/13/22
4-1b Establish interagency or inter-jurisdictional agreements (Ongoing)	In progress	MDC and the City entered a memorandum of understanding on 1/14/2025.  The Town of West Hartford notified the City of ten locations where the Town's storm drainage system interconnects. It has not been determined if they are interconnected to the City's drainage system or the MDC's drainage system.	Interagency or inter-jurisdictional agreements established by deadline	DPW/Frank Dellaripa P.E.	City/MDC MOU Executed 1/14/25	Potentially interconnected MS4s that have been tentatively identified include West Hartford, Bloomfield, Newington, various state properties and CTDOT
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	Complete	The City has implemented interdepartmental coordination in site plan review and approval	Plan developed and implemented by deadline	Department of Development Services/Judith Rothschild, Deputy Director	Before 7/1/17	

4-3 Review site plans for stormwater quality concerns (Ongoing)	Ongoing	100% of site plans were reviewed for stormwater quality concerns	100% of site plans received are reviewed prior to approval for E&S control to prevent or minimize impacts to water quality	Department of Development Services/Judith Rothschild, Deputy Director	Ongoing	91 site plans were received, and all were reviewed for E&S control in 2025
4-4 Conduct site inspections (Ongoing)	Ongoing	DDS conducts site inspections prior to Certificates of Occupancy (COPC) being issued	Formal inspection checklist reviewed/revise as necessary by deadline, 100% of site inspections conducted for all sites constructed within reporting period, and percent of resolutions achieved after discovery of deficiency	Department of Development Services/Judith Rothschild, Deputy Director	Ongoing	35 COPC inspections were conducted by planning in 2025
4-5 Implement procedure to allow public comment on site development (Ongoing)	Ongoing	Currently any project requiring approval by a land use agency or commission is presented at a public meeting.	Public meetings held by Planning, Zoning and Inland Wetlands Agency for 100% of eligible projects; 100% of projects posted on City website when not presented at a meeting	Department of Development Services/Judith Rothschild, Deputy Director	Ongoing	21 Planning & Zoning Commission/Inland Wetlands Commission meetings were held in 2025 – no projects requiring such review were posted online instead of in a meeting.
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	Ongoing	The City notifies Contractors and developers that they must submit a registration for the Stormwater Construction General Permit	Flyers provided in 100% of preconstruction meetings and land use application reviews	Department of Development Services/Judith Rothschild, Deputy Director	Ongoing	DDS refers to the DEEP General Permit in its Land Use Regulations and Site Plan Review Checklists which point to the DEEP website

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

DDS will review land use regulations in the context of the General Permit Part 6.a.4.A.i.d to determine additional language that will strengthen and clarify the requirements of property owners for a long-term maintenance plan and schedule. DDS will enhance it's procedures to notify developers about DEEP construction stormwater permit. DDS expects to increase inspections during construction prior to COPC inspections once the department is fully staffed.

## 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)	Ongoing	The City has established and implemented land use regulations regarding Low Impact Development and runoff reduction in site planning per Section 6.14 (Stormwater & Low Impact Development) last revised 12/13/22. Other sections of the City's Zoning Regulations include guidelines for the elimination of minimum parking requirements, significant reduction in impervious surface is through the requirements for the design of new surface parking areas and existing parking areas that are subject to modification or improvement (Sections 6.10 and 7.3), and standards that incorporate strong protections for existing trees (Section 6.4.1).	1) Legal authority established for LID and runoff reduction practices; 2) Identification and, where appropriate, reduction or elimination of existing local regulatory barriers to implementing LID and runoff practices; and 3) Consideration of the watershed protection elements to manage the impacts of stormwater on receiving waters implemented	Department of Development Services/Judith Rothschild, Deputy Director	12/31/26	
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	Complete	Regulations require developers to manage the initial 1.3 inches of rainwater on their properties, where feasible.	Percent of Water Quality Volume retained	Department of Development Services/Judith Rothschild, Deputy Director	7/1/19	

5-3a Identify retention and detention ponds in priority areas (Due 7/1/20)	Not started		Identify City-owned retention and detention ponds in priority areas	DPW/Frank Dellaripa P.E.	Anticipate completion 12/31/26	
5-3b Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	Not started		Inspect 100% of City-owned stormwater basins and treatment structures annually	DPW/Frank Dellaripa P.E.	Anticipate completion 12/31/26	
5-4 DCIA mapping (Due 7/1/20)	In progress	The DPW GIS division created an impervious surface map	Calculate DCIA for all outfalls	DPW/Frank Dellaripa P.E.	Anticipate developing a Program to track DICA by 12/31/26	<a href="https://hartfordclimate.files.wordpress.com/2016/12/map-gis-nrz_impervious_surface.pdf">https://hartfordclimate.files.wordpress.com/2016/12/map-gis-nrz_impervious_surface.pdf</a>
5-5 Address post-construction issues in areas with pollutants of concern	Not started		Plan for correcting problems identified under BMP 5-3b developed within 12 months of identification; 100 % of identified problems corrected within required timeframe	DPW/Frank Dellaripa P.E.	Anticipate completion 12/31/26	
5-6 Implement and maintain any control measures or conditions for New Discharge to an Impaired Water without an Established TMDL	Not started		100% of control measures or conditions implemented and maintained	DPW/Frank Dellaripa P.E.	Anticipate completion 12/31/26	

5-7 Additional requirements for all new and existing discharges to a water with an Established TMDL or with a Pollutant Load Reduction	Not started		100% of the discharge requirements consistent with the applicable Wasteload Allocations, Load Allocations or Water Quality Targets for that TMDL followed for new authorized discharges to a water with a TMDL or with a pollutant load reduction established within the TMDL	DPW/Frank Dellaripa P.E.	Anticipate completion 12/31/26	
--	-------------	--	---	--------------------------	--------------------------------	--

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

The City will conduct a final review of Hartford’s LID regulations located in several sections of the Zoning Regulations to determine if any minor adjustments are necessary.

**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)	5,287.4 acres
DCIA disconnected (redevelopment plus retrofits)	0 acres this year / 0 acres total
Retrofit projects completed	0
DCIA disconnected	0% this year / 0% total since 2012
Estimated cost of retrofits	\$0
Detention or retention ponds identified	0 this year /0 total

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

DCIA taken from UCONN CLEAR MS4 mapping data for total impervious cover without taking into account potentially disconnected areas

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

### 6.1 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
6-1 Develop/implement formal employee training program (Ongoing)	Ongoing	Environmental Training provided to all DPW operations divisions at least quarterly to ensure all employees receive annual training	100% of required operational employees trained annually	DPW/Frank Dellaripa P.E.	3/19/25 4/30/25 7/23/25 10/8/25	184 of 190 (97%) operational employees trained in 2025 for Industrial and MS4 stormwater permits, IDDE, and spill prevention and response.
6-2a Minimize the discharge of pollutants to MS4 from parks and open space management (Ongoing)	Ongoing	"Low mow zones" at Keney, Goodwin, Pope, Colt, Elizabeth and Brackett Parks	100% of existing SOP's reviewed and updated by deadline.	DPW/Frank Dellaripa P.E.	Ongoing	Low mow zones are planted with meadow plants instead of traditional turf
6-2b Minimize the discharge of pollutants to MS4 from pet waste (Ongoing)	In Progress	The City's website for dog registration includes a User's Guide  Colt Park has five dog waste stations and Riverside Park has one dog waste station available for the public to clean up after their dogs	1) Locations with inappropriate pet waste management identified; and 2) % of locations where compliance activities are complete.	DPW/Frank Dellaripa P.E.	Ongoing	User's Guide informs the public that picking up of dog feces is required at all times and violation of this municipal ordinance will result in a \$50 fine <a href="https://www.hartfordct.gov/Government/Town-and-City-Clerk/Town-Clerk-Services/Dog-Registration">https://www.hartfordct.gov/Government/Town-and-City-Clerk/Town-Clerk-Services/Dog-Registration</a>  DPW reminds the public on social media of the importance of cleaning up pet waste

6-2c Minimize the discharge of pollutants to MS4 from waterfowl (Ongoing)	In Progress	Hartford Parks prohibit feeding of waterfowl	1) Lands where waterfowl congregate identified; 2) % of identified lands that have signs installed or other targeted techniques to educate public and discourage feeding; 3) % of identified lands that have practices implemented to prevent congregation and/or the areas of direct drainage isolated	DPW/Frank Dellaripa P.E.	Ongoing	
6-2d Minimize the discharge of pollutants to MS4 from buildings & facilities (Ongoing)	In progress	All parking lots swept annually as per Street Sweeping SOPs.	1) Procedures developed and implemented for dumpsters; 2) Parking lots swept annually; 3) Non-SWPPP facilities evaluated to ensure no interior floor drains connect to the MS4	DPW/Frank Dellaripa P.E.	Ongoing	The City has a SWPPP Plan for the DPW Yard and the DEEP has a SWPPP Plan for the Municipal Transfer Station & closed landfill. The City has SPCC plans for 10 City-owned facilities.
6-2e Minimize the discharge of pollutants to MS4 from municipal vehicle and equipment maintenance (Ongoing)	Ongoing	All vehicles are washed in designated areas at the DPW garage where wash water is directed to an oil/water separator and then the sanitary sewer system	1) Procedures established for Town vehicle storage; 2) Procedures established to ensure that vehicle wash waters are not discharged to the MS4 or to surface waters.	DPW/Frank Dellaripa P.E.	Ongoing	
6-2f Minimize the discharge of pollutants to MS4 from leaf management (Ongoing)	Ongoing	The City has a Leaf Collection Program where leaves are collected city-wide in the fall and spring, leaves are collected year-round at transfer station and brought to a compost facility, Streets are swept in the fall	Problem streets swept annually in the fall as part of BMP #6-9; Educational information provided on the City website	DPW/Frank Dellaripa P.E.	Ongoing	<a href="https://www.hartfordct.gov/Government/Departments/Public-Works/DPW-Services/Leaf-Collection">https://www.hartfordct.gov/Government/Departments/Public-Works/DPW-Services/Leaf-Collection</a>  Christmas tree collection 1/6/25 to 2/21/25  Spring Yard Waste Collection 4/7/25, 4/14/25 & 4/21/25  Summer Yard Waste Collection every 4 <sup>th</sup> week Jun - Sep  Fall Leaf Collection 11/2/25 to 12/20/25
6-3 Implement coordination with interconnected MS4s	In Progress	MDC MOU executed on 1/14/25; City and MDC formed Joint MS4 Committee	Interconnected MS4 coordination implemented	DPW/Frank Dellaripa P.E.	MOU with MDC Completed 1/14/25	Joint MS4 Committee met on 2/4/25, 3/20/25 and 6/23/25 to discuss coordinating mapping, infrastructure ownership, and catch basin cleaning routes. The committee formed a GIS

						Working Group and an Ownership Determination Working Group.
6-4 Develop/implement program to control other sources of pollutants to the MS4	In Progress	City used a contractor and in-house staff for maintenance and debris cleanup efforts  North Branch Park River Watershed Management Plan  Kane and Kennedy Brook Watershed Areas Storm Drainage Analysis	Program developed and implemented to control the contribution of pollutants to MS4 by deadline	DPW/Frank Dellaripa P.E.	Ongoing	Debris removal activities were conducted at the following locations: <ul style="list-style-type: none"> <li>• Kane Brook Culvert (debris removal from a manhole, including removing a telephone pole)</li> <li>• Gully Brook inlet</li> <li>• Cemetery Brook in vicinity of Chandler Street</li> <li>• North Branch inlet of the Park River Conduit</li> </ul> Project goals are to advance green infrastructure implementation in North Branch Park River watershed and update 2010 watershed management plan  Project goals are to address chronic flooding issues and improve stormwater management
6-5 Evaluate additional measures for discharges to impaired waters	Ongoing	See Activities in Current Reporting Period for BMP 6-4 above	Additional measures implemented	DPW/Frank Dellaripa P.E.	Ongoing	See Additional Details for BMP 6-4 above
6-6 Track projects that disconnect DCIA (Ongoing)	In progress	The Office of Sustainability had previously tracked green infrastructure projects but the information is no longer available	The total amount of DCIA that has been disconnected during a given year	DPW/Frank Dellaripa P.E.	Anticipate developing a Program to track DICA by 12/31/26	
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	Not Started		Program developed and implemented by deadline	DPW/Frank Dellaripa P.E.	Based on the MDC / City MOU 2-year milestone to address the ownership issue, anticipate	

					completion 12/31/26	
6-8a Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	Not Started		Plan developed by deadline	DPW/Frank Dellaripa P.E.	Based on the MDC / City MOU 2-year milestone to address the ownership issue, anticipate completion 12/31/26	
6-8b Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	Not Started		2% DCIA disconnected by deadline	DPW/Frank Dellaripa P.E.	Based on the MDC / City MOU 2-year milestone to address the ownership issue, anticipate completion 12/31/26	
6-9 Develop/implement street sweeping program (Ongoing)	Complete	The City completed annual sweeping goals	Sweep all residential roadways twice/year, sweep City-owned parking facilities once annually	DPW/Frank Dellaripa P.E.	By 7/1/17	533.18 tons of street sweepings were collected this year.
6-10 Develop/implement catch basin cleaning program (Ongoing)	Ongoing	The MDC manages catch basin cleaning throughout the portions of the MS4 infrastructure owned or controlled by the MDC. The City manages catch basin cleaning throughout the portions of the MS4	MDC utilizes its current catch basin SOP to clean at least 3,500 catch basins per year and inspect the remaining catch basins at least once per year. The optimal cleaning frequency for both the MDC and the City will be determined based on the requirements of Section 6(a)(6)(D)(ii)(f) of the MS4 General Permit.	DPW/Frank Dellaripa P.E.	Ongoing	The MDC catch basin cleaning report is included in the MDC 2025 Annual Report.  The City inventoried and inspected 345 catch basins at 18 City owned Parks and four facilities in 2025. 262 catch basins were cleaned.

		infrastructure owned or controlled by the City.				
6-11 Develop/implement snow management practices (Due 7/1/18)	Ongoing	The City followed standard operating procedures for snow management practices and all employees received on-the-job training on equipment	1) SOPs implemented and refined, 2) Percent of operational staff trained on application methods and equipment; and 3) optimization goals for sand and/or chemical application rates met annually	DPW/Frank Dellaripa P.E.	Ongoing	Service vendor re-calibrates electronic spreaders annually, all conveyer settings are set to the proper calibration rate for optimal levels according to the manufacturer's instructions (average 300 pounds per lane mile); prior to each storm, the truck gate opening is checked to ensure even flow of material by making sure both sides of the reflective tape are lined up (2" opening)

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

The DPW will work with DDS and Office of Sustainability to track projects that disconnect DCIA, implement infrastructure repair/rehab program, and develop a plan to identify/prioritize retrofit projects and disconnect DCIA. The City will provide outreach to commercial stormwater permittees to ensure they are sweeping paved areas and cleaning catch basins. The City will continue to utilize a contractor to clean City-owned catch basins and make repairs if issues are identified. The City will continue to inventory and clean City-owned catch basin as ownership research is coordinated with the MDC. The City is developing a guidance document for cleaning catch basins by facility. The City is inventorying its parks to determine areas affecting water quality and opportunities for improvement.

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	yes / 3/19/25, 4/30/25, 7/23/25, & 10/8/25
Street sweeping	
Curb miles swept	14,785 miles
Volume (or mass) of material collected	533.18 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)	TBD
Total catch basins town- (or institution-) wide	TBD
Catch basins inspected	345 City-owned Catch Basins inspected
Catch basins cleaned	262 City-owned Catch Basins cleaned
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	ClearLane treated salt, Morton Safe-T-Salt, & brine solution (23.3% mix)
Total amount of each deicing material applied	5,416.64 tons ClearLane 1688.59 tons Morton Safe-T-Salt
Type(s) of deicing equipment used	Fleet of 6 & 10 wheel trucks w/ speed control; various smaller plow vehicles w/o speed control; some storms various sanitation vehicles are outfitted w/ plows; two 1,500-gal brine tankers; payloader with scale
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	217.7 miles
Snow disposal location	City Parking Lots located at #63 & #80 New Road
Staff training provided on application methods & equipment	Yes / On-the-job training provided
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	Not Applicable
Reduction in application of fertilizers (since start of permit)	The City uses fertilizer at 5 ballfields located in two of the City's Parks (Colt Park and Pope Park). The City's contractor uses a Three Application Program where a slow-release nitrogen fertilizer is applied in the spring and fall which releases by temperature so that each application lasts three months.
Reduction in turf area (since start of permit)	City reduced 80 acres of turf by converting to Low Mow Zones
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	
Cost of mitigation actions/retrofits	Not tracked

#### 6.4 Catch basin cleaning program

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

The MDC manages catch basin cleaning throughout the portions of the MS4 infrastructure owned or controlled by the MDC. The MDC catch basin cleaning report is included in the MDC 2025 Annual Report. The City inventoried and inspected 345 catch basins at 18 City-owned Parks and four City-owned facilities in 2025. 262 catch basins were cleaned. The City will continue to inventory and clean City-owned catch basins as they are identified in coordination with the MDC.

#### 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)**

Retrofit program not started.

**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)**

Retrofit program not started.

## 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.

The MDC Impaired Waters Outfall Investigation and Monitoring Program is described in the MDC 2024 Annual Report attached as an appendix.

## 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.

The MDC screening data for outfalls to impaired waterbodies is included in the MDC 2024 Annual Report attached as an appendix.

Outfall ID	Latitude / Longitude	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	E-Coli Results col/100 ml	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)	<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
TOW #M1-214002	<p>The COH forwarded a letter to the MDC that was prepared by the Town of Wethersfield (TOW) dated May 20, 2020 that had identified elevated bacteria of 24,200 col/100ml at TOW #M1-214002 located to the east of the intersection of Silas Deane Highway and Hartford Avenue near the Hartford city line. The TOW screening sample was taken on December 21, 2018 during a 2.3" + rain event equivalent to a 1-year storm. As a result of the storm event, the MDC Franklin Avenue Combined Sewer Overflow (CSO) regulators were activated due to the size of the storm, which discharge to the 72" Franklin Avenue Storm Drain, that required MDC to open the DEEP permitted CSO regulator F-5 which discharges to the Wethersfield outfall #M1-214002.</p> <p>MDC performed a follow up dry weather sampling event at the Wethersfield outfall #M1-214002 on August 24, 2020. Prior to sampling MDC visually confirmed that CSO regulator F-5 had no flow and was closed. It was identified that there was a significant flow at the Wethersfield outfall during sampling. The outfall sample results measured fecal coliform at &gt;2,420 mprn/100ml. The source of the elevated bacteria is unknown.</p>	MDC suggests that additional investigation is performed in conjunction with the TOW and COH to identify the source of bacteria.

### 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.

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

### Part III: Additional IDDE Program Data

The IDDE Program was not started in 2024. The City is working with the MDC to identify MS4 systems vs. combined systems and ownership.

#### 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

#### 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

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. Only include Pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

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
OF-44	41.79778/ -72.70778	6/24/25									
OF-151	41.740112/ -72.698216	6/24/25	0.025 mg/L	0 mg/L	739 µS/cm	370 ppm	345/100ml	0.025 mg/L	74.3 °F	NA	
OF-152	41.74138/ -72.699803	6/24/25	0.025 mg/L	0 mg/L	748 µS/cm	349 ppm	987/100ml	0.025 mg/L	73.4 °F	NA	
OF-154	41.742207/ -72.701403	6/24/25	<0.05 mg/L	0 mg/L	755 µS/cm	374 ppm	1,040/100ml	0.025 mg/L	75.38 °F	NA	

OF-553	41.797152/ -72.667919	6/24/25									
OF-556	41.729182/ -72.670846	6/24/25									
OF-557	41.743355/ -72.705657	6/24/25									

## 2.2 Wet weather sample and inspection data

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

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

## 1. 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

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

**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

### 3.3 Wet weather investigation outfall sampling data

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

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

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

## Part IV: Certification

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

Duly Authorized Representative

Document Prepared by

Print name:  
Christopher Hayes

Print name:  
Kristin Doundoulakis

Signature / Date:	Signature / Date:
Email: <a href="mailto:Christopher.Hayes@hartford.gov">Christopher.Hayes@hartford.gov</a>	Email: <a href="mailto:Kristin@Atlas-Environmental.com">Kristin@Atlas-Environmental.com</a>

