



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

# **DRAFT 2023 MS4 ANNUAL REPORT**

City of Ansonia

July 1, 2024

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Engineers | Environmental Specialists





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Small Municipal Separate Storm Sewer Systems

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**MS4 General Permit**  
**City of Ansonia 2023 Annual Report**  
 Existing MS4 Permittee  
 Permit Number GSM 000098  
 January 1, 2023 – December 31, 2023

This report documents the City of Ansonia’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**

MS4 General Permit Section 6(a)(1) / page 19, requires the City to “implement a public education program to distribute educational materials to the permittee’s community or conduct equivalent outreach activities about the sources and impacts of stormwater discharges on waterbodies and the steps that the public can take to reduce pollutants in stormwater runoff.”

**1.1 BMP Summary**

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
1.1 Implement public education and outreach	In progress	The City’s Public Works Department <a href="#">website</a> contains links to the 2017 Stormwater Management Plan and the 2021 Stormwater Annual Report.  The City’s website also contains a direct link to the Ansonia Nature Center’s <a href="#">website</a> , which offers several educational programs related to responsible environmental stewardship.	Link to educational resources on City website. Develop and Distribute Material to Public Annually	Superintendent of Public Works	07/01/17	Ongoing, additional educational materials planned for 2024.	

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	In progress	The City is working to develop educational materials for specific pollutants of concern, which will be distributed and posted in 2024.	Link to educational material on City website. Develop and Distribute Information on Bacteria Pollution, Impervious Area materials for targeted pollutants	Superintendent of Public Works	07/01/17	Ongoing, additional educational materials planned for 2024.	

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

The following activities are planned for 2024:

1. Develop educational materials to be posted online on the City’s Department of Public Works information page, as well as distributed in print at City Hall and the Ansonia Library:
  - a. Pet Waste (bacteria)
  - b. Lawn Care (nitrogen + phosphorus)
  - c. Proper Mercury Disposal
  - d. Impervious Cover
  - e. Why Stormwater Matters
2. Identify other potential venues for dissemination of stormwater educational materials, such as signage at parks, displays at farmers markets, and other opportunities to increase available messaging.

### 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.
City Residents	City Residents (number of page visitors unknown)	Stormwater Management Plan, Annual Report		Superintendent of Public Works

## 2. Public Involvement/Participation

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

### 2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2.1 Comply with public notice requirements for the Stormwater Management Plan and Annual Report	Plan: Complete  2023 Report to be posted 07/01/2024	None.	Notify public of published Stormwater Management Plan and/or Annual Report and document comments received	Superintendent of Public Works	Plan: 04/01/17  Reports: Annually by 01/31 following permit term	Plan: 04/01/2017  Report: Projected 07/01/2024	
2.2 Conduct household hazardous waste collection	Ongoing, Complete for 2023	The City of Ansonia is part of a 15-member collection of communities that participates in regional Household Hazardous Waste Collection Days.  In 2023, two collection efforts were sponsored by NVCOG, and open to Ansonia residents.	(Not in initial plan) Conduct at least one Household Hazardous Waste Collection Day per year for the Ansonia community. Notify residents about Household Hazardous Waste Collection dates through the City website.	Superintendent of Public Works	12/31/23	Completed: 09/22/2023	



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

The following activities are planned for 2024:

1. Publish notice of 2023 Annual Report Posting.
2. Conduct at least one Household Hazardous Waste Collection Day, currently scheduled for April 2024.

**2.3 Public Involvement/Participation reporting metrics**

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	04/01/2017	<a href="https://www.cityofansoniam.com/filestorage/8192/8194/8269/Final_2017_Ansonia_SMP_w_Appendicies.pdf">https://www.cityofansoniam.com/filestorage/8192/8194/8269/Final_2017_Ansonia_SMP_w_Appendicies.pdf</a>
Availability of 2022 Annual Report announced to public	No		

### 3. Illicit Discharge Detection and Elimination

As required by MS4 General permit 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	In progress	The City is developing a written IDDE plan.	Develop written IDDE Program.	Superintendent of Public Works	07/01/18	Projected: 06/30/2024	
3.2 Develop list and maps of all MS4 stormwater outfalls in priority areas	In Progress	The City developed a list of outfalls with coordinates in 2004, which was updated in 2017.	The City will develop a database and update its existing outfall map to include information required by the permit for stormwater discharges from a pipe or conduit located within the municipality. Currently, the map shows all outfall locations, identified with latitude and longitude, along with specifying the majority of pipe sizes.	Superintendent of Public Works	07/01/19	Projected: 12/31/2025	
3.3 Implement citizen reporting program	Complete	The City’s website features a banner with a green button prominently displayed in the upper right corner identified as “Report a Problem”, which citizens can use to report a problem. Incoming reports are routed to the appropriate City department.	Develop and implement procedure to track citizen complaints of illicit discharges. Update stormwater page on City website to include reporting process guidelines and contact information. Promptly	Superintendent of Public Works	07/01/17	Completed: 12/31/2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			investigate reported discharges. Update IDDE program with reported illicit discharge information as needed. Update Annual Report with reported illicit discharge information as needed.				
3.4 Establish legal authority to prohibit illicit discharges	Not Started	City ordinance 19-47 prohibits discharge of certain “polluted waters” to storm sewers and watercourses.	Establish legal authority in the City to eliminate illicit discharges. Implement and enforce the ordinance.	City Attorney	07/01/18	Projected: 06/30/2025	
3.5 Develop record keeping system for IDDE tracking	Complete	The City’s “Report a Problem” feature generates a request for service, where the City can add additional information may be added regarding activities undertaken to address an issue.	Develop and implement documentation procedures for illicit discharge abatement activities. Update Annual Report with required abatement activity information pursuant to the updated MS4 permit	Superintendent of Public Works	07/01/17	Completed: 12/31/2023	
3.6 Address IDDE in areas with pollutants of concern	Not started	None.	When developing the required DCIA reduction and/or retrofit plans required under MCM 6, The City will identify areas or properties likely to contribute to a pollutant of concern within the MS4. This assessment will consider: historic on-site sanitary system	Superintendent of Public Works	Not specified	Projected: 12/31/2025	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			failures, proximity to bacteria impaired waters, and available soil and groundwater information. Any areas determined to have a high potential for septic system failure will be evaluated for corrective action.				
3.7 Detailed MS4 Infrastructure Mapping	Not started	None.	The City will, to the maximum extent practicable, map the City's priority areas by the end of the 5-year permit term. To complete the updated mapping requirements in the timeframe specified in the permit (2022), the City will need resource support from NVCOG and NEMO. The specific resources to be made available by these programs are uncertain as of the date of this plan. The goal of completing a map of all priority areas by June of 2022 will be updated yearly in the annual reports as specific program support efforts are developed.	Superintendent of Public Works	07/31/22	Projected: 12/31/2025	

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

The following actions are planned for 2024:

1. Develop Written IDDE Plan.
2. Begin to identify interconnections to CTDOT, and neighboring municipal MS4s.
3. Continue to utilize online citizen service request system for reporting and tracking illicit discharges.
4. Develop draft illicit discharge ordinance that specifically addresses non-stormwater discharges, using the state model illicit discharge ordinance as a starting point.
5. Identify locations in the City that have higher potential for illicit discharges.
6. Develop an RFP and select a consultant to build out a full system map and to perform stormwater screening and sampling.

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

Date of Report	Location / suspected source	Response taken

**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)	Sampling data (if applicable)
19 Glen Drive 41.32565 N 73.04443 W	12/19/2023 26 hours	None	96,000 gallons	Heavy rainfall, 2” – 3” per hour	Bypass pumps stayed online until wet well went back to normal levels.	
19 Glen Drive 41.32565 N 73.04443 W	8/24/2023 45 minutes	Twomile Brook	6,000 gallons	Mechanical equipment failure	Pumps repaired	

**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 City utilizes the “Report a Problem” software package to keep track of active complaints, who was assigned follow-up, and summarizes the action taken.

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

Location and nature of structure with failing septic systems	Actions taken to respond to and address the failures	Impacted waterbody or watershed, if known
XXX septic permits were issued in 2023 for system failures.		

**3.7 IDDE reporting metrics**

Metrics	
Estimated or actual number of MS4 outfalls	92
Estimated or actual number of interconnections	Unknown
Outfall mapping complete	100%
Interconnection mapping complete	0%
System-wide mapping complete (detailed MS4 infrastructure)	0%
Outfall assessment and priority ranking	100%
Dry weather screening of all High and Low priority outfalls complete	0%
Catchment investigations complete	0
Estimated percentage of MS4 catchment area investigated	0%

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

No training was provided in 2023. The City has retained a consultant to perform training in 2024.

## 4. Construction Site Runoff Control

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

### 4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4.1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit	Ongoing, Completed for 2023	The City continues to require that developers, construction site operators, or contractors maintain consistency with the <i>2002 Guidelines for Soil Erosion and Sedimentation Control</i> , as amended.	Section 520.1.3 of the City of Ansonia Zoning Regulations requires compliance with the Connecticut Guidelines for Soil Erosion and sediment control, as amended.	Land Use Administrator	07/01/19	Ongoing, completed for 2023	
4.2 Develop/Implement plan for interdepartmental coordination in site plan review and approval	Ongoing, Completed for 2023	Incoming land use applications are routinely routed to other departments for review comments.	The City has established a protocol where the Land Use Department is the lead agency for implementing the Plan, and coordinates with other departments as needed.	Land Use Administrator	07/01/17	Ongoing, Completed for 2023	
4.3 Review site plans for stormwater quality concerns	Ongoing, Completed for 2023	The City continues to implement its existing practice of engineering comments and site inspections, and will update the site plan review process as needed to provide consistency with updated MS4 regulations. Site plan reviews incorporate consideration of	The City currently addresses the need for stormwater quality protection in its Zoning Regulations.	Land Use Administrator	07/01/17	Ongoing, Completed for 2023	



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		stormwater management practices to prevent or minimize impacts to water quality.					
4.4 Conduct site inspections	Ongoing, Complete for 2023	The City continues to implement its existing practice of engineering comments and site inspections, and will update the site plan review process as needed to provide consistency with updated MS4 regulations. Site plan reviews incorporate consideration of stormwater management practices to prevent or minimize impacts to water quality.	The City of Ansonia will perform construction site inspections and take enforcement actions if necessary to ensure the adequacy of the installation, maintenance, operation, and repair of all construction and post-construction runoff control measures.	Director of Land Use	07/01/19	Ongoing, Completed for 2023	
4.5 Implement procedure to allow public comment on site development	Ongoing, Completed for 2023	<p>The City has reviewed the procedure for collecting and reviewing citizen feedback regarding proposed and ongoing land disturbance and land development activities, and tracks such feedback using its citizen feedback system.</p> <p>The City also holds public hearings on certain site development applications in accordance with municipal regulations, which offer the public an</p>	The City of Ansonia currently has a procedure in place to allow the public to comment on site development projects. Public input is received during the public hearings that accompany the multiple boards and commissions that review or approve development plans. These boards or commissions include but are not necessarily	Director of Land Use	07/01/17	Ongoing, Completed for 2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		opportunity to comment on development proposals.	limited to the Planning and Zoning Commission, Inland Wetlands Commission and the Board of Alderman. Meetings are publicly noticed on the City’s website. Public comments received at these meetings are recorded in the meeting minutes. The public can also utilize the City’s Citizen Resource Center at any time, which provides an avenue for citizens to submit comments and service requests on City related issues.				
4.6 Implement procedure to notify developers about DEEP construction stormwater permit	Not Started	Not started.	The City of Ansonia will notify developers and contractors of their potential obligation to obtain authorization under DEEP’s General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities (construction general permit) if their project disturbs more than one acre of land and results in a point source	Director of Land Use	07/01/17	Projected: 12/31/2024	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			<p>discharge to Connecticut surface waters directly or through the City's MS4. The City will also require a copy of the Storm Water Pollution Control Plan be made available to the City on request. The procedure to notify developers of the construction general permit is handled by the City Engineer, who notifies the developer during plan review. The City will also consider additional measures to notify developers and contractors of their requirement. These efforts could include adding a standardized note to all development plans and/or adding notification on building permits.</p>				
4-7 Regulatory Flexibility for Additional Controls	Complete	The City has reviewed its existing regulatory process and has determined that no additional changes beyond those already identified in the Plan are required at this time.	The City will review its existing regulations regarding construction site stormwater controls; and existing goals are being substantially met.	Director of Land Use	07/01/18	Completed: 12/31/17	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4-8 Require Maintenance and Operation Plans	Ongoing, Complete for 2023	Where land use applications involve new or modified stormwater management facilities, the City requires operations and maintenance plans for the on-site stormwater systems and appurtenances.	The City already requires maintenance and operation plans for newly proposed stormwater management systems. Refer to Zoning Regulation 520.2.4 and 520.3.1.	Director of Land Use	07/01/19	Ongoing, Completed for 2023	
4-9 Interjurisdictional Agreements	Not Started	Not started.	Identify locations where Ansonia's MS4 discharges into the MS4 of a neighboring community, or CTDOT. Notify adjoining communities or CTDOT accordingly if signs of illicit discharges are found.	Superintendent of Public Works	07/01/18	Projected: 12/31/2024	

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

The following activities are planned for 2024:

1. Continue to enforce existing regulations.
2. Continue to utilize the City's tracking system to track citizen reports and concerns.
3. Formalize existing practices into Interdepartmental coordination plan.
4. Continue site review process, including requiring operation and maintenance programs.
5. Continue site inspection program.
6. Identify interconnected MS4s.
7. Notify land use applicants of their potential obligation to register for the Construction General Permit.
8. Begin implementation of the 2023 Connecticut Erosion and Sediment Guidelines.

## 5. Post-construction Stormwater Management

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

### 5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.1 Evaluate and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning	Complete	Ansonia's existing ordinances and procedures meet the requirements of the 2017 permit.	The City of Ansonia will establish the legal authority by ordinance or by other means to require, to the maximum extent practicable (MEP), developers and contractors seeking approval to consider the use of low impact development (LID) and runoff reduction site planning and development practices that meet or exceed those LID and runoff reduction practices in the CT Stormwater Quality Manual prior to other stormwater management practices allowed in City's land use regulations, guidance or construction project requirements. The NVCOG has reviewed the City's ordinance for compliance with this requirement. The City	Director of Land Use	07/01/22	Complete: 12/31/2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			will use this work to assist in updating the regulations.				
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects	Ongoing, Complete for 2023	Stormwater BMPs are required, and evaluated on a project-specific basis.	Update or develop regulations and/or design guidelines that require developers/contractors to first consider implementation of LID/runoff reduction measures for development and redevelopment projects in the City as specified in the MS4 permit.	Director of Land Use	07/01/22	Ongoing, Complete for 2023	
5.3 Maintenance and inspection of stormwater structures	Not started	Not started	Draft long-term maintenance plan for retention or detention ponds and stormwater treatment structures or measures.	Superintendent of Public Works	06/30/18	Projected: 12/31/2024	
5.4 DCIA mapping	Not started	Not started. Note: As of the date of this report, the 2012 state impervious coverage layer in combination with EPA Region 1's Sutherland Equations was used to compute the DCIA for the City.	Calculate the DCIA that contributes stormwater runoff to each MS4 outfall by July 1, 2020, and update calculations as DCIA is added or removed within the City.	Superintendent of Public Works	07/01/20	Projected: 07/01/2024	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.3 Identify retention and detention ponds in priority areas	Not started	Not started	Identify retention and detention ponds in priority areas.	Superintendent of Public Works	07/01/22	Projected: 12/31/2025	
5.4 Implement long-term maintenance plan for stormwater basins and treatment structures	Not started	Not started	Ansonia will develop a maintenance plan for retention / detention ponds and stormwater treatment structures that it owns or over which it holds an easement or other authority and that are located in the City's priority areas to ensure their long-term effectiveness. This plan will require an annual inspection of those retention / detention ponds and stormwater treatment structures and removal of accumulated sediment and pollutants in excess of 50% design capacity	Superintendent of Public Works	07/01/22	Projected: 12/31/2024	
5.5 Address post-construction issues in areas with pollutants of concern	Not started	Not started.	For areas contributing to waters where Nitrogen, Phosphorus or Bacteria is a Stormwater Pollutant of Concern and erosion or sedimentation problems are found	Superintendent of Public Works	Not specified	Projected: 12/31/2025	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			during the annual inspections conducted under the long-term maintenance plan described in BMP 5.2, Ansonia will prioritize those areas for the DCIA retrofit program under MCM 6 – Pollution Prevention/Good Housekeeping.				
5.6 Turf reduction	Not started	Not started	The City will review the need for requirements for turf reduction to preserve and enhance stream buffers where the opportunity arises.	Superintendent of Public Works	07/01/18	Projected: 07/01/25	
5.7 Require consistency with the 2004 Connecticut Stormwater Quality Manual	Ongoing, Complete for 2023	The City already requires consistency with the 2004 Stormwater Quality Manual.	Update regulations or policies for permit applicants to maintain consistency with the 2004 Stormwater Quality Manual.	Director of Land Use	07/01/18	Ongoing, Complete for 2023	
5.8 Coordination with Local Health Department	Ongoing, Complete for 2023	The local Health Department is included on application reviews as warranted.	Continue actively coordinating with local Health Department on MS4 Plan requirements.	Director of Land Use	07/01/18	Ongoing, Complete for 2023	



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

The following activities are proposed for 2024:

1. Address post-construction sediment and erosion control issues as they occur.
2. Continue to encourage preservation and enhancement of natural buffers.
3. Require consistency with the 2023 Stormwater Quality Manual.
4. Continue to enforce LID and runoff reduction requirements.
5. Continue to coordinate application reviews with the local Health Department.
6. Identify municipal stormwater detention ponds.
7. Develop maintenance protocols for municipal stormwater detention ponds.
8. Compute DCIA within the City.

### 5.3 Post-Construction Stormwater Management reporting metrics

#### Metrics

Baseline (2012) Directly Connected Impervious Area (DCIA)	TBD
DCIA disconnected (redevelopment plus retrofits)	0%
Retrofits completed	0
DCIA disconnected	0 acres
Estimated cost of retrofits	\$0
Detention or retention ponds identified	0

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

The City will start with the state's impervious coverage layer, and then evaluate each of the subwatersheds, and apply EPA Region 1's Sutherland Equations to each subwatershed to estimate DCIA.

## 6. Pollution Prevention/Good Housekeeping

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

### 6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.1 Develop/implement formal employee training program	Not started	Not started	Ansonia will continue its MS4 training program for City employees to increase their awareness of water quality issues.	Superintendent of Public Works	07/01/19	Projected: Fall 2024	
6.2 Implement MS4 property and operations maintenance	Ongoing, Complete for 2023	Handling of potential stormwater contaminants is addressed by the City's Stormwater Pollution Prevention Plan and its spill Prevention Control and Countermeasure Plan.	Ensure the petroleum and non-petroleum products at its facilities are properly handled via employee education and training. Develop and implement (i) Spill Prevention Plans at facilities as appropriate, (ii) management procedures for waste management equipment, and (iii) plans to sweep parking lots and keep facilities and their surrounding areas clean. Evaluate impacts of vehicle wash areas at public facilities, and develop best management practices to mitigate their impacts on water quality.	Superintendent of Public Works	07/01/18	Completed: 12/31/23	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.3 Implement coordination with interconnected MS4s	Not started	None. Coordination will begin when interconnections are identified.	Coordinate municipal operations with adjoining MS4s.	Superintendent of Public Works	Not specified	Projected: 06/30/25	
6.4 Develop/implement program to control other sources of pollutants to the MS4	Ongoing, Complete for 2023	<b>6.4 Identify non-registered facilities that may be contributors.</b> The City reviewed the list of facilities that have registered under the Industrial Stormwater Permit, and has not identified any additional facilities that pose a significant risk. The list is re-evaluated yearly.	Review stormwater general permit registrant list and identify potential contributing facilities not on the list. Compare locations of potential contributors to screening and monitoring results to determine if further investigation is warranted.	Superintendent of Public Works	Not specified	Completed: 12/31/2023	
6.5 Evaluate additional measures for discharges to impaired waters	Please refer to BMP 6.13, 6.14 and 6.15 for additional detail.						
6.6 Track projects that disconnect DCIA	Not started	Not started.	Track the disconnected DCIA acreage, identifying DCIA credit eligible sites constructed within the preceding 5 years.	Superintendent of Public Works	07/01/17	Projected: 12/31/23	
6.7 Implement infrastructure repair/rehab program	Not started	Ansonia continues to repair stormwater structures as needed. In 2024, it will develop a draft list of potential retrofits on City properties	Ansonia will continue its program to identify MS4 structures to repair, rehabilitate, or upgrade in order to reduce or eliminate the discharge of pollutants	Superintendent of Public Works	07/01/21	Ongoing, Complete for 2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			into water bodies. This program will be responsive to new information on outfalls discharging pollutants, impaired waters, inspections, or observations made during outfall mapping under the IDDE section of this plan.				
6.8 Develop/implement plan to identify/prioritize retrofit projects	Not started	Not started. The City will engage a consultant in 2024 to identify retrofit opportunities.	Identify required repairs based on data from previous permit and prepare inventory. Make repairs as funding becomes available.	Superintendent of Public Works	07/01/20	Projected: 12/31/24	
6.9 Implement retrofit projects to disconnect 2% of DCIA	Not started	Not started. The City will engage a consultant in 2024 to identify potential retrofit opportunities, and will then prioritize the opportunities for implementation.	Disconnect 2% of the City's DCIA.	Superintendent of Public Works	07/01/22	Projected: 12/31/25	
6.10 Develop/implement street sweeping program	Ongoing, Complete for 2023	The City conducts sweeping of all City-owned streets once a year to minimize pollutant export to state and local waterbodies. This cleaning practice removes sediment, large debris, and other pollutants from curb gutters, roadways, parking lots, and facility services, which are a potential source of pollution	Ansonia will continue to implement a program to provide for regular inspection and maintenance of City-owned or operated streets. All City-owned streets are currently swept at least once a year with many streets being swept more	Superintendent of Public Works	07/01/18	Ongoing, Complete for 2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
		impacting state and local waterbodies.	frequently. The City will also develop a procedure to track the results of the sweeping program by document total weight or volume of material swept annually and providing the data in the annual report. Procedures for how the material is reused or disposed of will also be reported. The City will also document any alternate sweeping plan for rural uncurbed streets and any runoff reduction measures implemented.				
6.11 Develop/implement catch basin cleaning program	Ongoing, Complete for 2023	The City continued its annual catch basin cleaning program, cleaning catch basins in the downtown area at least once a year, and inspecting those in other areas on a rotating basis.	Ansonia will continue to conduct routine inspection and/or cleaning of all catch basins. The City will also develop a procedure for tracking catch basin inspections and documenting material collected to be provided in the annual report. Utilizing information compiled through its inventory of catch basins, operational staff and public complaints, the City will adjust the	Superintendent of Public Works	07/01/20	Ongoing, Complete for 2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			<p>routine cleaning frequencies for particular structures or catchment areas to maintain acceptable sediment removal efficiencies (less than 50% full at all times). In accordance with the permit, all MS4 Priority Area catch basins will be inspected at least once by June 30, 2020. Catch basins outside the Priority Area will be inspected at least once by June 30, 2022..</p>				
6.12 Develop/implement snow management practices	Ongoing, Complete for 2023	The City minimizes the use of sand on its roadways, and in 2023 used no sand.	Ansonia will develop and implement standard operating practices for the use, handling, storage, application, and disposal of deicing products such as salt and sand to minimize exposure to Stormwater. For any exterior containers of liquid deicing materials installed after July 1, 2017, the City will provide secondary containment of at least 110% of the largest container or 10% of the total volume of all containers, whichever	Superintendent of Public Works	07/01/18	Ongoing, Complete for 2023	

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
			is larger, without overflow from the containment area..				
6.13 Parks and Open Space Management	Ongoing, Complete for 2023	The City continued to implement existing procedures on City lands for fertilizer application and disposal of leaves and grass clippings.	Continue implementing procedures for fertilizer application and disposal of grass clippings and leaves for lands that are the legal responsibility of the City	Superintendent of Public Works	07/01/18	Ongoing, Complete for 2023	
6-14 Pet waste management	Not started	Not started.	Identify locations within the City where pet waste threatens receiving water quality. Consider providing pet waste stations.	Superintendent of Public Works	07/01/18	Not started	
6.15 Waterfowl management	Ongoing, Complete for 2023	The City periodically reviews its properties for areas where waterfowl congregate. No significant issues were identified for 2023.	Identify waterfowl congregation areas.	Superintendent of Public Works	07/01/18	Ongoing, Complete for 2023	
6.16 Mitigate Stormwater Quality Impacts of City-Owned Vehicles and Equipment	Ongoing, Complete for 2023	There is a wash area at the DPW garage that includes a permitted separator.	Review existing operations and maintenance procedures for City facilities, and update if the vehicle fueling/washing provisions have not been included.	Superintendent of Public Works	07/01/18	Ongoing, Complete for 2023	



BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6-17 Leaf management	Ongoing, Complete for 2023	The City conducted a leaf pickup program in 2023. Residents are instructed to rake leaves to the curb front of their house. City crews then proceed to pick up all leaves and dispose of them properly. This program helps to minimize the buildup of leaves in roadways and within catch basins helping to minimize impacts on the overall quality of stormwater runoff. <a href="#">p</a>	Continue to implement City-wide leaf collection program, collecting leaves curbside at least once each fall.	Superintendent of Public Works	07/01/22	Ongoing, Complete for 2023	

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

Activities proposed for 2024 include:

1. Develop and implement employee training programs.
2. Continue to institute requirements of the Industrial General Permit SWPPP.
3. Identify additional interconnections to other MS4s.
4. Identify potential contributors from General Permit non-registrants.
5. Track DCIA disconnection.
6. Continue existing infrastructure repair policies.
7. Perform infrastructure repairs as needed and as funding is available.
8. Identify retrofit opportunities.
9. Continue street sweeping program.
10. Continue catch basin cleaning program.
11. Continue snow management practices.
12. Continue to optimize fertilizers on City properties.
13. Examine potential of providing pet waste stations at select locations.
14. Continue to maintain and wash City vehicles in accordance with the Industrial General Permit.
15. Continue leaf management policy.

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

<b>Metrics</b>	
Employee training provided for key staff	TBD, 2023
<b>Street sweeping</b>	
Roadside blowers for leaves in the fall	125 curb-miles
Curb miles swept	446 curb-miles
Volume (or mass) of material collected	Unknown
<b>Catch basin cleaning</b>	
Total catch basins in priority areas	2,720
Total catch basins in MS4	2,720
Catch basins inspected	750
Catch basins cleaned	296
Volume (or mass) of material removed from all catch basins	Unknown
Volume removed from catch basins to impaired waters (if known)	Unknown
<b>Snow management</b>	
Type(s) of deicing material used	Magnesium chloride & Molasses
Total amount of each deicing material applied	10,450 gallons
Type(s) of deicing equipment used	Trucks, liquid sprayers, and spreaders
Lane-miles treated	250 miles
Snow disposal location	Transfer Station if Necessary
Staff training provided on application methods & equipment	Ongoing
<b>Municipal turf management program actions (for permittee properties in basins with N/P impairments)</b>	
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

\$0

### 6.4 Catch Basin Cleaning Program

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

The City has developed a catch basin maintenance program that consists of inspecting and cleaning catch basins in critical areas on a yearly basis. Additional catch basins in other areas are cleaned as manpower/funds permit.

### 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.**

1. Projects are identified on an as-needed basis, and implemented based upon perceived benefit or potential impact to water quality.
2. The retrofit program will continue to proceed on an as-needed basis, as funding is made available. City is evaluating its properties to identify potential disconnection opportunities, and looks for disconnection opportunities in site plan applications by default since the City requires conformance with the 2011 LID Supplement to the 2004 Stormwater Quality Manual.
3. The City will continue with its existing process for implementing its own projects, and also for reviewing City projects and site applications as they come in for review to help achieve the DCIA reduction goal.

**Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. [Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.]**

The retrofit program will continue to proceed on an as-needed basis, as funding is made available. The City is evaluating its properties to identify potential disconnection opportunities, and looks for disconnection opportunities in site plan applications by default since the City utilizes an undeveloped site as the basis of comparison for site development projects.

**Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years**

The City will continue with its existing process for implementing its own projects, and also for reviewing City projects and site applications as they come in for review to help achieve the DCIA reduction goal.

## Part II: Impaired waters investigation and monitoring

### 1. Impaired waters investigation and monitoring program

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

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

Nitrogen/ Phosphorus       Bacteria       Mercury       Other Pollutant of Concern

#### 1.2 Describe program status

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

Monitoring to begin in 2024.

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

#### 2.1 Screening data collected under 2017 permit

Complete the table below for any outfalls screened during the reporting period. Each Annual Report will add on to the previous year's screening data showing a cumulative list of outfall screening data.

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

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

Provide the following information for outfalls exceeding the pollutant threshold.

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

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

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2021.

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

## Part III: Additional IDDE Program Data

### 1. Assessment and Priority Ranking of Catchments Data

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

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

(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank	(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank	(1) Catchment ID (DEEP Basin ID)	(2) Category	(3) Rank
6900-00-4-R32	High Priority	1	6900-39-1	Low Priority	6	6900-39-1	Low Priority	11
6900-00-4-R33	High Priority	2	6900-40-2-L4	Low Priority	7	6900-41-1-D1	Low Priority	12
6900-40-2-R1	High Priority	3	6900-00-4-R31	Low Priority	8	6900-40-2-L3	Low Priority	13
6900-38-1	High Priority	4	5307-00-2-L2	Low Priority	9	5307-03	Low Priority	14
6600-77-1-L1	High Priority	5	6900-38-1-L1	Low Priority	10	6900-41-1-D4	Low Priority	15
						6900-00-4-R29	Excluded	16







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

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

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

### 3.3 Wet weather investigation outfall sampling data

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants

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

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

## Part IV: Certification

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

Chief Elected Official or Principal Executive Officer	Document Prepared by
Print name: David Cassetti Mayor	Print name: Joseph Canas, PE, LEED AP, CFM Principal Engineer
Signature / Date:	Signature / Date: 