

**MS4 General Permit
Town of Lisbon 2023 Annual Report**

Permit Number GSM 000018

January 1, 2023 – December 31, 2023

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

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

BMP	Activities in current reporting period	Sources Used (if applicable)	Method of Distribution	Audience (and number of people reached)	Measurable Goal	Department / Person Responsible	Additional details
1-1 Implement public education and outreach	Maintain town website with information on program and informational links		<i>Town website</i>	<i>General Public</i>	<i>Maintain website</i>	<i>First Selectman</i>	
1-2 Address education/ outreach for pollutants of concern	Maintain town website with information on program and informational links appropriate to pollutants of concern		<i>Town website</i>	<i>General Public</i>	<i>Maintain website</i>	<i>First Selectman /Engineering Consultant</i>	

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

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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	Complete	Maintined Storm water Management Plan on website	Storm water Management Plan posted on website	First Selectman/ Engineering Consultant	Aril 1, 2018	https://www.lisbonct.com/ms4-stormwater	
2-2 Comply with public notice requirements for Annual Reports (annually by 2/15)	Ongoing	Annual Report will be advertised, completed and posted	Annual Reports Posted on website	First Selectman/ Engineering Consultant	Feb 15, 2023	https://www.lisbonct.com/ms4-stormwater	

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

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	None	Develop written plan of IDDE program	Town's Engineering Consultant	May 2019 (Revised January 2020)	
3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20)	Complete	None	GIS layer of MS4 stormwater outfalls in priority areas	Town's Engineering Consultant	April 2019	Maps are available on the Town's website.
3-3 Implement citizen reporting program (Ongoing)	Ongoing	None	GIS layer of reports	First Selectman/ Town's Engineering Consultant	Ongoing	
3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19)	Complete	None	Adoption of town ordinance with enforcement provisions	Consulting Town planner/Town Attorney	Sept 2021	Ordinance has established legal authority and support land use regulation amendments in progress
3-5 Develop record keeping system for IDDE tracking (Due 7/1/17)	Complete	None	Develop GIS layer	Town's Engineering Consultant	April, 2019	
3-6 Address IDDE in areas with pollutants of concern	Not Commenced	None	Investigate outfalls with IDDE, build GIS layer	First Selectman/ Town's Engineering Consultant	Ongoing through term of permit	

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

*The written program will be posted to the Dept. of Public Works webpage and a link listed in next year's Annual Report; will update the written IDDE program as needed throughout the permit term.
Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process.*

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

Location (Lat long/ street crossing /address and receiving water)	Date and duration of occurrence	Discharge to MS4 or surface water	Estimated volume discharged	Known or suspected cause / Responsible party	Corrective measures planned and completed (include dates)	Sampling data (if applicable)

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

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

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3.6 IDDE reporting metrics

Metrics	
Estimated or actual number of MS4 outfalls	91 (Mapped)
Estimated or actual number of interconnections	3 (Mapped)
Outfall mapping complete	100%
Interconnection mapping complete	100%
System-wide mapping complete (detailed MS4 infrastructure)	100%
Outfall assessment and priority ranking	100% (Priority Areas)
Dry weather screening of all High and Low priority outfalls complete	100%
Catchment investigations complete	0%
Estimated percentage of MS4 catchment area investigated	0%

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

Training is planned for 2024.

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

4.1 BMP Summary

BMP	Status (Complete, Ongoing, In Progress, or Not started)	Activities in current reporting period	Measurable Goal	Department / Person Responsible	Date completed or projected completion date (include the start date for anything that is 'in progress')	Additional details
4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20)	<i>Complete</i>	<i>None</i>	<i>Adopt upgraded land use regulations for erosion control, storm water mgt, LID</i>	<i>Town planner/First Selectman</i>	<i>Effective 9/1/21</i>	<i>Measures will protect/improve water quality, compliance with latest guidelines and enforce long term maintenance</i>
4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing)	<i>Completed and ongoing</i>	<i>None</i>	<i>Standardized review and enforcement process</i>	<i>Town planner/First Selectman</i>	<i>July 1, 2017</i>	<i>Planner coordinates and documents staff plan review process with relevant review agencies</i>
4-3 Review site plans for stormwater quality concerns (Ongoing)	<i>Ongoing</i>	<i>None</i>	<i>Standardized review of plans</i>	<i>Town planner/First Selectman</i>	<i>July 1, 2017</i>	<i>Planner has improved review process and monitoring of development plans/files</i>
4-4 Conduct site inspections (Ongoing)	<i>Ongoing</i>	<i>None</i>	<i>Standardize approach to inspections</i>	<i>Town planner/First Selectman</i>	<i>July 1, 2017</i>	<i>Planner and staff assess control measures during and after construction with detailed checklists</i>
4-5 Implement procedure to allow public comment on site development (Ongoing)	<i>Completed</i>	<i>Provision on website to display plans for public comment</i>	<i>Standardize project access to public on municipal website</i>	<i>Town planner/First Selectman</i>	<i>January 1, 2018</i>	<i>Location on website is in proximity to other storm water information and includes information for projects not presented at public hearings/meetings</i>
4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing)	<i>Completed</i>	<i>Checklists in place for applications at submittal stage and pre-construction stage</i>	<i>Standardize notice throughout process</i>	<i>Town planner/First Selectman</i>	<i>January 1, 2018</i>	<i>Notice of state requirements is provided to developers before and after local approvals,</i>

						<i>and before construction begins</i>
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4.2 Describe any Construction Site Runoff Control activities planned for the next year, if applicable.

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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)	<i>Complete</i>	<i>None</i>	<i>Provide checklist and guidelines document and adopt land use regulations</i>	<i>Town planner</i>	<i>Effective 9/1/21</i>	<i>Checklist and guidelines encourage good planning and design, minimize land disturbances, disconnect impervious areas and generate retrofits</i>
5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22)	<i>Complete</i>	<i>None</i>	<i>Disconnect impervious areas</i>	<i>Town planner</i>	<i>Effective 9/1/21</i>	<i>Revisions to stormwater mgt plan regulations include new DCIA standards</i>

5-3 Identify retention and detention ponds in priority areas (Due 7/1/20)	<i>In progress</i>	<i>Town wide identification under way</i>	<i>GIS layer completed</i>	<i>First Selectman/ planning staff/CLA</i>	<i>Spring 2024</i>	
5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing)	<i>In progress</i>	<i>BMPS being developed</i>	<i>Plans and BMPS on file</i>	<i>First Selectman/ planning staff/Engineering Consultant</i>	<i>Fall 2024</i>	
5-5 DCIA mapping (Due 7/1/20)	<i>In Progress</i>	<i>DCIA Tracking continues to be monitored and updated</i>	<i>GIS layer complete</i>	<i>Engineering Consultant</i>		
5-6 Address post-construction issues in areas with pollutants of concern	<i>Not begun</i>	<i>None</i>	<i>Record of issues addressed</i>	<i>CLA/First Selectman/ Planning staff</i>		

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

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)	<i>268 acres</i>
DCIA disconnected (redevelopment plus retrofits)	<i>0 acres this year /0 acres total</i>
Retrofit projects completed	<i>0</i>
DCIA disconnected	<i>0% this year / 0% total since 2012</i>
Estimated cost of retrofits	<i>\$0</i>
Detention or retention ponds identified	<i>0 this year /0 total</i>

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

The baseline DCIA for each watershed has been determined using the Sutherland Equations as presented in the Small MS4 Permit Technical Support Document, Revised April 2014 (Original Document, April 2011)

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)	<i>Ongoing</i>	<i>None</i>	<i>Yearly training for staff</i>	<i>First Selectman/CLA</i>	<i>Ongoing</i>	
6-2 Implement MS4 property and operations maintenance (Ongoing)	<i>In Progress</i>	<i>Execute Existing SWPPS for town properties</i>	<i>Document execution</i>	<i>First Selectman</i>	<i>Ongoing</i>	
6-3 Implement coordination with interconnected MS4s	<i>Not begun</i>	<i>None</i>	<i>Document and create GIS layer. Make available to CTDOT as needed.</i>	<i>CLA</i>	<i>Ongoing</i>	
6-4 Develop/implement program to control other sources of pollutants to the MS4	<i>Not begun</i>	<i>None</i>		<i>First Selectman/CLA</i>	<i>Ongoing</i>	
6-5 Evaluate additional measures for discharges to impaired waters*	<i>Not begun</i>	<i>None</i>		<i>First Selectman/CLA</i>	<i>Ongoing</i>	

6-6 Track projects that disconnect DCIA (Ongoing)	<i>Not begun</i>	<i>None</i>		<i>First Selectman/CLA</i>	<i>Ongoing</i>	
6-7 Implement infrastructure repair/rehab program (Due 7/1/21)	<i>Ongoing</i>	<i>None</i>		<i>First Selectman/CLA</i>	<i>Ongoing</i>	
6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20)	<i>In Progress</i>	<i>None</i>		<i>First Selectman/CLA</i>	<i>July 2024</i>	
6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22)	<i>Not begun</i>	<i>None</i>		<i>First Selectman</i>		
6-10 Develop/implement street sweeping program (Ongoing)	<i>Complete</i>	<i>Annual sweeping</i>	<i>Document to file</i>	<i>First Selectman</i>	<i>Ongoing</i>	
6-11 Develop/implement catch basin cleaning program (Ongoing)	<i>Complete</i>	<i>Cleaned 33% of basins, GPS location and volumes</i>	<i>GIS layer developed</i>	<i>First Selectman</i>	<i>Ongoing</i>	
6-12 Develop/implement snow management practices (Due 7/1/18)	<i>Complete</i>	<i>None</i>		<i>First Selectman</i>	<i>Ongoing</i>	

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

Ongoing street sweeping and catch basin clean out and location. DPW staff will be trained and SWPPS followed at town sites.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	<i>Not Provided in 2023</i>
Street sweeping	
Curb miles swept	56 miles (Approx.)
Volume (or mass) of material collected	Unknown
Catch basin cleaning	
Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide)	82 (Mapped)
Total catch basins town- (or institution-) wide	417 (Mapped) 554 (According to Town)
Catch basins inspected	417
Catch basins cleaned	417
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	Sand / Salt
Total amount of each deicing material applied	209 (Salt) 703 (Sand)
Type(s) of deicing equipment used	
Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane)	56 miles
Snow disposal location	N/A
Staff training provided on application methods & equipment	OSHA
Municipal turf management program actions (for permittee properties in basins with N/P impairments)	
Reduction in application of fertilizers (since start of permit)	0%
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

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

All catch basins are cleaned annually. No optimization required.

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)

List of detention basins has been collated. Basins will be investigated to determine if they can be modified to infiltrate WQV.

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)

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.

Inspection of outfalls in proximity to impaired waters located in Lisbon was completed in March 2019. These inspections concluded only one directly connected outfall (#139) discharging to impaired waters was found. Monitoring of this outfall commenced in 2019 year in accordance with Section 6(i) of the General Permit. Subsequent monitoring was performed 11/23/20. Analysis determined that all pollutant levels were below benchmarks. No further monitoring has been performed.

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. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

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

Outfall ID	Latitude / Longitude	Sample date	Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern)	Results	Name of Laboratory (if used)	Follow-up required? *
139	-72.041869 41.602584	11/05/19	Nitrogen Phosphorus	0.53 mg/l 0.135 mg/l	Phoenix Labs Phoenix Labs	No No
139	-72.041869 41.602584	11/23/20	Nitrogen Phosphorus	0.18 mg/l 0.08 mg/l	Phoenix Labs Phoenix Labs	No No

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

Pollutant of concern	Pollutant threshold
Nitrogen	Total N > 2.5 mg/l
Phosphorus	Total P > 0.3 mg/l
Bacteria (fresh waterbody)	<ul style="list-style-type: none"> E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others Total Coliform > 500 col/100ml
Bacteria (salt waterbody)	<ul style="list-style-type: none"> Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others
Other pollutants of concern	Sample turbidity is 5 NTU > in-stream sample

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

Provide the following information for outfalls exceeding the pollutant threshold.

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

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

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

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

Part III: Additional IDDE Program Data

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

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

Outfall ID	Waterbody	DEEP Basin	Category	Ranking
33	Versailles Pond	CT3805-00-3-L7_01	Low Priority	5
36	Versailles Pond	CT3805-00-3-L7_01	Low Priority	5
37	Shetucket River	CT3800-00_01	Low Priority	5
38	Shetucket River	CT3800-00_01	Low Priority	5
78	Quinebaug River	CT3700-00_01	Low Priority	5
79	Shetucket River	CT3800-00_01	Low Priority	5
83	Shetucket River	CT3800-00_01	Low Priority	5
84	Shetucket River	CT3800-00_01	Low Priority	5
85	Shetucket River	CT3800-00_01	Low Priority	5
86	Shetucket River	CT3800-00_01	Low Priority	5
87	Shetucket River	CT3800-00_01	Low Priority	5
92	Shetucket River	CT3800-00_01	Low Priority	5
93	Shetucket River	CT3800-00_01	Low Priority	5
97	Shetucket River	CT3800-00_01	Low Priority	5
98	Shetucket River	CT3800-00_01	Low Priority	5
99	Shetucket River	CT3800-00_01	Low Priority	5
102	Shetucket River	CT3800-00_01	Low Priority	5
128	Shetucket River	CT3800-00_01	Low Priority	5
138	Shetucket River	CT3800-00_01	Low Priority	5
139	Versailles Pond	CT3805-00-3-L7_01	Low Priority	5
140	Quinebaug River	CT3700-00_01	Low Priority	5
141	Versailles Pond	CT3805-00-3-L7_01	Low Priority	5
142	Shetucket River	CT3800-00_01	Low Priority	5
146	Quinebaug River	CT3700-00_01	Low Priority	5
147	Shetucket River	CT3800-00_01	Low Priority	5
148	Shetucket River	CT3800-00_01	Low Priority	5

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

2.1 Dry weather screening and sampling data from outfalls and interconnections

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

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

Outfall / Interconnection ID	Latitude / Longitude	Screening / sample date	Ammonia	Chlorine	Conductivity	Salinity	E. coli or enterococcus	Surfactants	Water Temp	Pollutant of concern	If required, follow-up actions taken
92	72.039277 41.558203	7/15/2019	0.1	<0.02	141	0	10	0.05	61.3	None	
142	72.038228 41.557842	7/15/2019	0.1	0.04	132	0	41	0	63.6	None	Follow up Required

2.2 Wet weather sample and inspection data

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

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

Outfall ID	Date Sampled	Phoenix Ref	Phoenix Lab ID	Flow	Temp	Water Classification	Nitrogen (<2.5 mg/l)	Phosphorus (<0.3 mg/l)
139	11/23/2020	GCH19218	CH19218	Low	51.3	B	0.18	0.08
No Follow up Investigation required								

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

For details on this requirement, visit www.nemo.uconn.edu/ms4/tasks/monitoring.htm. 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

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

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

3.3 Wet weather follow-up investigation outfall sampling data

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

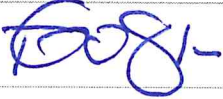
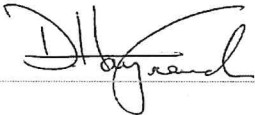
Outfall ID	Latitude / Longitude	Sample date	Ammonia	Chlorine	Surfactants

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: Thomas Sparkman (First Selectman)	Print name: Darren Hayward, P.E. (CLA Engineers)
Signature / Date:  03/11/2024	Signature / Date:  03/08/24
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