

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION



Annual Report for MS4 Permit Year 2

July 1, 2020 – June 30, 2021

MS4 General Permit
Connecticut Department of Transportation Municipal Separate Storm Sewer (MS4) Annual Report
New MS4 Permittee
Permit Number GSM DEEP-WPED-GP-22
[July 1, 2020– June 30, 2021]

This report documents the Connecticut Department of Transportation’s (aka, “CTDOT”) efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from July 1, 2020 to June 30, 2021.

Part I: Summary of Minimum Control Measure Activities

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

During last year’s initial public outreach, the main objective was to notify any interested parties of the Departments issuance of the MS4 permit. Now that the permit has been issued, the focus of this reporting cycle was to keep the Department’s Website updated with the most current information and educate internal personnel of the MS4 requirements. Public outreach was extremely limited because of the COVID 19 protocols and limitations on group gatherings. The Departments MS4 Email and Phonenumber were all promptly responded to.

One of the most common questions received by CTDOT is the status of mapping within a certain location. To alleviate going back and forth, a public facing ESRI Web Map was created for individuals to see what CTDOT has mapped to date. This map has proven to be a useful tool for interested parties. Included in this mapping are highlighted interconnection points (where drainage is interconnected to other municipalities, private entities etc.) that allow users to easily identify where drainage system ownership changes. Mapping these interconnection locations is a requirement for all MS4 Permit holders. The Web Map can be found via this link:

<https://ctdot.maps.arcgis.com/apps/webappviewer/index.html?id=5f28d298a4ef41d9bc6339a66dee764e>. Continued development using ESRI technology will allow for users to download data relevant to their areas of interest.

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 program	Complete	Created informational brochures, worksheets and fact sheets on stormwater related concerns	Educate the Public on Stormwater	Environmental Planning	June 30, 2020	Apr 9, 2019	These resources are published on CTDOT MS4 Website https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4
1.2 Track CTDOT public meetings where non-point source educational material was distributed	Ongoing	Distribute resources to Designers for Public Project Scoping Meetings throughout Municipalities statewide	Get informational resources to designers for distribution at public events	Engineering Bureau, Environmental Planning	June 30, 2020	Ongoing	Incorporation of project specific stormwater issues will be a focus moving forward for possible incorporation into designer PowerPoint presentations
1.3 Develop Dedicated MS4 Webpage on CTDOT Website	Complete	Created a CTDOT MS4 dedicated Website	Create MS4 dedicated Website	Environmental Planning, Environmental Compliance	June 30, 2020	Mar 1, 2019	https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4
1.4 Collaborate with MS4 stakeholder groups outside of CTDOT	Ongoing	Coordinated with MS4's and public health organizations for correspondence regarding Illicit Discharges. Working on finding a mechanism to share drainage mapping and screening and sampling results with other MS4's	Work with other MS4 entities cooperatively	Environmental Compliance, Environmental Planning	June 30, 2020	Ongoing	Continued outreach and coordination will continue a website displaying CTDOT mapped MS4 infrastructure was made publicly available: https://ctdot.maps.arcgis.com/apps/webappviewer/index.html?id=5f28d298a4ef41d9bc6339a66dee764e
1.5 Educate CTDOT Employees on the MS4 Program	Ongoing	Held designer workshops to ensure design standards for MS4 are followed. Incorporated MS4	Provide workshops for employees Department wide to inform	Environmental Compliance, Environmental Planning	June 30, 2020	Ongoing	Refer to Section 6.3 for additional trainings regarding the IDDE program for CTDOT Employees

		guidance for CTDOT construction personnel trainings	them of MS4 requirements				
1.6 River and Stream Signs	Complete	All construction projects that involve crossing a named watercourse receive signage	CTDOT Standard Policy created prior permit issuance	Engineering Bureau, Environmental Planning	Jul 1, 2020	Completed Prior to Permit issuance	Refer to CTDOT Sign Catalog for sign specifications https://portal.ct.gov/-/media/DOT/documents/dtrafficdesign/SignCatalogpdf.pdf?la=en

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

CTDOT staff will continue to be educated regarding the MS4 permit by attending trainings provided by the Department's Training Center, District Environmental Trainers, The Office of Environmental Planning and/or the Environmental Compliance Section. Continued development of the public facing ESRI Web Map is also expected with the goal of users being able to download data as they see fit for their own purposes.

1.3 Details of activities implemented to educate the community on stormwater

Refer to Public Outreach and Education introduction for a listing of all public and CTDOT meetings that were held this past year. Trainings this permit term (July 2020-June 2021) focused on internal department personnel. The goals of trainings were to educate them on illicit discharges and mechanisms on how to report them.–All resources presented in trainings throughout the years can be found on the CTDOT MS4 website: https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4.



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

2.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
2.1 Comply with public notice requirements for the Stormwater Management Plan	Complete	Notified Public of Stormwater Management Plan	Notify Public	Environmental Planning, Environmental Compliance	Jun 1, 2019	June 1, 2019	Posted on CTDOT MS4 Website https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4
2.2 Comply with public notice requirements for Annual Reports	Complete	Notified Public of Annual Report	Notify Public	Environmental Planning, Environmental Compliance	Sep 1, 2021	September 1, 2021	Posted on CTDOT MS4 Website https://portal.ct.gov/DOT/PP_Envir/Water_Natural_Resources/CTDOT-MS4

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

CTDOT is solely responsible for permit compliance. All concerns the Public has regarding its Annual Report and SWMP will be considered. Currently, there is an email address where concerns can be raised and responded to at DOT.MS4@ct.gov.

2.3 Public Involvement/Participation reporting metrics

Metrics	Implemented	Date	Posted
Availability of the Stormwater Management Plan announced to public	Yes	April 3, 2019	CTDOT Website, Email sent to MS4 Listserv
Availability of Annual Report announced to public	Yes	September 1, 2021	MS4 CTDOT Website and Email sent to MS4 Listserv

3. Illicit Discharge Detection and Elimination (IDDE) (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 legal authority to prohibit illicit discharges	Completed	Legal authority established	Legal authority developed	Environmental Compliance	June 30, 2021	June 30, 2022	Existing State regulations to be leveraged when needed. Waiting on legislature to adopt updated language in ROW and Office of State Traffic Control Administration (OSTA) permits
3.2 Develop written IDDE program	Completed	Written IDDE program established	Written IDDE plan completed	Environmental Compliance	June 30, 2021	June 5, 2020	Plan is a living document and will be updated as needed. Developed and Negotiated Task-Based On-Call Consultants to perform field screening and investigation activities
3.3 Develop program for citizen reporting of illicit discharges /Include citizen reports in annual report	Completed	Citizen IDDE reporting program established	Illicit Discharge Program Developed and Reports Documented	Environmental Compliance	June 30, 2021	July 1, 2019	Call 860-594-2560 or email DOTMS4@ct.gov
3.4 Develop tracking system for illicit discharge Investigation and Abatement activities	Completed	IDDE tracking system established	Illicit Discharge Tracking system developed	Environmental Compliance	July 1, 2019	July 1, 2019	Investigations are tracked both within the GIS database and manually outside the database
3.5 Identify all known locations of SSO's into CTDOT's MS4 over previous 5 years	Completed	All known locations of SSO's into CTDOT's MS4 identified	SSO's within previous 5 years identified	Environmental Compliance	November 1, 2019	November 1, 2019	No historic SSO's identified that require CTDOT follow up actions. Locations identified are in the appendix of the IDDE written report which is available on the CTDOT MS4 webpage

3.6 Identify and Map 50% of CTDOT's MS4 in Priority Areas	In progress	This year CTDOT mapped stormwater assets in 32 MS4 Municipalities	50% of Mapping of CTDOT assets within the 120 MS4 Municipalities Completed by Year 5. (Requires at least 12 MS4 Municipalities to be mapped per year)	Environmental Planning, Environmental Compliance, Maintenance, Public Transit	June 30, 2024	June 30, 2024	CTDOT stormwater assets have been mapped in 51 MS4 Municipalities as of 6/30/2021
3.7 Screen and Sample all mapped outfalls and key interconnection points	In progress	562 dry weather screenings conducted, and 246 wet weather sampling events conducted in 19 municipalities.	Mapped outfalls and interconnections Screened and/or Sampled	Environmental Compliance	June 30, 2024	June 30, 2024	
3.8 Provide Annual IDDE Training to Employees	In progress	Refer to Section 6	Annual Bureau Trainings completed	Bureau Chief(s)-Engineering and Construction, Policy and Planning, Maintenance, Public Transit	June 30, 2021 & Annually	Annual	Trainings will continue to be held across various Departments

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

Normal IDDE program activities will continue next year. These activities include the mapping of CTDOT stormwater assets in MS4 Municipalities, dry and wet weather screening and sampling of all newly mapped non-excluded discharge locations and including IDDE information in relevant CTDOT trainings throughout the year.

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

Date of Report	Location / suspected source	Response taken
None		

3.4 Provide a record of illicit discharges occurring during the reporting period and SSOs occurring July 2019 through end of reporting period using the following table.

Note, that potential illicit discharges based solely on analytical results (no olfactory or visual evidence) are not included below but are included in IDDE metrics at the end of this MCM 3 IDDE section.

Location (Lat long/ street crossing /address and receiving water)	Date of Department Notification	Discharge to MS4 or surface water	Duration / Estimated volume discharged	Known or suspected cause / Responsible party	Notes and Corrective measures planned/ completed (include dates)	Sampling data (if applicable)
932 New Britain Avenue West Hartford	7/13/2020	MS4	Unknown	Sanitary lateral connected to storm system	The CTDOT sent analytical results and screenshot to the Town’s Engineer on 7/15/20. Results indicated highest priority levels of ammonia, surfactants and bacteria at the outfall. At the outfall behind Premium Auto II Body Shop, The Town’s MS4 consultant had maximum detections of Ammonia and Surfactants in this system (detections above 6.0 mg/L for Ammonia and 2.5 mg/L for Surfactants) and strong scent of sanitary sewer throughout the system. The consultant discovered the source of flow was coming from unmapped 18” RCP pipe in front of the Family Dollar on New Britain Ave, and it was possible that this was a direct sanitary sewer connection that has never been separated from the storm system. The Town was working with the owner to mitigate the issue. CTDOT considers this issued closed.	6/10/2020 - Results from a sample indicated presence of contamination consistent with sanitary wastewater
1617 Saybrook Rd Haddam	9/30/2020	MS4	Unknown	Septic field leachate discharging into CTDOT’s drainage system	The CTDOT was notified that the septic system at Haddam Pizza failed and, at times of heavy rain or above average patronage, leachate was finding its way into the CTDOT drainage system. The CTDOT’s staff called Haddam Health Department on 10/19/2020 and left a message for the Town’s Sanitarian. The Sanitarian indicated that the issue was abated on 9/23/2020, fixture was left running overnight and overwhelmed the system. The owner had the system pumped out. The CTDOT considers this issue closed.	N/A

23 Shunpike Rd, (Route 372), Cromwell	9/4/2020	MS4	Unknown	Commercial Car Wash	On 9/4/2020 CTDOT staff observed a soapy discharge coming out of an outfall near a Commercial Car Wash. On 10/19/2020, CTDOT staff sent an email to the Town's Engineer regarding the issue. On 10/20/2020, the CTDOT received a message from the Town's Engineer stating that a contractor constructing site improvements on site at the car wash damaged the oil/water separator leading to the sanitary sewer. The Town Engineer suspected that it could be the cause of the soapy discharge to the stormwater system. During a site visit on 11/6/2020, the car wash was open and CTDOT staff observed no signs of illicit discharges at the outfall. The CTDOT considers this issue closed.	N/A
125 Foxon Blvd New Haven	5/12/2021	MS4	Unknown	Car Wash	On 5/12/2021 CTDOT staff noted that blue water was evident at an outfall near the car wash. The CTDOT's GIS database identified the car wash as having previous water quality issues and had a previous complaint handled by the CTDEEP in March 2019. The CTDOT contacted the CTDEEP staff on 5/12/2021 who responded by confirming that prior complaint occurred and the CTDEEP inspector would reinspect the site. CTDOT and CTDEEP staff visited the site on 5/19/2021, during which the lessee identified a failed pump as the issue. CTDEEP is working with the owner and the lessee to mitigate the issue.	N/A

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 CTDOT receives information regarding illicit discharges from multiple sources. The public may notify the CTDOT regarding potential illicit discharge by sending an email to DOTMS4@ct.gov or by calling the DOT Customer Care Center at 860-594-2560. Illicit discharges are also reported to the CTDOT MS4 Team from other Department personnel and from MS4 Consultants who are performing screening and sampling activities. Once an illicit discharge is reported, the CTDOT MS4 Team records the issue in the database and reaches out to the local municipality, local health department and/or other stakeholders to coordinate research and a response. Activities and communications, including corrective actions taken to eliminate illicit discharges are documented.

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
No septic failures were identified this permit term		

3.7 IDDE reporting metrics

See Figure 1 below titled CTDOT MS4 Mapping Status, as of July 1st, 2021. All total infrastructure numbers are estimates based upon mapping completed to date. The symbology of Figure 1 is as follows:

- Pink- Municipality has been mapped 100% complete.
- Yellow- 75% of the municipality is mapped- required field work to be completed.
- Blue- Municipalities in which current mapping has commenced and is considered at least 5% complete
- White- No mapping has been performed yet.
- Numbers shown on the map reflect Department’s four Maintenance Districts

The CTDOT is required to map all of its drainage infrastructure which consist of 120 MS4 Municipalities. Figure 2 illustrates CTDOT mapped municipalities overlaid with the MS4 priority areas which include urbanized areas, local watershed impervious cover of > 11% and impaired waterbodies. Municipalities are chosen for mapping based upon their CTDOT Maintenance District, geographic location and their priority areas.

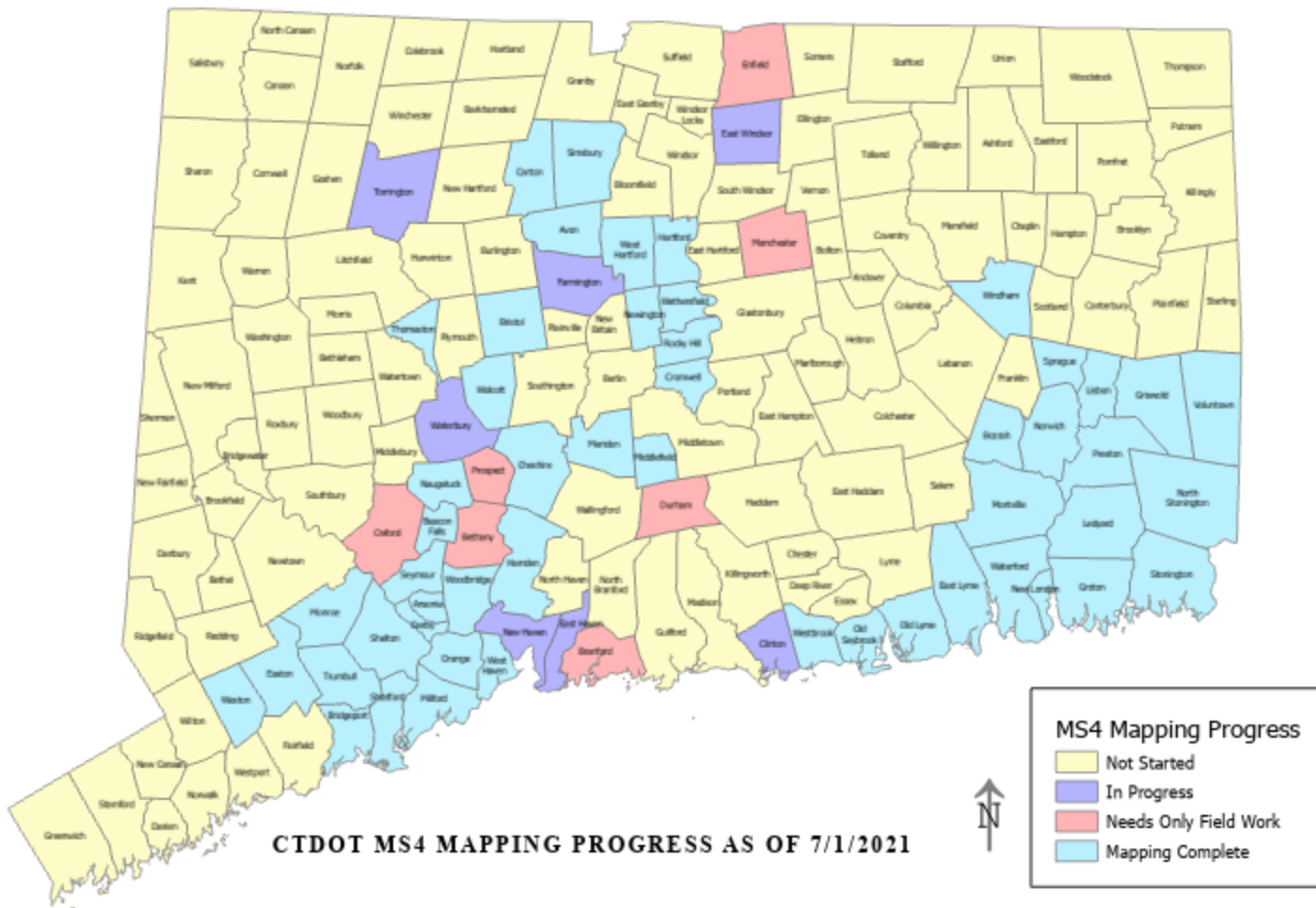


Figure 1: CTDOT MS4 Mapping Status as of July 1st, 2021

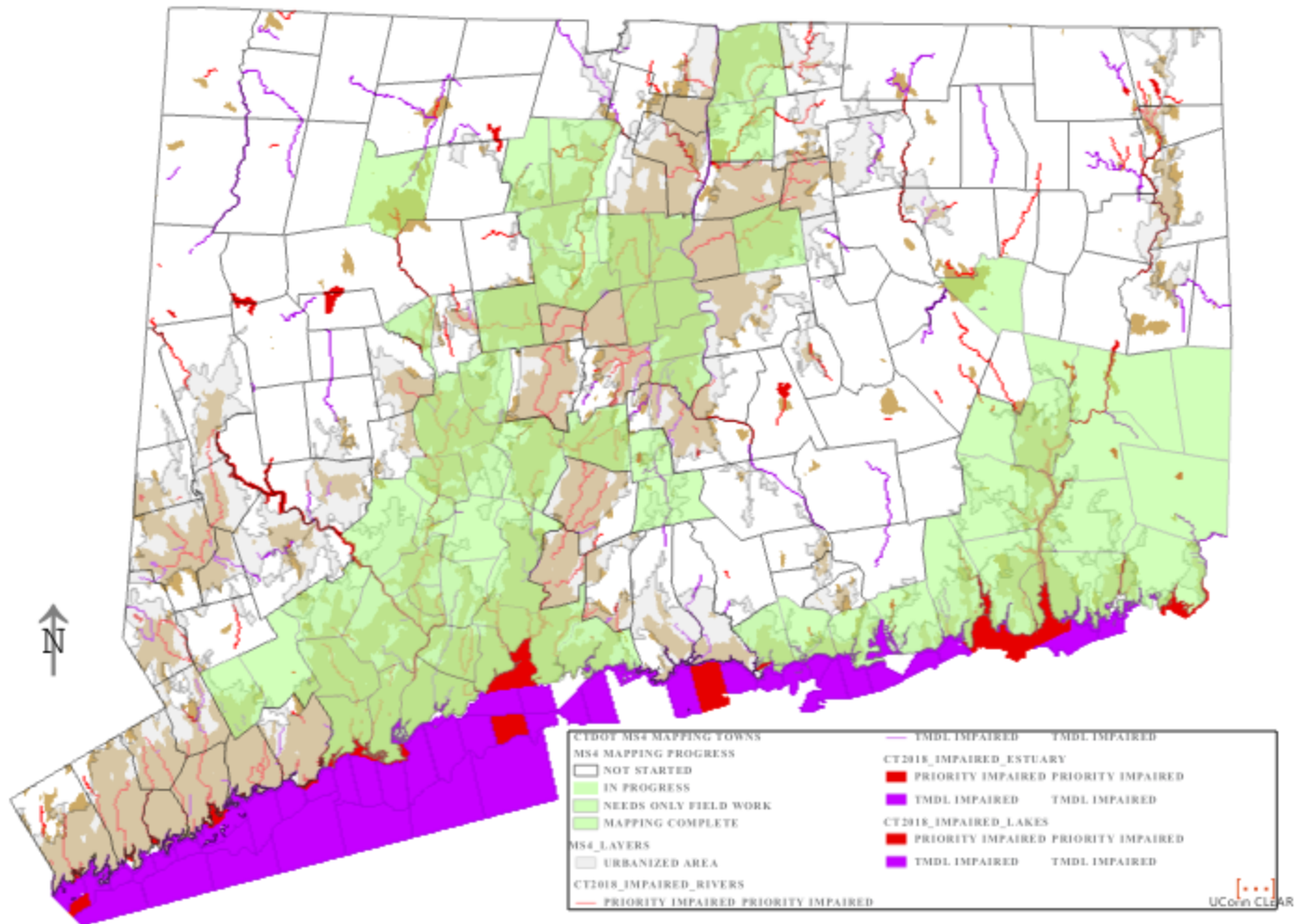


Figure 2: CTDOT MS4 Mapping and MS4 Priority Areas

Metrics

Total number of discharge locations from the CTDOT MS4 System (outfalls + outgoing interconnection points) mapped to date / total	9,167 mapped to date / Unknown
MS4 outfalls (only) mapped to date / estimated total # of MS4 outfalls/estimated completion %	8,392 / Unknown / 30%
Outgoing MS4 Interconnection points mapped to date / estimated total / estimated completion %	743/ Unknown / Unknown
System-wide mapping complete (detailed MS4 infrastructure)	51 MS4 Towns Mapped / 42% of MS4 Municipalities, 30% Statewide
Number of mapped discharge points that are excluded as of 6/30/2021	5,996
Dry weather screenings of High or Low Priority Outfalls this permit term / total	562 / 1299
Wet weather sampling of High or Low Priority Outfalls this permit term / total	246 / 585
Number of catchment area investigations completed	1
Estimated Percentage of MS4 catchment areas 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).

See list of trainings provided in Section 6.

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

4.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
4.1 Establish bylaw, regulation, standard conditions of approval, construction requirements or other legal authority that meet the requirements of the CTDOT MS4 permit	In Process	Provided updated language to OSTA to incorporate MS4 requirements for all CTDOT Encroachment Permits and State Traffic Commission Permits	Standard Language Updated	Office of the State Traffic Administration Environmental Compliance Environmental Planning	June 30, 2022	June 30, 2022	Language not yet adopted as Encroachment Regulations are undergoing a complete rewrite.
4.2 Ensure all CTDOT manuals are consistent with the construction measures in DEEP's E&S Manual, Stormwater Quality Manual and the Construction Stormwater General Permit requirements	Complete	Developed and published an engineering directive that amends all CTDOT manuals	Publish Engineering Directive	Bureau Chief – Engineering and Construction	June 30, 2020	Completed on June 26, 2019.	
4.3 Develop and implement a plan outlining how all internal CTDOT Departments with jurisdiction over the review, permitting or approval of land disturbance and development projects within the CTDOT MS4 will coordinate their functions with one another	Process in Place	A coordination plan between internal Bureau's was documented in an Engineering Directive	Process in Place and it is working	Environmental Compliance and Environmental Planning	July 1, 2019	July 1, 2019	
4.4 Conduct a site plan review or confirm that a site plan review was completed by the appropriate authority. The review should verify that consideration of stormwater controls or management practices were considered	Process in Place	All development and redevelopment projects are reviewed by MS4 Team. Designers use CTDOT MS4 Designer Worksheet to document stormwater quality considerations	All projects reviewed for water quality impacts	Environmental Compliance and Environmental Planning	July 1, 2019	July 1, 2019	The MS4 Designer Worksheet can be viewed on the CTDOT MS4 Webpage. OSTA Application Forms were updated to require projects to certify that development conforms to local MS4 authority requirements

4.5 Conduct or confirm that a site inspection(s) and enforcement was completed to assess the adequacy of the installation, maintenance, operation and repair of construction and post construction control measures	Program in Place	Oversight of construction projects for erosion control measures were conducted.	Ensure all projects have environmental oversight	Environmental Planning, Environmental Compliance, District Maintenance	July 1, 2019	In Place Prior to Permit Issuance	
4.6 Implement procedure to notify developers conducting projects that will connect to the CTDOT MS4 system of the obligation to comply with the requirements of DEEP's Construction Stormwater General Permit	Process in Place	Project Managers are made aware of the Construction Stormwater General Permit requirement at the beginning of a project by OEP via the Permit Need Determination Form (PNDF)	Ensure all Projects that require a Construction Stormwater General Permit are identified within the 30, 60, 90% design reviews	Environmental Planning	July 1, 2019	July 1, 2019	OSTA Application Forms were updated to require projects to certify that development conforms to local MS4 authority requirements
4.7 Include tracking information as part of each annual report	Complete	Plans reviewed and inspections completed have been tracked	Number of plans tracked and inspected	Environmental Compliance and Environmental Planning	June 30, 2020	July 1, 2019	
Metrics							
Number of Plans Reviewed	215						
Number of Site Inspection Completed	420						

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

CTDOT will continue to review all projects for construction compliance. Currently, the Site Inspection Spreadsheet is kept for oversight and our designated CTDOT MS4 Team is responsible for documenting stormwater management compliance. Future MS4 documentation advancements include the development of a comprehensive database that will be capable of reporting how many site inspections were performed, the frequency of site inspections, and provide the site location's history to help identify repeat areas of concern within the CTDOT drainage infrastructure network.

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

5.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
5.1 Establish updated standard procedures, forms and conditions of approval that meet the LID / Runoff Reduction Legal Authority requirements of the Permit	Completed	All CTDOT projects that impact drainage or drainage patterns are reviewed by MS4 staff to implement water quality BMPs to the maximum extent practicable	Legal Authority Developed	OSTA & Bureau Chief-Engineering & Construction	June 30, 2022	June 24, 2019	Unlike a traditional Municipality, CTDOT does not have the ability to pass ordinances or regulate land use to meet this requirement
5.2 Ensure all CTDOT manuals are consistent with the construction measures in DEEP's E&S Guidelines, Stormwater Quality Manual and Construction General Permit Requirements	In Progress	CTDOT manuals will remain consistent with the construction measures in the 2002 Guidelines for Soil Erosion and Sedimentation Control, the Connecticut 2004 Stormwater Quality Manual and the Construction General Permit	CTDOT Manuals are consistent with E&S Manual, Stormwater Quality Manual and Construction Permit Requirements.	Bureau Chief-Engineering & Construction	June 30, 2022	July 1, 2019	CTDOT manuals will be updated as needed
5.3 Implement runoff reduction / LID measures for new development and redevelopment projects within CTDOT's MS4 area	In Progress	The CTDOT MS4 Team reviews all development and redevelopment plans to ensure runoff reduction and LID measures are implemented to the maximum extent practicable. The CTDOT MS4 team created the MS4 Designer Worksheet for projects to record water quality information and site constraints. BMP design reference information (BMP "One Pagers",) a BMP Design Matrix, and BMP examples and calculations were also developed to provide consistency between all state and consultant forces	Document runoff reduction / LID implementation efforts for the project	Bureau Chief(s) - Policy and Planning, Engineering & Construction	June 30, 2022	July 1, 2019	The MS4 Designer Worksheet can be viewed on the CTDOT MS4 webpage. Other design guidance for implementing LID / BMPs is also provided

5.4 Calculate DCIA for 50% of the CTDOT's MS4 Catchment Areas (or Local Watershed Basins)	In Progress	An initial GIS spatial analysis was completed to provide an estimate of the DCIA that CTDOT is responsible for statewide	Determine the percentage of DCIA for CTDOT's Mapped Catchment or Local Watershed Areas	Bureau Chief-Engineering & Construction	June 30, 2024	June 30, 2024	It was determined that using an automated process to determine DCIA on a catchment basis is not feasible. The initial GIS spatial analysis will be refined as additional mapping and information is available
5.5 Implement a plan to ensure long term maintenance of stormwater management facilities	In Progress	Focused on inventory and maintenance tracking of CTDOT owned stormwater management facilities. Privately owned stormwater management facilities that discharge to CTDOT's MS4 system are added to database when identified.	Develop and Implement a Plan to Ensure Long Term Maintenance of Stormwater Management Facilities	Bureau Chief(s) - Maintenance, Engineering & Construction	June 30, 2022	June 30, 2022	Mapping effort includes identifying and inventorying in GIS database all CTDOT stormwater management facilities. Private stormwater management facilities that discharge to CTDOT's MS4 will require a separate effort

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

Plan reviews of all development and redevelopment projects for stormwater quality improvements will continue. A refinement of the DCIA number will be performed as more information becomes available.

5.3 Post-Construction Stormwater Management reporting metrics

Metrics	
Total number of plans reviewed this permit term	87
CTDOT MS4 worksheets submitted this permit term	29
Projects with no impacts to MS4 System this permit term	58
Final Development Plans (FDP) Submitted with Impacts to MS4 System	6 this permit term / 10 total
Baseline Directly Connected Impervious Area (DCIA)	Estimated 11,885 Acres based on 2012 UConn Impervious Data
DCIA disconnections planned based on Final Development Plans (redevelopment plus retrofits)	3.09 acres connected this year / 0.35 acres disconnected total
DCIA disconnections completed (constructed)	N/A
Retrofits completed	Dedicated stormwater retrofit projects will not occur within this 5-yr permit term
DCIA Disconnected by Percentage of Estimated DCIA / Total	0.03 % DCIA added this year / 0.00% total
Stormwater Quality BMPs included in Final Plans this permit term / Total	5 this year / 20 total
Stormwater Quality BMPs Constructed this Permit Term	4
Constructed/Active CTDOT Stormwater BMPs	341 in database / total unknown
Constructed Private or Municipally Owned Stormwater Quality BMPs Connected to DOT's MS4 System	11 in database / total unknown

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

To determine baseline DCIA, GIS Spatial Analysis was performed using UConn Roadway Impervious Cover, UConn Other impervious Cover, CTDOT Right of Way, CTDOT Centerline of Road data and CTDOT Curb Data. These calculations serve as the baseline and is a conservative estimate of DOT's DCIA. It is anticipated that as mapping becomes more complete the DCIA value will be adjusted.

- 24,356 Acres of CTDOT Roadway (Spatial Analysis using UConn Data)
- 2,600 Acres of Other Impervious Cover (Projection based on 50 Municipalities Using UConn Data)
- 74,000 Acres of CTDOT ROW (Projection based on 50 Municipalities using CTDOT Data)
- 9,826 Miles of Centerline Roads (CTDOT provided from Internal Roadway Network Database)
- 4,793 Miles of Centerline Curb (CTDOT Provided from Internal Roadway Network Database)
- Statewide Impervious Cover = $(24,356 + 2,600) / (74,000) * 100 = 36\%$
- Statewide DCIA assume all Curbed Roadways are Connected = $(4793 / 9826) * 100 = 49\%$ of Roadway Area Connected to Outfall
- 49% of 24,256 Acres is 11,885 Acres
- Amount of DCIA within this 11,885 Acres is still uncertain
- The disconnection goal of 1% per year (in permit years 4 and 5) is equivalent to 119 acres per year

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

6.1 BMP Summary

BMP	Status	Activities in current reporting period	Measurable goal	Department / Person Responsible	Due	Date completed or projected completion date	Additional details
6.1 Develop and implement formal employee training program	Program in place	In person trainings for design, construction, and maintenance staff	Conduct Annual Training for Bureaus.	All Bureaus	June 30, 2021	July 1, 2019	MS4 training program will mature in parallel with overall MS4 program.
6.2 Implement infrastructure repair and rehabilitation program	Program in place	Documenting the condition of outfalls and other stormwater infrastructure, as identified by field staff, using inspection and maintenance forms within a GIS database	Develop and implement a repair / rehabilitation program.	Bureau Chief-Engineering & Construction	June 30, 2022	Completed Prior to Permit Issuance	Repair of infrastructure will be prioritized based on the condition of the asset, any future redevelopment projects in the area, and available financial resources
6.3 Track DCIA that is disconnected during redevelopment and retrofit projects	Completed	Documenting DCIA which is being disconnected during a review of redevelopment projects	Develop and Implement a Procedure to Track DCIA for projects.	Bureau Chief-Engineering & Construction	July 1, 2019	July 1, 2019	Stand-alone retrofit projects are not anticipated to be implemented during this permit term. However, as required by the permit, CTDOT will develop a retrofit plan by the end of third year to identify specific projects that in sum would meet the 2% reduction goal
6.4 Develop and implement a plan to disconnect 2% of calculated DCIA	Completed	The 2% disconnection was calculated based on an initial GIS spatial analysis, which estimated the DCIA that CTDOT is responsible for statewide	Develop and Implement a Plan to Disconnect 2% of DCIA	Bureau Chief-Engineering & Construction	June 30, 2022	July 1, 2019	The initial GIS spatial analysis will be refined as additional mapping and information is available
6.5 Implement CTDOT MS4 Property and Operations Maintenance	Ongoing	Standard Property and Maintenance Operations were completed on Department assets throughout the year	Document and Report on Maintenance Activities Implemented	Bureau Chief Maintenance	July 1, 2019	On-Going	

6.6 Develop and implement sweeping program	Completed	CTDOT has an existing sweeping program that was implemented	Document and Report on Sweeping Activities	Bureau Chief Maintenance	July 1, 2019	June 30, 2020	When GIS technology becomes available for use across CTDOT, a GIS application to optimize the sweeping program will be implemented
6.7 Develop plan to optimize catch basin cleaning	Completed	A draft of a Catch Basin Optimization Plan was completed and is currently under review by CTDOT	Map, Inspect and Prioritize Catch Basins.	Bureau Chief Maintenance	July 1, 2019	June 30, 2020	When GIS and Asset Management technology becomes available for use across CTDOT, a GIS application to optimize the catch basin cleaning program will be implemented
6.8 Inspect and clean (where necessary) catch basins.	In Progress	CTDOT has an existing catch basin cleaning program that was implemented. Metrics from this year's program are included below	Map, Inspect and Prioritize Catch Basins.	Bureau Chief Maintenance	July 1, 2019	Ongoing	
6.9 Development, implement and optimize standard operating procedures for snow management practices	Complete	CTDOT has an existing Winter Maintenance Program that was implemented	Optimize, Document and Report on Snow Management Practices.	Bureau Chief Maintenance	July 1, 2019	Completed Prior to Permit Issuance	CTDOT created the Snow and Ice Guidelines for internal BMP's for handling Snow and Ice Operations
6.10 Track and report types of deicing materials used, lane miles treated and total amount of deicing material used	Complete	Track Snow and Ice Maintenance Metrics	Report on amount of material, type of material and equipment used during winter maintenance	Bureau Chief Maintenance	June 30, 2020	June 30, 2020	See Section 6.3 for reporting totals

6.11 Implement additional measures for discharges to impaired waters from sites with high potential to contribute to impairment	In Progress	Monitor and implement measures for stormwater discharges to impaired waters with high potential of contribution to impairment	Prioritize outfalls discharging to impaired waters for monitoring	Environmental Compliance Environmental Planning	July 1, 2019	Ongoing	CTDOT in coordination with USGS implemented a stormwater monitoring program that will take place over the next three years. The results collected from this study in conjunction with our MS4 stormwater system mapping will enable us to run a model to prioritize where our contributing runoff is affecting the receiving waterbody
---	-------------	---	---	--	--------------	---------	--

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

Department pollution prevention / good housekeeping activities will continue to be implemented next year. The Department will continue to participate in a multi-state funded pilot program on a Maintenance Decision Support System that will provide GPS and weather-related information to control deicing material application rates. The pilot program has the following research objectives:

1. To assess the need, potential benefit, and receptivity in participating state transportation departments for state and regional Maintenance Decision Support Systems.
2. To define functional and user requirements for an operational Maintenance Decision Support System that can access current road and weather conditions, forecast weather that will affect transportation routes, predict how road conditions will change in response to candidate maintenance treatments, suggest optimal maintenance strategies to maintenance personnel, and evaluate the effectiveness of maintenance treatments that are applied.
3. To build and evaluate an operational Maintenance Decision Support System that will meet the defined functional requirements in the participating state transportation departments.
4. To improve the ability to forecast road conditions in response to changing weather and applied maintenance treatments.

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

Metrics	
Employee training provided for key staff	Date(s)
OEP MS4 Mapping Training	Web Videos for Internal Use
Meetings with District Drainage Engineers (typically 10 – 15 people)	8/11/2020, 11/16/2020, 2/23/2021, 5/18/2021
IDDE & GIS Training for CTDOT Environmental Compliance Consultants	9/9/2020, 9/15/2020, 9/16/2020
District 2 Construction Winter Training (est. 50 people)	2/2/2021
District 1 Construction Winter Training (est. 50people)	2/24/2021
District 4 Construction Winter Training (est. 40 people)	2/24/2021
District 2 Maintenance Training (est. 25 people)	4/14/2021
DOT Maintenance Managers Meeting (est. 30 people)	4/7/2021
DOT Construction Supervisor's Training (est. 100 people)	2/10/2021
Street sweeping	
Curb miles swept this year	12,896 miles
Volume (or mass) of material collected	Unknown
Catch basin cleaning	
Total number of CTDOT owned or maintained catch basins	50,557 mapped to date / total
Total number of catch basins cleaned this year	7,074
Total number of catch basins cleaned in MS areas	Unknown
Total number of catch basins cleaned in MS4 priority areas	Unknown
Catch basins inspected	Unknown
Volume (or mass) of material removed from all catch basins	Unknown

CTDOT Stormwater Management Facilities / BMPs	341 mapped to date / total unknown
CTDOT Stormwater Management Facilities / BMPs Inspected	Inspection & Maintenance Program in Development
CTDOT Stormwater Management Facilities / BMPs Cleaned	Inspection & Maintenance Program in Development. (Available maintenance records document only a portion of the overall work completed; 17 HDS Units cleaned).
Private or Municipally Owned Stormwater Management Facilities / BMPs connected to CTDOT's MS4 System	11 mapped to date / total unknown
Structure Rinsing Operations Total number of structures rinsed	51 Bridges
Snow management Number of Winter Weather Events	9 Statewide Events / 10 Partial Events
Type(s) of deicing material used	Sodium Chloride, Sodium Chloride to make Salt Brine, and Liquid Magnesium Chloride
Total amount of each deicing material applied	270,761 tons of Sodium Chloride 212 tons to make 159,450 gallons of salt brine 947,187 gallons of Magnesium Chloride
Type(s) of deicing equipment used	Calibrated Spreaders for salt, salt slurry spreaders to spread brine and liquid
Lane-miles treated	10,800 miles
Snow disposal location	None this year

Staff training provided on application methods & equipment	Monthly Snow and Ice committee meetings are held throughout the year to provide efficient snow and ice management. We have outfitted 190 trucks with route and application tracking to date and are scheduled to have another 300 trucks outfitted this year.
Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems)	No locations identified this permit term

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

The optimization plan developed focuses on utilizing Geographic Information Systems (GIS) to track catch basin inspections and cleaning. Implementation of this plan requires additional resources to be deployed Department wide. The schedule for deployment is undetermined. The application will have the ability to document inspection and maintenance activities on individual catch basins. Additionally, the CTDOT MS4 Team will continue to work with The Department of Highway Operations to develop an alternative schedule to clean catch basins along limited access highways.

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.

No standalone water quality improvement retrofit projects are planned for this permit term. The CTDDOT is working with the United States Geological Service (USGS) to develop and utilize a stormwater modeling program to identify and prioritize locations where the CTDOT MS4 system has the potential to contribute pollution to a local waterbody. Development of the model is expected to take until the end of this permit term.

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

See above. All DCIA disconnections will be achieved through planned development and redevelopment projects funded through the existing capital budget.

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

See above.

Part II: Impaired waters investigation and monitoring

1. Impaired waters investigation and monitoring program

1.1 Identify 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>.

CTDOT MS4 system spans the entire State and discharges to many impaired waterbodies.

1.2 Describe program status

In consideration of the thousands of outfalls connected to the state drainage systems, an automatic outfall sampling option was incorporated into the CTDOT MS4 permit to address impaired waters sampling requirements. In order to meet the permit's monitoring requirements, the USGS, on behalf of CTDOT, has begun a rigorous auto sampling program that consists of continuously monitoring a total of nine outfalls from highways for a period of approximately two years each. Each sampling event consist of over 40 analytes. The nine sites were selected based upon land use type, impervious area and the average daily traffic that passes through the drainage area for the outfall. The nine locations are:

Automatic Monitoring Outfall Locations

YEAR 1 & 2

1. I-91 Hartford
2. Route 2 Glastonbury
3. Route 3 Glastonbury
4. Route 74 Vernon
5. Route 8 Torrington

YEAR 3 & 4

6. I-95 Milford
7. Route 15 Orange
8. Route 15 Milford
9. Route 139 Branford

Status of Phase 1 Locations

Sample collection scheduled for phase 1 sites through April 2021

Highway and location	Proposed number of composite samples	Number of composite samples collected as of 6/30/2021
State Route 2, Glastonbury, CT.	15-18	18
State Route 3, Glastonbury, CT.	15-18	18
State Route 8, Torrington, CT.	15-18	18
State Route 74, Vernon, CT.	15-18	18
Interstate 91, Hartford, CT.	15-18	18

The next step in the program is to move the existing equipment from four of the phase 1 sites and relocate them to the greater Milford area for 2 years of continuous sampling. The estimated schedule calls for the

stations to be relocated and operational by the end of the summer of 2021. Due to deterioration of some of the pipes in the originally planned Trumbull and Stratford locations, these stations have been relocated to comparable sites in Milford and Branford.

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

2.1 Screening data collected

Beyond the auto sampling at designated locations by USGS described above, the CTDOT also collected samples of a waterbody's impairment if illicit discharge detection and elimination sampling was done at an outfall. A total of 108 outfall locations were sampled or attempted to be sampled for the waterbody impairment(s) to which the outfall discharged. These locations were divided as follows.

- 5 were Inaccessible
- 7 were Not Found
- 45 locations had no flow to sample (wet and dry weather assignments)
- 51 locations were able to be sampled
 - o Bacteria
 - 44 bacteria samples were taken
 - 24 were below the applicable thresholds in the MS4 Permit
 - 19 were above the recreation E Coli / Enterococci thresholds
 - 1 was above the designated swimming Enterococcus threshold of 104 cols/100mls
 - o Nitrogen
 - 14 samples taken
 - 6 exceeded 2.5 mg/l permit threshold
 - o Phosphorus
 - 17 samples taken
 - 1 exceeded 0.3 mg/l permit threshold
 - o Turbidity (Other Pollutant of Concern)
 - 1 sample taken
 - It did not exceed 5 NTU difference from upstream turbidity level

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

For sampling results that are above the thresholds listed in the permit, the CTDOT shares the results with municipality, local sewer authority and/or the local health department in an effort to identify any known issues within the catchment areas and coordinate any catchment investigations or mitigation efforts. This approach was successful in West Hartford where the Town's consultant was able to identify an illicit sanitary connection after CTDOT's sampling data was shared with the Town. The CTDOT also performed a catchment investigation in Derby on October 5th in an attempt to identify the source of elevated surfactant, ammonia and bacteria readings. The investigation did not produce any information regarding a potential source. CTDOT MS4 staff also performs a visual investigation on catchment areas with exceedances and a reasonable chance of identifying a source.

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

The CTDOT is following a Town by Town outfall monitoring approach during its first five-year permit term in which any non-excluded outfall will attempt to be screened / sampled once the CTDOT stormwater assets in the Town are mapped. Generally, all non-excluded outfalls are dry weather screened / sampled regardless of their prioritization category. Higher priority outfalls are then highlighted for consultants during wet weather sampling in case all wet weather sampling locations cannot be sampled within the March to June window specified in the permit. The CTDOT has developed a script within its GIS database to help automatically identify high priority outfalls using land use or other available GIS data based upon the System Vulnerability Factors within the IDDE Guidance of the General Permit.

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).

Due to the thousands of outfalls owned and maintained by CTDOT, it is not feasible to list catchments individually below. The table below lists the number of catchments in each of the four prioritization categories based on mapping that was completed through permit year 2. CTDOT has developed a script within the GIS database to auto assign a category for catchments based on a spatial analysis in GIS.

Catchment Category	Number of Catchments within Each Category Based on Mapping Completed in Permit Year 2			Problem
	Excluded	Low Priority	High Priority	
Number of Outfalls/Catchments in Category	5,996	1,984	415	3

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

2.1 Dry weather screening and sampling data from outfalls and interconnections

Provide sample data for outfalls where flow is observed. Only include pollutant of concern data for outfalls that discharge into stormwater impaired waterbodies.

CTDOT conducted dry weather sampling at 98 outfalls that had dry weather flow. Of these, 13 locations discharged to an impaired waterbody but only 10 of these had known pollutants of concern. CTDOT sampled the 10 locations for the pollutant(s) of concern identified which was mostly bacteria. Please refer to the Appendix A at the end of this report for a complete listing of the inspection results for the 98 dry weather flow locations. Overall, outfalls were dry weather screened within the following 17 municipalities: Canton, Cheshire, Cromwell, East Lyme, Enfield, Hamden, Ledyard, Milford, New London, Norwich, Orange, Rocky Hill, Stonington, Waterford, West Hartford, Wethersfield and Woodbridge.

2.2 Wet weather sample and inspection data

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

CTDOT attempted wet weather sampling at 211 outfalls (246 sampling attempts total) in year 2 of the permit. Of these, 190 locations were successfully sampled. A desktop analysis indicated that each outfall designated to be wet weather sampled likely had at least one SVF. Outfalls were wet weather sampled within the following 13 municipalities: Waterford, Ledyard, Wethersfield, New London, Canton, Simsbury, Hamden,

West Hartford, Cheshire, Rocky Hill, Enfield, Cromwell and Beacon Falls. Refer to the Appendix B at the end of this report for a summary of the analytical data for the 190 locations successfully wet weather sampled.

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

3.1 System Vulnerability Factor Summary

For those catchments being investigated for illicit discharges (i.e., categorized as high priority, low priority, or problem) document the presence or absence of System Vulnerability Factors (SVF). If present, report which SVF's were identified.

All 17 catchments that have been designated as problem catchments have, at a minimum, the following SVFs: 1) crossings of storm and sanitary alignments and/or 2) storm and sanitary infrastructure greater than 40 years old in medium and densely developed areas. Other SVF's may also be present.

Where SVFs are:

1. History of Sanitary Sewer Overflows (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

CTDOT conducted one dry weather illicit discharge catchment investigation during this permit term in the Town of Derby for screening and sampling point 170-SS-32. No source was identified as part of the investigation.

Key Junction Manhole ID	Screening / Sample date	Visual/ olfactory evidence of illicit discharge	Ammonia	Chlorine	Surfactants
170-SS-32	10/22/2020	No	N/A	N/A	N/A

3.3 Wet weather investigation outfall sampling data

CTDOT identified 11 outfalls during wet weather sampling activities where the analytical data or visual/olfactory evidence met the highest priority criteria for an investigation as listed in CTDOT MS4 permit. These 11 locations are classified as problem catchments and are included in section 3.1 above.

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants	E Coli	Enterococci
170-SS-2826	4/15/2021	0.50mg/l	0.00mg/l	2.00mg/l	15,500cols/100mls	N/A
170-SS-2864	4/15/2021	0.50mg/l	0.00mg/l	0.75mg/l	24,200 cols/100mls	N/A
170-SS-2857	4/15/2021	1.00mg/l	0.00mg/l	0.50mg/l	4350 cols/100mls	N/A
170-SS-1399	4/15/2021	0.60mg/l	0.20mg/l	0.70mg/l	N/A	3450 cols/100mls
170-SS-1404	4/15/2021	0.60mg/l	0.20mg/l	0.30mg/l	N/A	4880 cols/100mls
170-SS-2587	4/29/2021	0.80mg/l	0.00mg/l	0.40mg/l	24,200 cols/100mls	N/A
170-SS-2622	4/29/2021	0.80mg/l	0.00mg/l	0.30mg/l	743 cols/100mls	N/A
170-SS-1413	5/5/2021	0.80mg/l	0.00mg/l	0.40mg/l	7270 cols/100mls	N/A
170-SS-3821	6/14/2021	1.00mg/l	0.00mg/l	1.75mg/l	19,900cols/100mls	N/A
170-SS-2125	6/14/2021	0.50mg/l	0.00mg/l	1.00mg/l	15,500cols/100mls	N/A
170-SS-5283	6/22/2021	0.80mg/l	0.00mg/l	0.40mg/l	4110 col/100mls	N/A

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

N/A - CTDOT was not able to confirm a source during the catchment investigation in Derby.

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

Print name: **Adam Fox, P.E.**
Principal Engineer, Environmental Compliance &
Engineering Project Coordination, Connecticut
Department of Transportation

Signature / Date:

Appendix A

PART III

Section 2.1 Dry weather sampling data from outfalls and interconnections

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-433	3/16/2021, 11:10 AM	Flow observed but unable to sample												Housatonic Main Stem	Yes	CAUSE UNKNOWN	Other pollutant of concern
170-SS-755	6/8/2020, 7:51 AM			0.21	100	0.7	65	75	15,500					Southeast Western Complex	No		
170-SS-1401	10/19/2020, 9:29 AM			0.22	100		54							Thames Main Stem	No		
170-SS-2421	6/10/2020, 8:45 AM			4.32	2,300		68							Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus).	
170-SS-2423	6/10/2020, 10:42 AM			0.41	200		67							Southeast Shoreline	Yes	Escherichia coli; CAUSE UNKNOWN; Escherichia coli; CAUSE UNKNOWN	Bacteria, Other pollutant of concern; Bacteria, Other pollutant of concern
170-SS-2423	6/10/2020, 10:48 AM			0.41	200		67							Southeast Shoreline	Yes	Escherichia coli; CAUSE UNKNOWN; Escherichia coli; CAUSE	Bacteria, Other pollutant of concern; Bacteria, Other pollutant of concern

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
																UNKNOWN	
170-SS- 2535	4/23/2020, 1:01 PM			298	133	0.3	51	171	1,580					South Central Western Complex	Yes	Escherichia coli	Bacteria
170-SS- 2541	4/23/2020, 1:35 PM			683	322	0.35	46	2	216					South Central Western Complex	No		
170-SS- 2548	4/23/2020, 1:22 PM			462	216	0.25	49	10	144					South Central Western Complex	No		
170-SS- 2581	5/7/2020, 1:51 PM			486	278	0.2	65							South Central Western Complex	Yes	Escherichia coli	Bacteria
170-SS- 2589	4/23/2018, 1:30 PM			156	72.6	0.25	46	529	1,440					South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 2593	4/23/2020, 11:43 AM	Flow observed but unable to sample												Quinnipiac	No		
170-SS- 2610	4/9/2020, 9:21 AM			464	153	0.3	52	19,900	19,900					Quinnipiac	No		
170-SS- 2612	4/9/2020, 9:07 AM			438	218	0.2	52							Quinnipiac	No		
170-SS- 2620	5/7/2020, 2:20 PM			852	430	0.15	66							South Central Western Complex	No		
170-SS- 2677	7/9/2020, 8:21 AM			483	2.36		72							Thames Main Stem	No		
170-SS- 2987	5/5/2020, 10:39 AM	1		152	225	0.25	51	96	1,040					South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3020	8/27/2020, 1:18 PM		0.2	0.24	100		69	175	8,660					Farmington	No		
170-SS-3532	8/24/2020, 8:28 AM			0.15	100	0.6	70	10	3,870					Farmington	Yes	ESCHERIC HIA COLI (E. COLI)	Bacteria
170-SS-3795	10/15/2020, 8:48 AM			0.33	200		61							Southeast Eastern Complex	No		
170-SS-3798	10/19/2020, 7:44 AM		0.5	0.16	100		57			10				Thames Main Stem	Yes		
170-SS-3804	10/19/2020, 9:46 AM	Flow observed but unable to sample												Thames Main Stem	No		
170-SS-4063	12/4/2020, 11:46 AM			2	130	0.1	58	10	1,150					Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-4067	11/25/2020, 9:24 AM			0.58	400		54							Connecticut Main Stem	No		
170-SS-4073	12/4/2020, 12:20 PM			0.45	300	0.2	56	10	1,720					Connecticut Main Stem	No		
170-SS-4074	12/4/2020, 12:21 PM			0.83	500	0.1	58	10	1,660					Connecticut Main Stem	No		
170-SS-5264	11/25/2020, 12:21 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5893	12/3/2020, 12:26 PM			0.31	200	0.3	51	19,900	24,200					Connecticut Main Stem	No		
170-SS-6067	11/25/2020, 10:16 AM	Flow observed but unable to sample												Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-6380	3/31/2021, 1:25 PM			450	200		54							South Central Western Complex	No		
170-SS-6510	3/16/2021, 9:55 AM			0.43	0.3		40							South Central Western Complex	No		
170-SS-6515	1/25/2021, 2:02 PM			0.17	100		45	10	250					South Central Western Complex	No	E. Coli	
170-SS-6517	1/25/2021, 2:04 PM		0.2	0.17	100		45	10	150					South Central Western Complex	No	E. Coli	
170-SS-6530	3/17/2021, 1:10 PM			0.51	400		46							South Central Western Complex	No		
170-SS-6533	1/25/2021, 12:12 PM	Flow observed but unable to sample												South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 6535	3/17/2021, 10:10 AM			0.49	400		46							South Central Western Complex	No		
170-SS- 6536	3/17/2021, 10:16 AM			0.12	100	0.1	45	41	1,090					South Central Western Complex	No		
170-SS- 6537	3/17/2021, 11:37 AM			0.26	200	0.1	45	10	606					South Central Western Complex	No		
170-SS- 6550	3/16/2021, 10:53 AM			0.23	200	0.1	41	31	789					South Central Western Complex	No		
170-SS- 6551	3/16/2021, 10:47 AM			0.21	200		42							South Central Western Complex	No		
170-SS- 6552	3/16/2021, 10:44 AM			0.16	100		43							South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-6611	1/26/2021, 8:21 AM			0.63	500		43							South Central Western Complex	No		
170-SS-6620	3/16/2021, 11:37 AM	Flow observed but unable to sample												South Central Western Complex	No	E. Coli	
170-SS-6621	3/16/2021, 11:20 AM			0.17	100		43	31	789					South Central Western Complex	No	E. Coli	
170-SS-7079	1/26/2021, 9:41 AM	Flow observed but unable to sample												South Central Western Complex	No		
170-SS-7102	3/16/2021, 10:37 AM			0.16	100		39							South Central Western Complex	No		
170-SS-9306	5/11/2021, 8:29 AM			0.51	300		56							South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-9309	5/11/2021, 7:40 AM	0.2		0.64	400		55	122	7,270					South Central Western Complex	No		
170-SS-9311	5/11/2021, 8:07 AM			0.62	400		55							South Central Western Complex	Yes	Escherichia coli; Escherichia coli	Bacteria; Bacteria
170-SS-9324	5/11/2021, 10:54 AM			0.22	100		60							South Central Western Complex	No		
170-SS-9325	5/11/2021, 11:09 AM			0.23	100		59							South Central Western Complex	No		
170-SS-9351	5/11/2021, 2:15 PM			0.2	100		70							South Central Shoreline	No		
170-SS-9372	4/27/2021, 10:07 AM	0.4		0.84	600	0.1	54			41	6.88	0.11		South Central Shoreline	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-9373	4/27/2021, 8:39 AM			9.2	720	0.1	52			52	3.01	0.06		South Central Shoreline	No		
170-SS-9374	4/27/2021, 8:42 AM			25.2	10,000.00	0.1	53			211	0.58	0.06		South Central Shoreline	No		
170-SS-9375	5/12/2021, 7:01 AM			28.78	10,000.00	0.2	53			20	0.65	0.09		South Central Shoreline	No		
170-SS-9380	4/23/2021, 12:37 PM	0.2		0.5	300	0.2	55	10	24,200	10				South Central Western Complex	No		
170-SS-9383	5/11/2021, 11:04 AM		0.2	0.43	300	0.3	62	10	8,660					South Central Shoreline	No		
170-SS-9385	5/12/2021, 7:51 AM			0.62	400	0.2	52	10	24,200					South Central Shoreline	Yes	CAUSE UNKNOWN	Other pollutant of concern

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-9431	3/16/2021, 11:42 AM	0.2		0.26	200	0.1	40	24,200	24,200					South Central Western Complex	No		
170-SS-9638	4/27/2021, 7:28 AM			0.65	400		51							South Central Shoreline	No		
170-SS-10038	5/11/2021, 11:36 AM		0.2	0.32	200		58	63	4,610					South Central Western Complex	No		
170-SS-10112	5/3/2021, 1:57 PM	Flow observed but unable to sample												Housatonic Main Stem	No		
170-SS-10158	5/11/2021, 12:56 PM			0.12	100	0.2	65	443	3,650					South Central Shoreline	No		
170-SS-2665	7/10/2020, 10:07 AM			644	3.51	0.5	74			173				Shetucket	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 2666	7/10/2020, 10:05 AM			687	3.95	0.5	75			109				Shetucket	No		
170-SS- 2671	7/10/2020, 8:40 AM			522	1.77	0.75	73			3,450				Yantic	No		
170-SS- 2672	7/10/2020, 9:08 AM			499	1.65	0.5	73			2,610				Yantic	No		
170-SS- 2683	7/10/2020, 10:48 AM	0.5		644	2.79	0.5	75			75				Shetucket	No		
170-SS- 2848	6/10/2020, 1:23 PM	0.25		670	290		61							Park	No		
170-SS- 2905	6/5/2020, 2:35 PM			670	280	0.5	67							Park	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3434	8/31/2020, 4:30 PM			890	400	0.25	68							Quinnipiac	No		
170-SS-3521	7/30/2020, 1:06 PM			940	410		68							Quinnipiac	No		
170-SS-5170	10/22/2020, 2:26 PM			930	400		61	14,100	19,900					Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5172	10/22/2020, 3:25 PM			1,140.00	480		63	63	1,470					Mattabesset	Yes	Escherichia coli; Escherichia coli; CAUSE UNKNOWN	Bacteria; Bacteria, Other pollutant of concern
170-SS-5246	10/21/2020, 11:39 AM			1,380.00	700		64							Mattabesset	No		
170-SS-5324	4/8/2021, 9:17 AM	0.5	0.5	258	125	0.25	54							Southeast Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5329	4/8/2021, 9:36 AM			357	176	0.25	57							Southeast Western Complex	No		
170-SS-5337	4/6/2021, 9:23 AM			155.5	69	0.25	48	10						Southeast Western Complex	No		
170-SS-5341	4/6/2021, 10:14 AM	0.5		310	137	0.25	53	1,220						Southeast Western Complex	No		
170-SS-5342	4/6/2021, 10:38 AM			310	131	0.25	49	63						Southeast Western Complex	No		
170-SS-5448	12/11/2020, 3:22 PM	0.25		480	270		54		771					Connecticut Main Stem	No		
170-SS-5552	1/8/2021, 9:33 AM			163	75	0.25	39							Southeast Eastern Complex	No	Bacteria	

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 5555	1/8/2021, 10:24 AM		0.5	365	182	0.25	44							Southeast Eastern Complex	Yes		
170-SS- 5556	1/8/2021, 10:56 AM			4.31	707		40			20				Southeast Eastern Complex	Yes		
170-SS- 5565	1/13/2021, 11:38 AM			200	100		50							Southeast Eastern Complex	No		
170-SS- 5576	1/15/2021, 10:32 AM			194	93		45							Southeast Eastern Complex	No		
170-SS- 5580	1/19/2021, 11:21 AM			157	72	1.5	39			10				Pawcatuck Main Stem	No		
170-SS- 5591	1/19/2021, 10:01 AM			196	95	0.25	47							Pawcatuck Main Stem	Yes	Escherichia coli	Bacteria

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 5622	1/15/2021, 11:30 AM			152	70		42							Southeast Eastern Complex	No		
170-SS- 5799	12/11/2020, 2:31 PM			890	500		50							Connecticut Main Stem	No		
170-SS- 5851	12/10/2020, 4:00 PM			450	210		44							Connecticut Main Stem	No		
170-SS- 5866	12/9/2020, 1:13 PM	0.25		490	250		48							Connecticut Main Stem	No		
170-SS- 5873	12/9/2020, 12:07 PM			320	140		49							Connecticut Main Stem	No		
170-SS- 5874	12/10/2020, 2:53 PM			330	200		46							Connecticut Main Stem	No	Polychlorinated Biphenyls (PCBs)	

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/10 0mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 5876	12/9/2020, 10:44 AM			1,260.00	600		52							Connecticut Main Stem	No		
170-SS- 6381	3/31/2021, 2:35 PM			590	290		51							South Central Western Complex	No		
170-SS- 6393	3/31/2021, 4:20 PM			340	150		51							South Central Western Complex	No		

Appendix B

PART III

Section 2.2 Wet weather sample and inspection data

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-735	4/16/2021, 7:46 AM			0.03		0.2	47			373	0.25	0.05		Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus).	
170-SS-737	4/16/2021, 8:19 AM			0.03		0.1	44			323	0.4	0.04		Thames Main Stem	Yes		
170-SS-739	4/16/2021, 10:34 AM			0.06		0.1	45			189	0.91	0.04		Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus).	
170-SS-740	4/16/2021, 9:16 AM			0.05		0.1	46			336	0.48	0.03		Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus).	
170-SS-746	4/16/2021, 9:13 AM			0.06			45							Thames Main Stem	No		
170-SS-755	4/16/2021, 7:01 AM			0.09	100		44							Southeast Western Complex	No		
170-SS-756	4/16/2021, 6:44 AM			0.26	200		48							Southeast Western Complex	No		
170-SS-762	4/16/2021, 11:14 AM			0.1	100	0.1	46	213	17,300					Southeast Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-768	4/16/2021, 7:40 AM			0.08	100		44							Southeast Western Complex	No		
170-SS-769	4/16/2021, 7:21 AM	Flow observed but unable to sample												Southeast Western Complex	No		
170-SS-973	4/16/2021, 8:05 AM			0.02			44	120	12,000					Southeast Western Complex	Yes	ESCHERICHIA COLI (E. COLI)	Bacteria
170-SS-974	4/16/2021, 9:51 AM			0.16	100		45			228				Southeast Western Complex	No		
170-SS-1398	4/15/2021, 2:13 PM	0.6		0.37	200	0.4	51			213	5.1	0.32		Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus)	
170-SS-1399	4/15/2021, 1:21 PM	0.6	0.2	0.55	400	0.7	52			3,450	6.23	0.16		Thames Main Stem	Yes		
170-SS-1400	4/15/2021, 1:53 PM			0.09	100	0.3	50			865	4.21	0.19		Thames Main Stem	Yes		
170-SS-1404	4/15/2021, 2:36 PM	0.6	0.2	0.4	300	0.3	51			4,880	3.36	0.2		Thames Main Stem	Yes		
170-SS-1408	5/5/2021, 12:37 PM	0.4	0.2	0.14	100	0.3	56							Thames Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-1410	4/15/2021, 2:24 PM			0.09	100	0.1	53	63	24,200					Southeast Eastern Complex	No		
170-SS-1413	5/5/2021, 12:57 PM	0.8		0.11	100	0.4	58	7,270	24,200					Southeast Eastern Complex	No		
170-SS-1415	4/15/2021, 1:17 PM			0.19	100		52							Southeast Eastern Complex	No		
170-SS-1527	3/18/2021, 2:40 PM		0.1	0.2	100	0.2	48	20	2,791					Connecticut Main Stem	No		
170-SS-2104	6/3/2021, 12:08 PM			245	110	0.25	64	63						Naugatuck	No		
170-SS-2104	4/1/2021, 12:18 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2108	6/3/2021, 12:05 PM			331	147	0.5	64	12,000						Naugatuck	No		
170-SS-2108	4/1/2021, 12:17 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2109	4/1/2021, 12:20 PM			395	187	0.25	49	52						Naugatuck	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2113	4/1/2021, 8:24 AM			209	94	0.25	47	1,940						Naugatuck	No		
170-SS-2114	4/1/2021, 8:26 AM			194	83	0.25	47	20						Naugatuck	No		
170-SS-2117	6/3/2021, 12:12 PM			159	73	0.25	65	3,650				0.09		Naugatuck	No		
170-SS-2117	4/1/2021, 12:38 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2119	4/1/2021, 12:46 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2119	6/3/2021, 12:46 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2119	6/14/2021, 12:46 PM			181	86	0.75	66	11,200						Naugatuck	No		
170-SS-2125	4/1/2021, 12:35 PM	Flow observed but unable to sample												Naugatuck	Yes	Escherichia coli	Bacteria
170-SS-2125	6/3/2021, 12:35 PM	Flow observed but unable to sample												Naugatuck	Yes	Escherichia coli	Bacteria

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2125	6/14/2021, 12:36 PM	0.5		528	251	1	65	15,500						Naugatuck	Yes	Escherichia coli	Bacteria
170-SS-2126	4/1/2021, 7:39 AM			158.8	73	0.25	48	9				0.03		Naugatuck	Yes	PHOSPHORUS, TOTAL; Escherichia coli; CAUSE UNKNOWN	Phosphorus, Bacteria, Other pollutant of concern
170-SS-2131	4/1/2021, 9:55 AM			580	278	0.25	47	20				0.03		Naugatuck	No		
170-SS-2145	6/3/2021, 12:10 PM			401	192	1.5	69	816				0.13		Naugatuck	No		
170-SS-2145	4/1/2021, 12:26 PM	Flow observed but unable to sample												Naugatuck	No		
170-SS-2421	4/16/2021, 8:41 AM			0.3	200		46			211	1.1	0.04		Thames Main Stem	No	Nitrogen, Phosphorus, and Bacteria (Enterococcus).	
170-SS-2423	4/16/2021, 10:53 AM			0.12	100		45	987	13,000					Southeast Shoreline	Yes	Escherichia coli; CAUSE UNKNOWN; Escherichia coli; CAUSE UNKNOWN	Bacteria, Other pollutant of concern; Bacteria, Other pollutant of concern

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2521	5/4/2021, 7:32 AM			0.03			55							Farmington	No		
170-SS-2524	4/29/2021, 12:38 PM			0.38	200	0.3	58	200	24,200					Farmington	Yes	ESCHERICHIA COLI (E. COLI)	Bacteria
170-SS-2535	4/15/2021, 11:00 AM			262	121	1	52	5,170	24,200					South Central Western Complex	Yes	Escherichia coli	Bacteria
170-SS-2538	4/28/2021, 8:00 PM	0.4		0.61	400	0.1	56	213	9,800					Farmington	No		
170-SS-2541	4/15/2021, 10:26 AM			758	359	0.5	52	10	14,100					South Central Western Complex	No		
170-SS-2542	4/29/2021, 1:34 PM			0.13	100		56							Farmington	No		
170-SS-2543	4/15/2021, 10:36 AM			215.6	96	2	50	84	24,200					South Central Western Complex	No		
170-SS-2546	4/1/2021, 7:43 AM			151.5	75.3		47	10	1,500					South Central Western Complex	Yes	Escherichia coli	Bacteria
170-SS-2548	4/15/2021, 10:06 AM			469	217	0.75	49	332	24,200					South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2551	4/21/2021, 4:22 PM			0.5	300		62							Farmington	No		
170-SS-2560	5/4/2021, 7:09 AM			0.05			54							Farmington	No		
170-SS-2565	5/4/2021, 6:53 AM			0.06			54							Farmington	No		
170-SS-2578	4/1/2021, 7:20 AM			0.4	300		48							Farmington	No		
170-SS-2581	4/15/2021, 9:24 AM			197.1	92.7	1.75	54	373	24,200					South Central Western Complex	Yes	Escherichia coli	Bacteria
170-SS-2582	4/15/2021, 11:21 AM			198.8	100	0.75	53	8,160	24,200					South Central Western Complex	No		
170-SS-2587	4/29/2021, 12:04 PM	0.8		1.71	1,100.00	0.4	58	24,200	24,200					Farmington	No	E. Coli	
170-SS-2589	4/15/2021, 9:46 AM			166.3	77.3	2	52	20	15,500					South Central Western Complex	No		
170-SS-2593	4/15/2021, 12:41 PM			109.5	50.5	1.5	54	633	24,200					Quinnipiac	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2594	4/1/2021, 10:06 AM			389	167	0.5	50	31	19,900					Quinnipiac	No		
170-SS-2600	5/4/2021, 6:28 AM			0.1	100		53							Farmington	No		
170-SS-2602	5/4/2021, 6:04 AM			0.09	100		55							Farmington	No		
170-SS-2603	5/4/2021, 6:17 AM			0.04			55							Farmington	No		
170-SS-2609	4/1/2021, 9:15 AM			395	184	0.5	45	41	4,110					Quinnipiac	No		
170-SS-2610	4/1/2021, 9:05 AM			309	132	0.25	47	275	4,350					Quinnipiac	No		
170-SS-2611	4/1/2021, 8:48 AM			468	221	0.25	47	31	2,190					Quinnipiac	No		
170-SS-2612	4/1/2021, 8:23 AM			490	225	0.75	47	10	1,720					Quinnipiac	No		
170-SS-2617	4/21/2021, 4:34 PM	0.4		0.19	100		57	473	24,200					Farmington	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2618	4/29/2021, 12:06 PM			0.2	100		57							Farmington	No		
170-SS-2620	4/15/2021, 12:18 PM			137.9	65	2	53	857	24,200					South Central Western Complex	No		
170-SS-2622	4/29/2021, 12:35 PM	0.8		0.53	300	0.3	56	743	17,300					Farmington	No		
170-SS-2628	4/1/2021, 9:52 AM			356	164	0.4	48	505	17,300					Quinnipiac	No		
170-SS-2629	4/15/2021, 9:57 AM			73.7	34.2	1	51	41	24,200					South Central Western Complex	No		
70-SS-2637	4/29/2021, 11:31 AM		0.2	0.39	200		55	512	7,700					Farmington	No	E. Coli	
170-SS-2739	6/14/2021, 8:34 AM			0.06			64							Farmington	No		
170-SS-2740	6/22/2021, 3:42 PM	1	0.2	0.12	100	0.6	67							Farmington	No		
170-SS-2743	6/14/2021, 9:09 AM			0.05			65							Farmington	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2822	6/14/2021, 10:41 AM			210	90		65							Park	No		
170-SS-2825	4/15/2021, 3:49 PM	0.25		60	30	0.5	55	10	17,300					Quinnipiac	No		
170-SS-2826	4/15/2021, 12:07 PM	0.5		1,000.00	500	2	55	15,500	24,200					Park	No		
170-SS-2828	5/4/2021, 11:00 AM			240	150		57							Park	No		
170-SS-2847	5/4/2021, 7:26 AM			90	40		54							Park	No		
170-SS-2848	5/4/2021, 8:10 AM			750	360		54							Park	No		
170-SS-2849	6/14/2021, 11:50 AM			190	40		66							Park	No		
170-SS-2850	6/14/2021, 11:26 AM			50	30	0.5	65							Park	No		
170-SS-2857	4/15/2021, 1:15 PM	1		1,100.00	500	0.5	50	4,350	19,900					Park	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-2858	4/15/2021, 1:30 PM	0.25		760	300	0.25	50							Park	No		
170-SS-2864	4/15/2021, 12:45 PM	0.5		220	100	0.75	55	24,200	24,200					Park	No		
170-SS-2905	5/4/2021, 9:18 AM			460	220		56							Park	No		
170-SS-2906	5/4/2021, 9:29 AM			490	210		54							Park	No		
170-SS-2907	5/4/2021, 9:41 AM			650	320		54							Park	No		
170-SS-2913	4/16/2021, 10:21 AM			0.07		0.4	43			884				Thames Main Stem	No		
170-SS-2962	4/16/2021, 10:42 AM			0.11	100		46							Southeast Shoreline	No		
170-SS-2987	4/15/2021, 11:59 AM			216	102	2	53	19,900	24,200					South Central Western Complex	No		
170-SS-2990	4/15/2021, 12:10 PM			19	8.4	0.25	53	31	2,910					South Central Western Complex	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3005	5/4/2021, 7:55 AM			270	150	0.75	55	7,270	24,200					Park	No		
170-SS-3020	5/4/2021, 7:55 AM			0.15	100		53							Farmington	No		
170-SS-3023	6/14/2021, 7:52 AM	2		0.29	200	0.2	66	6,230	24,200					Farmington	No		
170-SS-3111	3/18/2021, 3:54 PM			130	70		47							South Central Western Complex	No		
170-SS-3112	3/18/2021, 3:36 PM	0.25		250	100		48							South Central Western Complex	Yes	CAUSE UNKNOWN	Other pollutant of concern
170-SS-3322	4/15/2021, 3:03 PM			130	65		55							Quinnipiac	No		
170-SS-3324	6/22/2021, 4:55 PM	0.2	0.2	0.07		0.4	67							Park	No		
170-SS-3325	6/14/2021, 9:35 AM			130	50		65							Park	No		
170-SS-3349	5/4/2021, 7:22 AM			150		1.25	56	4,710	24,200					Park	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3366	3/18/2021, 1:22 PM			250	100	0.5	48	41	3,450					South Central Western Complex	No		
170-SS-3434	4/15/2021, 2:34 PM			440	200		55							Quinnipiac	No		
170-SS-3512	3/18/2021, 3:03 PM			580	300	0.5	48	41	1,150					South Central Western Complex	Yes	CAUSE UNKNOWN	Other pollutant of concern
170-SS-3513	3/18/2021, 1:56 PM			170	75	0.75	48	10	2,910					South Central Western Complex	No		
170-SS-3521	4/15/2021, 3:31 PM			160	75		55							Quinnipiac	No		
170-SS-3523	4/15/2021, 4:39 PM	0.25		50	20		50							Quinnipiac	No		
170-SS-3528	5/4/2021, 9:09 AM			0.02	100		52							Farmington	No		
170-SS-3529	5/4/2021, 8:39 AM			0.04			53							Farmington	No		
170-SS-3530	5/4/2021, 8:55 AM			0.03			52							Farmington	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3532	6/14/2021, 10:14 AM			0.06		0.7	61	13,000	24,200					Farmington	Yes	ESCHERICHIA COLI (E. COLI)	Bacteria
170-SS-3536	6/14/2021, 8:53 AM			0.11	100		61							Farmington	No		
170-SS-3537	6/14/2021, 8:41 AM			0.07			62							Farmington	No		
170-SS-3538	6/14/2021, 8:22 AM			0.08			62							Farmington	No		
170-SS-3539	6/14/2021, 11:29 AM			0.02			59							Farmington	No		
170-SS-3540	6/14/2021, 8:06 AM	0.2		0.07			64	24,200	24,200					Farmington	No		
170-SS-3543	6/14/2021, 10:37 AM			0.07			59							Farmington	No		
170-SS-3544	6/14/2021, 10:13 AM	0.2		0.1	100		59	4,110	24,200					Farmington	No		
170-SS-3545	6/14/2021, 9:53 AM	0.2		0.04			62	771	24,200					Farmington	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3547	6/14/2021, 9:16 AM	0.1	0.2	0.04			61	14,100	24,200					Farmington	No		
170-SS-3548	6/14/2021, 9:33 AM			0.07			60							Farmington	No		
170-SS-3550	6/14/2021, 11:01 AM	0.2		0.05		0.1	64	189	24,200					Farmington	No		
170-SS-3552	6/14/2021, 10:59 AM	0.2		0.03			63	435	24,200					Farmington	No		
170-SS-3565	3/18/2021, 3:21 PM			0.29	200	0.4	50	40	804					Connecticut Main Stem	No		
170-SS-3757	6/14/2021, 12:03 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-3758	5/10/2021, 8:28 AM			524	243	0.5	54	31	9,800					Connecticut Main Stem	No		
170-SS-3759	5/10/2021, 9:36 AM			453	214	2	53	7,700	24,200					Connecticut Main Stem	No		
170-SS-3760	5/10/2021, 9:47 AM			1,148.00	557		52	368	19,900					Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3793	5/5/2021, 1:04 PM			0.08	100		53							Thames Main Stem	No		
170-SS-3795	4/15/2021, 3:40 PM			0.22	100		50							Southeast Eastern Complex	No		
170-SS-3812	5/10/2021, 8:45 AM			399	189	0.3	51	5,170	24,200					Connecticut Main Stem	No		
170-SS-3813	5/10/2021, 9:09 AM			319	148	3	53	2,720	24,200					Connecticut Main Stem	No		
170-SS-3814	5/10/2021, 10:19 AM			148.1	69.7	0.3	55	233	24,200					Connecticut Main Stem	No		
170-SS-3816	5/10/2021, 10:39 AM			316	145	0.5	53	1,330	24,200					Connecticut Main Stem	No		
170-SS-3817	5/10/2021, 7:34 AM			607	293	0.4	53	377	17,300					Connecticut Main Stem	No		
170-SS-3821	6/14/2021, 9:04 AM	1		322	118	0.75	65	19,900	24,200					Connecticut Main Stem	No		
170-SS-3822	6/14/2021, 9:23 AM			114.7	52.8	1	64	4,350	24,200					Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3831	6/14/2021, 11:43 AM			319	146	1	66	4,880	24,200					Mattabeset	No		
170-SS-3833	6/14/2021, 11:58 AM			162.2	69.8	3	64	9,800	24,200					Connecticut Main Stem	No		
170-SS-3836	6/14/2021, 11:27 AM			172.8	82.3	1.5	67	7,270	24,200					Connecticut Main Stem	No		
170-SS-3841	6/14/2021, 11:09 AM			360	166	3	65	583	24,200					Connecticut Main Stem	No		
170-SS-3844	6/14/2021, 9:50 AM			102.8	46.8	2	67	1,180	24,200					Mattabeset	No		
170-SS-3845				610	326	1.5	66	1,040	24,200					Mattabeset	No		
170-SS-3846	6/14/2021, 10:59 AM	Flow observed but unable to sample												Mattabeset	No		
170-SS-3847	6/14/2021, 10:53 AM	Flow observed but unable to sample												Mattabeset	No		
170-SS-3848	5/10/2021, 11:47 AM		0.5	219	105	0.3	58	1,470	19,900					Mattabeset	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-3850	5/10/2021, 11:21 AM		0.5	142.5	66.1	0.3	56	275	24,200					Mattabeset	No		
170-SS-3853	6/14/2021, 10:26 AM			204	84.1	0.75	66	7,700	24,200					Connecticut Main Stem	No		
170-SS-3854	6/14/2021, 10:39 AM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-3855	6/14/2021, 10:39 AM	Flow observed but unable to sample												Mattabeset	No		
170-SS-4073	3/18/2021, 4:07 PM	0.2		0.19	100	0.4	48	20	4,370					Connecticut Main Stem	No		
170-SS-4074	3/18/2021, 11:56 AM			1.09	800		49							Connecticut Main Stem	No		
170-SS-4076	3/18/2021, 3:46 PM		0.1	0.35	200	0.2	49	20	24,200					Connecticut Main Stem	No		
170-SS-4077	3/18/2021, 12:14 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-4078	3/18/2021, 3:28 PM			0.21	100	0.6	48	20	786					Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-4079	3/18/2021, 12:35 PM			0.75	600		46							Connecticut Main Stem	No		
170-SS-5081	3/18/2021, 12:57 PM	0.6		3.16	2,500.00	0.5	48							Connecticut Main Stem	No		
170-SS-5082	3/18/2021, 2:06 PM			0.1	100	0.4	48	20	10,300					Park	No		
170-SS-5083	3/18/2021, 1:58 PM	0.1		0.44	300	0.2	48	20	1,810					Park	No		
170-SS-5103	5/27/2021, 9:34 AM			380	190		61							Scantic	No	Escherichia Coli (E.COLI)	
170-SS-5166	6/14/2021, 12:33 PM			80		0.25	66							Mattabesset	No	Bacteria(Escherichia Coli)	
170-SS-5167	6/14/2021, 9:10 AM			80	35		68							Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5168	4/16/2021, 3:19 PM	Flow observed but unable to sample												Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5168	6/14/2021, 8:54 AM			100	70	0.25	68							Mattabesset	No	Bacteria (Escherichia Coli)	

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5169	4/16/2021, 3:00 PM	Flow observed but unable to sample												Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5169	6/14/2021, 8:49 AM			100	80	0.5	68							Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5171	4/16/2021, 1:20 PM			580	290	0.25	49	677	14,100					Mattabesset	Yes	Escherichia coli; CAUSE UNKNOWN	Bacteria, Other pollutant of concern
170-SS-5172	4/16/2021, 1:43 PM			710	360	0.25	49	331	2,190					Mattabesset	Yes	Escherichia coli; Escherichia coli; CAUSE UNKNOWN	Bacteria; Bacteria, Other pollutant of concern
170-SS-5175	6/14/2021, 9:41 AM			170			65							Mattabesset	No		
170-SS-5175	6/14/2021, 9:54 AM			175			66							Mattabesset	No		
170-SS-5179	4/16/2021, 12:27 PM			350	170	0.75	49	6,130	24,200					Mattabesset	No	Bacteria (Escherichia Coli)	
170-SS-5195	4/16/2021, 11:30 AM	Flow observed but unable to sample												Mattabesset	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5246	4/16/2021, 11:05 AM			730	340		49							Mattabesset	No		
170-SS-5247	4/16/2021, 10:40 AM			260	120		49							Mattabesset	Yes	CAUSE UNKNOWN	Other pollutant of concern
170-SS-5248	6/14/2021, 11:50 AM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5249	6/14/2021, 11:17 AM			120			67							Mattabesset	No		
170-SS-5251	6/14/2021, 11:08 AM	Flow observed but unable to sample												Mattabesset	No		
170-SS-5252	6/14/2021, 10:59 AM													Mattabesset	No		
170-SS-5253	6/14/2021, 10:57 AM													Mattabesset	No		
170-SS-5254	6/14/2021, 10:55 AM													Mattabesset	No		
170-SS-5255	6/14/2021, 10:52 AM													Mattabesset	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5283	6/22/2021, 4:37 PM	0.8		0.05		0.4	67	4,110	24,200					Park	No		
170-SS-5287	3/18/2021, 3:13 PM		0.1	0.13	100	0.3	48	20	3,440					Connecticut Main Stem	No		
170-SS-5289	3/18/2021, 1:20 PM		0.2	0.81	600		45	20	20					Connecticut Main Stem	No		
170-SS-5446	4/15/2021, 4:01 PM			0.04			50							Thames Main Stem	No		
170-SS-5448	5/27/2021, 9:00 AM			700	340		65							Connecticut Main Stem	No		
170-SS-5488	4/15/2021, 3:51 PM			0.03		0.1	52	158	19,900					Thames Main Stem	No		
170-SS-5799	5/27/2021, 8:41 AM			320	160		64							Connecticut Main Stem	No		
170-SS-5843	3/18/2021, 1:30 PM	Flow observed but unable to sample												Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5851	5/10/2021, 12:34 PM			260	130		57							Connecticut Main Stem	No		
170-SS-5862	6/14/2021, 2:47 PM			130	60		62							Connecticut Main Stem	No		
170-SS-5864	5/10/2021, 11:36 AM			440	210		54							Connecticut Main Stem	No		
170-SS-5865	6/14/2021, 3:23 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5866	5/10/2021, 10:38 AM	0.5		360	170		52	1,080	14,100					Connecticut Main Stem	No		
170-SS-5867	6/14/2021, 3:50 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5868	6/14/2021, 3:54 PM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5874	5/27/2021, 7:30 AM			370	170		59							Connecticut Main Stem	No	Polychlorinated Biphenyls (PCBs)	
170-SS-5876	5/10/2021, 9:25 AM			1,310.00	800		54							Connecticut Main Stem	No		

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100mls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS-5881	6/14/2021, 2:11 PM			100	40		66							Connecticut Main Stem	No		
170-SS-5882	5/27/2021, 9:39 AM	Flow observed but unable to sample												Connecticut Main Stem	No		
170-SS-5882	6/14/2021, 1:33 PM			90	20		64							Connecticut Main Stem	No		
170-SS-5883	5/27/2021, 8:03 AM			710	30		70							Connecticut Main Stem	No		
170-SS-9951	4/16/2021, 10:00 AM			650	310		50							Mattabesset	No		
170-SS-9952	4/16/2021, 12:00 PM			410	190		50							Mattabesset	No		
170-SS-9953	4/16/2021, 12:00 AM	Flow observed but unable to sample												Southeast Western Complex			
170-SS-9954	4/16/2021, 12:00 AM													Southeast Western Complex			
170-SS-4077	3/18/2021, 12:00 AM													Connecticut Main Stem			

Screening/ Sampling Inspection ID	Inspection Date	Ammonia (mg/l)	Chlorine (mg/l)	Conductivity (mg/l)	Salinity (mg/l)	Surfactants (mg/l)	Water Temperature (Fahrenheit)	E.Coli (cols/100m ls)	Total Coliform (cols/100 mls)	Enterrococci (cols/100mls)	Nitrogen (mg/l)	Phosphorus (mg/l)	Mercury (mg/l)	Regional Drainage Basin	Directly Connected to Stormwater Impaired Waterway	Stormwater Impairment Cause	Stormwater Pollutant of concern
170-SS- 4077	3/18/202 1, 12:00 AM													Connecticut Main Stem			