

STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION



Annual Report for MS4 Permit Year 1

July 1, 2019 – June 30, 2020

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, 2019 – June 30, 2020]

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, 2019 to June 30, 2020.

Part I: Summary of Minimum Control Measure Activities

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

- 4/3/19 – SECCOG – Public Presentation – 7pm (13 in attendance)
- 4/4/19 – ACEC Presentation – 8am (over 25 in attendance)
- 4/9/19 – SCROG MS4 Meeting – 12pm-2pm (15 min. presentation) (approximately 20 in attendance)
- 4/23/19 - CRCOG – Public Presentation – 7pm (2 in attendance – CRCOG staff)
- 4/24/19 – SECCOG Stormwater Collaborative – 9am (15 minute presentation) (approximately 20 in attendance)
- 5/14/19 - NVCOG – Public Presentation – 7pm (0 attendees)
- 5/20/19 – Municipal Outreach Meeting @ DOT Headquarters – 10am (approximately 25 attendees)
- 5/31/19 – ACEC Presentation – 8am (approximately 20 attendees)
- 6/5/19 – MetroCOG – Cancelled

Below is an example of an email that was sent out to MS4 Communities via the list serve hosted by University of Connecticut for MS4 communities and institutions.

*The Connecticut Department of Transportation will be holding a public meeting on **Wednesday, April 3, 2019 at 7pm at 5 Connecticut Avenue, Norwich (SECCOG)** to provide the public with an opportunity to learn about the Department’s Municipal Separate Storm Sewer System (MS4) program.*

On July 1, 2019, the Connecticut Department of Transportation (the Department) will begin operating under the “General Permit for the Discharge of Stormwater from Department of Transportation Separate Storm Sewer Systems” issued by the Connecticut Department of Energy and Environmental Protection. The permit requires the Department to develop a Stormwater Management Plan (SWMP) and make it available for public review and comment. The SWMP documents best management practices that the Department will be implementing in an effort to improve water quality discharging from DOT’s stormwater system. The presentation will provide an overview of the Department’s MS4 permit, SWMP, and highlight areas of potential coordination and data sharing with Municipalities.

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	Work with other MS4 entities cooperatively	Environmental Compliance, Environmental Planning	June 30, 2020	Ongoing	Within the next permit term CTDOT is working on developing a sharing platform for drainage mapping resources with other MS4 entities

		mechanism to share drainage mapping and screening and sampling results with other MS4's					
1.5 Educate CTDOT Employees on the MS4 Program	Ongoing	Held designer workshops to ensure design standards for MS4 are followed. Incorporated MS4 guidance for CTDOT construction personnel trainings	Provide workshops for employees Department wide to inform them of MS4 requirements	Environmental Compliance, Environmental Planning	June 30, 2020	Ongoing	Refer to Section 6.3 for additional trainings regarding the IDDE program for CTDOT Employee's
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. In addition, CTDOT is expecting to create a sharing mechanism with other MS4 communities in order to share drainage mapping and IDDE screening / sampling information which will provide efficiencies statewide for implementing each individual MS4 program.

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.

CTDOT conducted public outreach focused on the dissemination of MS4 program information as well as the goals for CTDOT permit implementation. CTDOT meetings focused on two groups this permit term and those included Construction Inspectors and Designers. This permit term (July 2019- June 2020) CTDOT meetings focused on the integration of MS4 program initiatives with Construction Inspectors and Design Professionals. Construction Inspectors were educated on how to accurately identify illicit discharges, provided the procedure for notification of appropriate parties, and were trained in erosion and sedimentation control best management practices. Engineering personnel

were educated on how the design portion of their work must now incorporate the MS4 Designer Worksheet Standards. -All resources presented in these trainings 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, 2020	September 1, 2020	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, 2020	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, 2021	Existing State regulations to be leveraged when needed. Updating 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 860-594-2000 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	Mapping of CTDOT stormwater assets in 19	50% of Mapping Completed by Year 5. (Requires	Environmental Planning, Environmental	June 30, 2024	June 30, 2024	

		MS4 Municipalities and additional locations	at least 12 MS4 Municipalities to be mapped per year)	Compliance, Maintenance, Public Transit			
3.7 Screen and Sample all mapped outfalls and key interconnection points	In progress	Dry weather screening conducted on 710 CTDOT outfalls in 19 Municipalities. Wet weather sampling conducted on 321 CTDOT outfalls in 12 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	

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. Other planned activities include conducting investigations on catchments designated as areas of concern based on analytical data or field evidence.

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)
525 Water Street Bridgeport	3/25/2019	MS4	Unknown	Sanitary lateral connected to storm system	The CTDOT was notified by the City of Bridgeport on 9/13/19 of an illicit connection to their MS4 system from a coffee shop in the train station. The connection pre-dates CTDOT's ownership of the station. To address the issue CTDOT installed an ejector pump to direct flow to the sanitary sewer in the first week of October 2019. A compliance letter was received from the City of Bridgeport Health Services Department on November 7, 2019.	N/A
1213 Long Ridge Rd Stamford	02/7/2019	MS4	Unknown	Septic field leachate discharging into CTDOT's ROW	The CTDOT was notified about the issue by the City of Stamford's Office of Operations – Stormwater Management Department on 2/7/19. A private septic system extended into the CTDOT ROW without authorization and was not operating properly. The offending portions of septic system were removed from CTDOT ROW at the direction of the CTDOT staff and the City of Stamford on March 20 and June 22, 2019. At the completion of the work leachate was no longer observed discharging into CTDOT's ROW. The Department sent the property owner a resolution letter on July 3, 2019.	01/29/19 - Results from a sample indicated presence of contamination consistent with sanitary wastewater
45 Shunpike Rd, (Route 372), Cromwell	7/19/2019	MS4	Unknown	Unknown / damaged sanitary lateral	CTDOT was notified by the Cromwell Health Department on 7/19/19 of a discharge into/adjacent to the CTDOT's ROW with olfactory evidence of a sanitary sewer. On 10/28/19 and 10/29/19 the Owner's environmental consultant, in coordination with the Cromwell Health Department and CTDOT Staff conducted an investigation with test pits. No bacteria source was identified. Stormwater drainage improvements were made to limit/prevent ponding of stormwater in the area. The area was subsequently monitored by the property manager without further evidence of an issue. The CTDOT issued a resolution letter to the property owner on 12/2/2019.	At the time of the original inspection, sample results indicated low level bacteria (E Coli) concentrations

136 Berlin Rd, Cromwell	8/7/2019	MS4	Unknown	Illegal dumping of grease into storm sewer connected to CTDOT's MS4	An inspection conducted by the CTDOT's staff on 8/7/2019 documented a significant amount of grease in a catch basin (CB) on the property. The property owner at the direction of the Town of Cromwell Health Department cleaned the catch basin on 8/2/2019 to the satisfaction of the Town of Cromwell. The restaurant indicated all grease will be properly disposed of going forward. This issue is considered closed.	N/A
232 – 234 Spencer Street (Route 502) - Indigo Italian Bistro and Edi's Pizzeria, Manchester	9/6/2019	MS4	Unknown	Illegal dumping of grease into storm sewer connected to CTDOT's MS4	Manchester Health Department instructed the property owner to have the area cleaned up and to verify work when it was done. The CTDOT considers this issue closed.	N/A
Adjacent to 1465 Main Street, Coventry	4/3/2020	Surface Waterbody	Unknown	Petroleum Spill	CTDOT District Drainage Engineer discovered visual evidence of petroleum sheen in swale adjacent to State Route 31 on 4/3/2020. CTDOT contacted Town of Coventry Public Works Department which indicated a release from an above ground storage tank on 3/7/2020. DEEP and local CTDOT staff were involved in the clean up effort. This issue is considered closed.	N/A
1364 Main Street, Coventry	4/3/2020	MS4	Unknown	Illegal dumping of grease into storm sewer connected to CTDOT's MS4	CTDOT District Drainage Engineer discovered visual evidence of grease in catch basin connected to CTDOT's MS4 on 4/3/2020. CTDOT contacted Town of Coventry Public Works and WPCA to address the problem. CTDOT considers this issue closed.	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.

CTDOT receives information regarding illicit discharges from multiple sources. The public may notify CTDOT regarding potential illicit discharge by sending an email to DOTMS4@ct.gov or by calling 860-594-2000. 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. Professional staff from CTDOT MS4 Team will then reach out to the local municipality, the local health department and/or other stakeholders in an effort to coordinate research and a response. All activities and communications including corrective actions taken to eliminate illicit discharges are recorded in the CTDOT's database.

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
1213 Long Ridge Rd, Stamford, a 4" PVC drain pipe was picking up septic field leachate from a residential property and discharging into CTDOT's ROW.	Work was completed at the property in the presence of the CTDOT and City of Stamford staff. The work consisted of removing the 4" buried PVC pipe that extended from the property onto the CTDOT's ROW along State Route 104. In addition, after completion of the work, another 4" PVC pipe was identified as unauthorized discharge and removed.	Local tributary to Holts Ice Pond

3.7 IDDE reporting metrics

See Figure 1 below titled CTDOT MS4 Mapping Status, as of July 1st 2020. 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
- Purple- Municipality that is planned to be mapped in the upcoming permit term.
- White- No mapping has been performed yet.
- Numbers shown on the map reflect Department's four Maintenance Districts

CTDOT is required to map all of our 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.

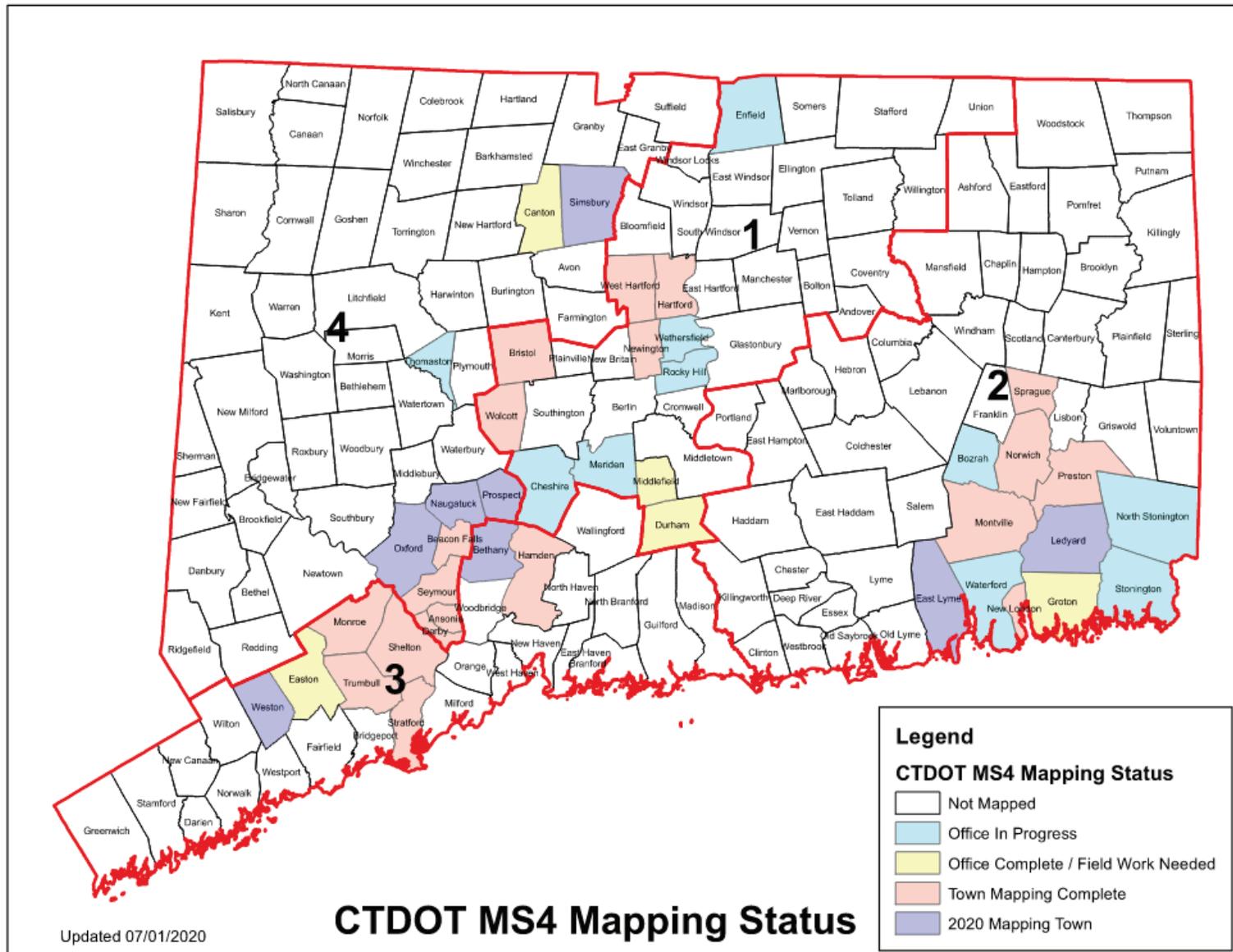


Figure 1: CTDOT MS4 Mapping Status as of July 1st, 2020

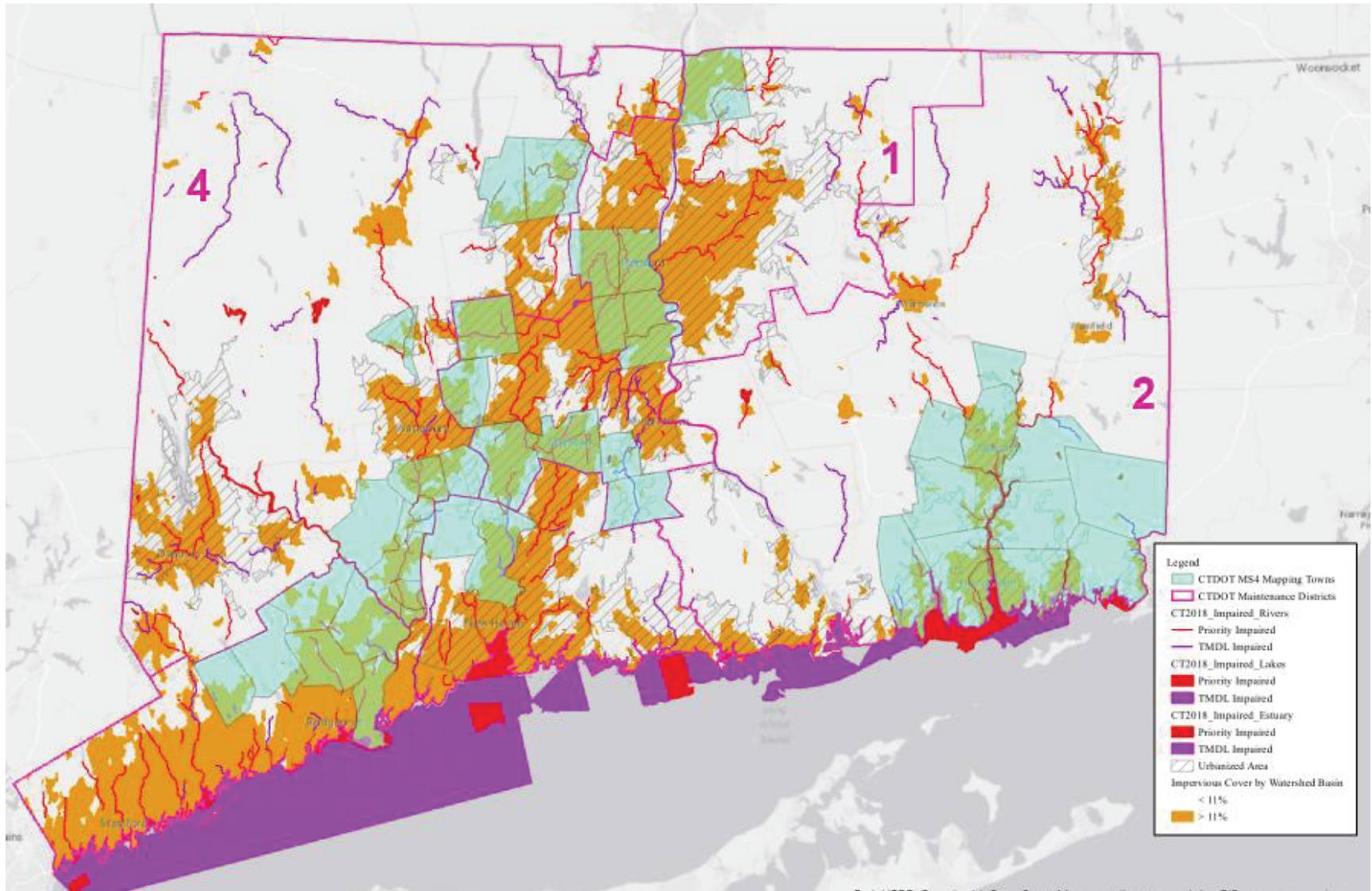


Figure 2: CTDOT MS4 Mapping and MS4 Priority Areas

Metrics

Total number of discharges from the CTDOT MS4 System (outfalls + outgoing interconnection points) mapped to date / total	3,060 mapped to date / unknown (estimate > 20,000)
MS4 outfalls (only) mapped to date / estimated total # of MS4 outfalls/estimated completion %	2,764 / Unknown / 20%
Outgoing MS4 Interconnection points mapped to date / estimated total / estimated completion %	296/ Unknown / 5%
System-wide mapping complete (detailed MS4 infrastructure)	20% for MS4 Municipalities, 15% Statewide
Number of mapped discharge points that are excluded as of 6/30/2020	1,655
High or Low Priority Outfalls that have been dry weather screened as of 6/30/2020	733
High or Low Priority Outfalls that have been wet weather sampled as of 6/30/2020	316
Number of screenings/sampling events with analytical results at or above the highest priority threshold for investigation	17
Number of catchment area investigations completed	Investigation & traffic control program in development
Percentage of Problem and High Priority MS4 catchment areas investigated	Investigation & traffic control program in development
Percentage of Low Priority MS4 catchment areas investigated	Investigation & traffic control program in development

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	205						
Number of Site Inspection Completed	450						

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	In Progress	The Engineering Administrator issued an Engineering Directive on June 24, 2019 requiring all CTDOT projects that impact drainage or drainage patterns 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 in order 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. Add info about BMP Matrix, example calcs, and examples that were developed to provide consistency between all state and consultant design forces

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 state wide	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	Implementation of the maintenance plan for ensuring the long-term effectiveness of CTDOT and privately owned stormwater management facilities in priority areas that discharge to the CTDOT's MS4 system	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	88
CTDOT MS4 worksheets submitted	41
Projects with no impacts to MS4 System	47
Final Development Plans (FDP) Submitted With Impacts to MS4 System	4 this year / 4 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)	3.44 acres disconnected this year / 3.44 acres disconnected total
DCIA disconnections completed (constructed)	N/A
Retrofits completed	Dedicated stormwater retrofit projects will not occur within this permit term
DCIA Disconnected by Percentage of Estimated DCIA Total	0.03 % this year / 0.03% total
Primary Stormwater Quality BMPs included in Final Development Plans	12 this year / 12 total
Secondary Stormwater Quality BMPs included in Final Development Plans	3 this year / 3 total
Primary Stormwater Quality BMPs Constructed this Permit Term	N/A
Secondary Stormwater Quality BMPs Constructed this Permit Term	N/A

Constructed Stormwater Quality BMPs in Department's Database	209 total (152 Primary / 57 Secondary)
Number of Department Stormwater Quality BMP's Inspected	Inspection & Maintenance Program in Development
Number of Department Stormwater Quality BMP's Maintained	Inspection & Maintenance Program in Development
Number of Private Stormwater Quality BMP's Discharging to Department's MS4	Unknown

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

In order 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	In the long term, as mapping continues, inspection and maintenance forms within a GIS database will be used to document inspection and maintenance activities on individually identified catch basins. As a result, data will be aggregated and reviewed, and hot spots and priority areas will be identified
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
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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 in order 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	4/8/2019
Department Designer Training (approximately 90 in attendance)	5/6/2019
Meeting with District Trainers on drainage maintenance (4 trainers + OEP + Env. Comp)	10/16/2019
Quarterly Meetings with District Drainage Engineers (typically 10 – 15 people)	8/7/2019, 10/15/2019, 1/7/2020
GIS / Drainage Network Map Training for rails staff and rail’s consultants (est. 20 people)	1/15/2020
District 2 Construction Winter CMP Inspector Training – 11am (est. 30 people)	1/31/2020
District 1 Construction Winter CMP Inspector Training – 2pm (est. 30 people)	2/26/2020
Street sweeping	
Curb miles swept	7,213 miles
Volume (or mass) of material collected	Unknown
Catch basin cleaning	
Total number of CTDOT owned or maintained catch basins	28,215 mapped to date / total unknown
Total number of catch basins cleaned	4,207
Total number of catch basins cleaned in MS areas	Unknown
Total number of catch basins cleaned in MS4 priority areas	Unknown
Catch basins inspected	N/A
Volume (or mass) of material removed from all catch basins	Unknown
Structure Rinsing Operations	
Total number of structures rinsed	10 Bridges
Snow management	
Number of Winter Weather Events	6 Statewide Events / 9 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	107,981 tons of Sodium Chloride 192 tons to make 144,249 gallons of salt brine 59,149 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.
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 stand alone water quality improvement retrofit projects are planned for this permit term. 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	YEAR 3 & 4
1. I-91 Hartford 2. Route 2 Glastonbury 3. Route 3 Glastonbury 4. Route 74 Vernon 5. Route 8 Torrington	6. I-95 Milford 7. Route 15 Orange 8. Route 8 Trumbull 9. Route 110 Stratford

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 in Year 1
State Route 2, Glastonbury, CT.	15-18	10
State Route 3, Glastonbury, CT.	15-18	12
State Route 8, Torrington, CT.	15-18	11
State Route 74, Vernon, CT.	15-18	10
Interstate 91, Hartford, CT.	15-18	11

There are no changes to the Automatic Sampling Program planned.

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

2.1 Screening data collected

See summary of progress above.

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

N/A

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

N/A

Part III: Additional IDDE Program Data

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

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

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 in permit year 1. CTDOT is currently evaluating methods to auto assign a category for catchments based on a spatial analysis in GIS.

Number of Catchments within Each Category Based on Mapping Completed in Permit Year 1				
Catchment Category	Excluded	Low Priority	High Priority	Problem
Number of Outfalls/Catchments in Category	1,655	1,405	TBD	17

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 108 outfalls that had dry weather flow. Of these, 37 locations discharged to an impaired waterbody but only 7 of these had known pollutants of concern. CTDOT plans to revisit the 7 locations and sample for the pollutant(s) of concern identified. Please refer to the Appendix A at the end of this report for a complete listing of the inspection results for the 108 dry weather flow locations. Overall, outfalls were dry weather screened within the following 19 municipalities: Ansonia, Beacon Falls, Bristol, Derby, Groton, Hamden, Meriden, Monroe, Newington, New London, Norwich, Seymour, Shelton, Simsbury, Stratford, Trumbull, Waterford, West Hartford and Wolcott.

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 344 outfalls in year 1 of the permit. Of these, 292 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 12 municipalities: Ansonia, Bristol, Derby, Groton, Monroe, Newington, Norwich, Seymour, Shelton, Stratford, Trumbull and

Wolcott. Refer to the Appendix B at the end of this report for a summary of the analytical data for the 292 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

N/A - CTDOT did not conduct any dry weather illicit discharge catchment investigations during this permit term.

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

3.3 Wet weather investigation outfall sampling data

CTDOT identified 8 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 8 locations are classified as problem catchments and are included in the 17 catchments identified in section 3.1 above.

Outfall ID	Sample date	Ammonia	Chlorine	Surfactants	E.Coli	Enterococci
170-SS-427	3/13/2020	0.50mg/l	0.00mg/l	0.50mg/l		620 cols/100mls
170-SS-1631	4/3/2020	0.50mg/l	0.00mg/l	0.25mg/l.	624 cols/100mls	N/A
170-SS-82	3/19/2020	0.50mg/l	0.00mg/l	0.50mg/l	627cols/100mls	N/A
170-SS-81	3/19/2020	0.50mg/l	0.00mg/l	0.25mg/l	620cols/100mls	
170-SS-32	3/13/2020	0.50mg/l	0.00mg/l	0.75mg/l		1470cols/100mls
170-SS-1613	3/13/2020	0.50mg/l	0.00mg/l	0.75mg/l		4610cols/100mls
170-SS-2014	4/20/2020	1.00mg/l	0.00mg/l	0.50mg/l		860cols/100mls
170-SS-438	3/13/2020	0.00mg/l	0.00mg/l	0.20mg/l	10 col/100mls	

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

N/A - CTDOT did not conduct any catchment investigations during this permit term.

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:



Adam Fox
2020.08.13
12:51:54-04'00'



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546



Office of the
Commissioner

An Equal Opportunity Employer

Delegation of Authority
To Sign Permit Documents
Authorized by Section 13b-17 of the
Connecticut General Statutes, As Amended

Know All Ye Persons By These Presents, That I, **Joseph J. Giulietti**, Commissioner of Transportation, as authorized by Section 13b-17 of the Connecticut General Statutes, as amended, do hereby delegate to **Adam Fox**, Transportation Principal Engineer, Department of Transportation, Bureau of Engineering and Construction, the authority to sign permit documents for the Department for the following Department of Energy & Environmental Protection permits:

- *General Permit for Miscellaneous Discharges of Sewer Compatible Wastewater*
- *General Permit for the Discharge of Stormwater Associated with Industrial Activity*
- *General Permit for the Discharge of Stormwater from Department of Transportation Separate Storm Sewer Systems*
- *General Permit for the Discharge of Groundwater Remediation Wastewater*
- *General Permit for the Discharge of Vehicle Maintenance Wastewater*
- *Emergency or Temporary Authorization to Discharge to Groundwater to Remediate Pollution*
- *In Situ Groundwater Remediation: Enhanced Aerobic Biodegradation*
- *In Situ Remediation: Chemical Oxidation*



Joseph J. Giulietti
Commissioner

Date:

2/18/2020

Appendix A

PART III

Section 2.1 Dry weather screening and 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/100mls)	Total Coliform (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-56	9/9/2019, 8:42 AM		0.5	199.1	5.9	0.25	65	20	10000		West Branch Pequonnack River	No	Unknown
170-SS-60	9/11/2019, 9:04 AM	0.5		246	1.33	0.25	68	52	10,000		Halfway River	No	Unknown
170-SS-250	9/26/2019, 11:50 AM			500	100		65				Twomile Brook	No	Unknown
170-SS-252	9/26/2019, 12:40 PM			398	100		65				Upper Derby Hill Reservoir	No	Unknown
170-SS-254	9/26/2019, 1:00 PM			254	98		69				Upper Derby Hill Reservoir	No	Unknown
170-SS-194	10/2/2019, 1:38 PM		0.1	0.55	300		80	63	2380		Burying Ground Brook	No	Unknown
170-SS-241	10/2/2019, 1:43 PM										Burying Ground Brook	No	Unknown
170-SS-1258	10/14/2019, 9:46 AM			11.85	1.92	0.25	63				Shetucket River-Code 3	No	Unknown
170-SS-1260	10/14/2019, 11:20 AM			14.22	7.3	0.25	68				Shetucket River-Code 3	No	Unknown
170-SS-1261	10/14/2019, 12:11 PM			15.85	6.91	0.25	64				Shetucket River-Code 3	No	Unknown
170-SS-1263	10/14/2019, 1:22 PM			10.92	4.98	0.25	68				Shetucket River-Code 3	No	Unknown
170-SS-1334	10/15/2019, 10:08 AM			5.64	2.77	0.25	59				Norwichtown Brook	No	Unknown
170-SS-430	10/22/2019, 11:31 AM			3.22	1.52	0.25	59				Housatonic River-Code 3	No	Unknown
170-SS-32	10/22/2019, 12:04 PM			2.09	0.95	0.25	58				Naugatuck River-Code 3	Naugatuck River -Code 3 is designated as Impaired Waterbody. Impaired Designated use: Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1613	10/25/19			2.92	1.58	0.25	62				Housatonic River-Code 3	No	Unknown

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 (col/100mls)	Enterococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-1568	10/25/2019, 4:13 PM			500	100		61				Mill Brook-Code 2	No	Unknown
170-SS-1561	11/22/2019, 8:43 AM			500	100		51				Piper Brook -Code 2	Piper Brook -Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Phosphorus, Total
170-SS-1853	11/22/2019, 8:39 AM			0.83	500		56				N/A	N/A	Unknown
170-SS-1936	11/22/2019, 9:49 AM			0.11	100		54				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1588	11/22/2019, 10:05 AM			500	100		47				Schoolhouse Brook -Code 3	No	Unknown
170-SS-1934	11/22/2019, 10:18 AM			0.27	200		51				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												Aquatic Life and Wildlife	
170-SS-1916	11/22/2019, 11:01 AM			0.53	300		56				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1817	11/22/2019, 11:37 AM			1.09	700		54				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1814	1/7/2020, 11:59 AM			0.33	200		47				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												use : Habitat for Fish, other Aquatic Life and Wildlife	
170-SS-1553	11/22/2019, 12:58 PM			500.00	100		55	10	676		Webster Brook -Code 2	No	Unknown
170-SS-1552	11/22/2019, 1:00 PM			500	100		56	10	677		Webster Brook -Code 2	No	Unknown
170-SS-1848	11/26/2019, 8:19 AM			0.25	200		51				Booth Hill Brook-Code 3	No	Unknown
170-SS-2082	11/26/2019, 9:28 AM			0.46	300		52				Belden Brook - Code 2	No	Unknown
170-SS-1961	11/26/2019, 10:05 AM			0.31	200		53				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1929	11/26/2019, 10:54 AM			0.63	400		53				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-1930	11/26/2019, 11:24 AM			0.26	200		57				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2001	12/6/2019, 10:33 AM			2.73	1.25		49				Bennetts Cove- Code 3	No	Unknown
170-SS-2000	12/6/2019, 10:54 AM			3.33	1.55		44				Bennetts Cove- Code 3	No	Unknown
170-SS-2076	1/7/2020, 7:55 AM										Booth Hill Brook-Code 3	No	Unknown
170-SS-1854	1/7/2020, 8:44 AM			0.39	300		46				Pequonnock River-Code 2	Pequonnock River -Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-36	1/7/2020, 9:19 AM			0.81	700		42				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												Fish, other Aquatic Life and Wildlife	
170-SS-1763	1/7/2020, 10:05 AM			0.28	200		42				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1762	1/7/2020, 10:31 AM			0.24	200		45				Pequonnock River-Code 3	Pequonnock River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-1995	1/30/2020, 9:59 AM			244	100		35				Birge Pond Brook -Code 2	No	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-2131	3/12/2020, 9:25 AM			3.63	1.71	0.15	46				Naugatuck River-Code 3	Naugatuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2437	4/1/2020, 7:41 AM			0.26	200		47				Negro Brook - Code 2	No	Unknown
170-SS-2471	4/1/2020, 9:24 AM			0.26	200		52				Ferry Creek- Code 2	No	Unknown
170-SS-2469	4/2/2020, 9:27 AM										Ferry Creek- Code 2	No	Unknown
170-SS-2612	4/9/2020, 9:07 AM			438	218	0.2	52				Quinnipiac River-Code 3	Quinnipiac River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2610	4/9/2020, 9:21 AM			464	153	0.3	52				Quinnipiac River-Code 3	Quinnipiac River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-2593	4/23/2020, 11:43 AM										Davis Clay Pit Pond-Code 3	No	Unknown
170-SS-2535	4/23/2020, 1:01 PM			298	133	0.3	51				Mill River-Code 2	No	Unknown
170-SS-2548	4/23/2020, 1:22 PM			462	216	0.25	49				Mill River-Code 3	t Mill River - Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2589	4/23/2018, 1:30 PM			156	72.6	0.25	46				Mill River-Code 3	Mill River - Code 3 is desigraded as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2541	4/23/2020, 1:35 PM			683	322	0.35	46				Mill River - Code 2	No	Unknown
170-SS-2987	5/5/2020, 10:39 AM	1		152	225	0.25	51				Shepard Brook-Code 2	No	Unknown
170-SS-2581	5/7/2020, 1:51 PM			486	278	0.2	65				Mill River - Code 2(hamden)	Mill River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Marine Fish, other Aquatic Life and Wildlife	Fecial Coliform Dissolved Oxygen Enterococcus

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 (col/100mls)	Enterococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												. Recreation and Commercial Shellfish Harvesting where authorized	
170-SS-2620	5/7/2020, 2:20 PM			852	430	0.15	66				Lake Whitney -Code 3	No	Unknown
170-SS-2578	5/18/2020, 7:33 AM			0.29	100	0.7	55	10	1170		Hop Brook- Code 2	No	Unknown
170-SS-2580	5/18/2020, 8:51 AM			0.54	300		55				Stratton Brook- Code 2	No	Unknown
170-SS-2638	5/18/2020, 9:07 AM			0.29	100		58				Nod Brook- Code 2	No	Unknown
170-SS-2617	5/18/2020, 10:39 AM			0.21	100		60				Saxton Brook- Code 2	No	Unknown
170-SS-2555	5/18/2020, 11:10 AM			0.27	100		57				Farmington River-Code 3	No	Unknown
170-SS-2637	5/19/2020, 7:35 AM			0.38	200		53				Farmington River-Code 3	No	Unknown
170-SS-2643	5/19/2020, 8:43 AM			0.52	300		57				Minister Brook- Code 2	No	Unknown
170-SS-755	6/8/2020, 7:51 AM			0.21	100	0.7	65	75	15500		Jordan Brook- Code 2	No	Unknown
170-SS-2929	6/9/2020, 10:48 AM	0.2	0.2	0.28	100	0.1	72				Dye House Pond-Code 3	No	Unknown
170-SS-2421	6/10/2020, 8:45 AM			4.32	2300		68				Thames River- Code3 (New London)	Thames River -new London is designated as Impaired Waterbody . Impaired Designated use :	Dissolved Oxygen And Estuarine Bioassessments

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												Habitat for Marine Fish, other Aquatic Life and Wildlife	
170-SS-2423	6/10/2020, 10:48 AM			0.41	200		67				Fenger Brook-Code 2	No	Unknown
170-SS-2677	7/9/2020, 8:21 AM			483	2.36		72				N/A	N/A	Unknown
170-SS-52	9/9/2019, 10:43 AM	1		15.55	7.7	1.5	69	20	909		Weat Branch Pequonnock River	No	Unknown
170-SS-158	9/25/2019, 11:43 AM			0.28	200		66				Dye House Pond-Code 3	No	Unknown
170-SS-163	9/25/2019, 1:29 PM			0.3	200		71				Housatonic River-Code 3	No	Unknown
170-SS-281	9/26/2019, 9:39 AM			0.36	200		67				Indian Hole Brook-Code 2	No	Unknown
170-SS-196	9/30/2019, 12:16 PM		0.2	0.99	500		71	20	10000		Farmill River	No	Unknown
170-SS-1251	10/8/2019, 12:34 PM			3.11	20.2	0.25	63				Shetucket River-Code 3	No	Unknown
170-SS-945	10/22/2019, 5:08 PM			0.26	200		59				Little River-Code 3	No	Unknown
170-SS-987	10/22/2019, 2:01 PM				65		58				Bladens River-Code 2	No	Unknown
170-SS-1610	10/25/2019, 11:21 AM		0.2	0.42	300		60	20	5790		Naugatuck River-Code 3	Naugatuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-1875	1/28/2020, 10:25 AM			478	100		43				Copper Mine Brook-Code 2	No	Unknown
170-SS-1949	1/29/2020, 9:34 AM			500	100		45				Birge pond brook -Code 2	No	Unknown
170-SS-1997	1/28/2020, 1:00 PM			500	100		44				Grannis Brook -Code 2	No	Unknown
170-SS-1932	1/28/2020, 3:30 PM			381	100		41				Pequabuck River-Code3	Pequabuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Zinc
170-SS-1896	1/29/2020, 3:35 PM			396	100	0.25	43				Pequabuck River-Code3	Pequabuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Zinc
170-SS-1944	1/30/2020, 12:09 PM			500	100		42				South Mountain Brook-Code 2	No	Unknown
170-SS-1924	1/30/2020, 12:45 PM			500	100		43				Pequabuck River-Code2	Pequabuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for	Phosphorus, Total

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												Fish, other Aquatic Life and Wildlife	
170-SS-1869	1/30/2020, 3:02 PM	0.25		500	100	0.75	43	20	496		Pequabuck River-Code3	Pequabuck River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Zinc
170-SS-1983	2/4/2020, 9:07 AM			424	100		43				Polkville Ave Brook-Code 2	No	Unknown
170-SS-1982	2/4/2020, 9:36 AM			275	100		42				Polkville Ave Brook-Code 2	No	Unknown
170-SS-2083	2/4/2020, 10:27 AM			212	96		42				Negro Hill Brook -Code 2	No	Unknown
170-SS-2109	3/12/2020, 8:09 AM			276	1.2						Hemp Swamp Brook-Code 2	No	Unknown
170-SS-2126	3/12/2020, 10:36 AM	0.5		70.2	0.47	0.25	43				Naugatuck River	Naugatuck River -Code 3 is designated as Impaired Waterbody . Impaired designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-2375	3/12/2020, 10:59 AM			500	100	0.5	47		404		Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2372	3/12/2020, 11:19 AM			90	40	0.5	45		41		Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2377	3/12/2020, 12:28 PM			500	100		45				Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2433	3/12/2020, 1:19 PM			500	100	0.5	46		41		Old Tannery Brook	No	Unknown
170-SS-2429	3/16/2020, 11:19 AM			500	100		44				Hitchcock Lake-Code 3	No	Unknown
170-SS-2430	3/18/2020, 11:00 AM			440	100		43				Wrobel Pond-Code 3	No	Unknown
170-SS-2367	3/16/2020, 2:00 PM			250	100		46				Ferry Creek - Code 3	No	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-2381	3/17/2020, 10:00 AM			500		0.5	43	228	985		Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2369	3/17/2020, 12:30 PM			500	100	1	47	379	1,210		Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2376	3/17/2020, 1:23 PM	1		500	100	1	44	31	1,410		Mad River-Code 2	Mad River - Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2378	3/17/2020, 2:10 PM			140	70		45				Old Tannery Brook-Code3	No	Unknown
170-SS-2489	4/8/2020, 8:30 AM			70	30		50				Quinnipiac River-Code 3	Quinnipiac River -Code 3 is designated as Impaired Waterbody . Impaired Designated	Unknown

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
												use : Habitat for Fish, other Aquatic Life and Wildlife	
170-SS-2483	4/8/2020, 11:15 AM			360	150		51				Quinnipiac River-Code 3	Quinnipiac River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
170-SS-2994	5/5/2020, 1:04 PM			470	210		52				Harbor Brook-Code 2	No	Unknown
170-SS-2995	5/5/2020, 2:06 PM			530	260		51				Meetinghouse Brook-Code 2	No	Unknown
170-SS-3006	5/7/2020, 12:48 PM			470	210		56				Sodom Brook-Code 2	No	Unknown
170-SS-3010	5/7/2020, 1:22 PM			390	200		55				Quinnipiac River-Code 3	Quinnipiac River -Code 3 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown
	5/7/2020, 3:24 PM			240	110		54						

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 (col/100mls)	Enterrococci (cols/100mls)	Waterbody name	Impaired water	Pollutant of concern
170-SS-2905	6/5/2020, 2:35 PM			670	280	0.5	67				South Branch Trout Brook - Code 2	No	Unknown
170-SS-2848	6/10/2020, 1:23 PM	0.25		670	290		61				Steinman Pond-Code 3	No	Unknown
170-SS-2971	6/10/2020, 3:05 PM	6		1590	70	3	64	4880	24,200		South Branch Park River-Code 2	South Branch Park River -Code 2 is designated as Impaired Waterbody . Impaired Designated use : Habitat for Fish, other Aquatic Life and Wildlife	Unknown

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/100mls)	Total Coliform (col/100mls)	Enterrococci (cols/100mls)
170-SS-40 2020-04-10	4/10/2020, 12:34 PM			468	249	0.3	53	10	882	
170-SS-874 2019-09-10	4/10/2020, 2:27 PM		0.2	567	252	0.5	55	10	1,900	
170-SS-1221 2020-03-20	3/20/2020, 10:15 AM	1		13.47	6.65	0.45	48			9
170-SS-1220 2020-03-30	3/30/2020, 9:36 AM			3.74	1.72	0.3	49			20
170-SS-1224 2020-03-20	3/20/2020, 10:31 AM			3.26	1.49	0.35	50			10
170-SS-1226 2020-03-19	3/19/2020, 11:26 AM			9.18	7	0.35	45			728
170-SS-1227 2020-03-19	3/19/2020, 10:46 AM			10.18	4.62	0.5	47			20
170-SS-1228 2020-03-19	3/19/2020, 10:30 AM			8.04	3.58	0.3	45			988
170-SS-1239 2020-03-19	3/19/2020, 11:56 AM			4.07	1.85	0.5	47			880
170-SS-1238 2020-03-30	3/30/2020, 11:35 AM		0.2	3.28	1.5	0.25	48			63
170-SS-1223 2019-10-07	3/30/2019, 12:03 PM		0.5	8.01	3.81	0.35	49			9
170-SS-1222 2020-03-30	3/30/2020, 10:01 AM			6.58	3.08	0.4	49			10
170-SS-1269 2020-03-20	3/20/2020, 9:14 AM			12.71	6.15	0.25	46			52

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1268 2020-03-30	3/30/2020, 10:48 AM		0.3	5.4	2.55	0.4	49			41
170-SS-1255 2020-03-19	3/19/2020, 9:49 AM			7.96	3.57	0.2	43			
170-SS-18 2020-03-13	3/13/2020, 9:35 AM			228	101.7	0.3	44			317
170-SS-31 2020-03-13	3/13/2020, 9:34 AM			295	135	0.3	50			880
170-SS-22 2020-03-13	3/13/2020, 9:33 AM			955	361	0.35	53			323
170-SS-432 2020-03-13	3/13/2020, 9:55 AM			1,721.00	808	0.25	56			780
170-SS-431 2020-03-13	3/13/2020, 10:22 AM			993	464	0.3	51			1,180
170-SS-24 2020-04-10	4/10/2020, 10:08 AM		0.2	182.4	90.3	0.4	48			10
170-SS-400 2020-04-10	4/10/2020, 11:07 AM			41.5	70.7	0.5	53			10
170-SS-500 2020-04-13	4/13/2020, 11:15 AM			750	375	1	54			317
170-SS-2070 2020-04-13	4/13/2020, 10:56 AM			765	338	0.4	54			231
170-SS-2073 2020-03-17	3/17/2020, 12:52 PM			1,950.00	923	0.4	48			10
170-SS-2071	3/17/2020, 12:00 AM			384	186	0.31	49			341

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-2072 2020-03-17	3/17/2020, 11:26 AM			695	331	0.3	47			31
170-SS-1909 2020-04-13	4/13/2020, 10:05 AM			903	407	0.4	54			97
170-SS-754 2020-04-13	4/13/2020, 10:24 AM			470	329	1	54			20
170-SS-1965 2019-11-22	3/17/2020, 9:09 AM			281	133	0.75	49			85
170-SS-1928 2020-03-17	3/17/2020, 10:37 AM			519	240	0.3	44			794
170-SS-1926 2020-03-17	3/17/2020, 10:24 AM			915	426	0.3	44			504
170-SS-1626 2019-11-22	4/13/2019, 10:07 AM			554	226	1.5	54			85
170-SS-1941 2020-03-31	3/31/2020, 10:24 AM			252	125	0.4	47			41
170-SS-1627 2020-04-13	4/13/2020, 12:14 PM			342	165	0.5	53			384
170-SS-707 2020-04-13	4/13/2020, 12:25 PM			420	196	0.5	56			142
170-SS-751 2020-03-31	3/31/2020, 10:49 AM			375	170	0.35	47			10
170-SS-1624 2020-04-13	4/13/2020, 1:01 PM			1,750.00	808	0.5	55			10
170-SS-1959 2020-04-14	4/14/2020, 10:26 AM		0.5	615	295	0.35	53			10

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1969 2020-04-14	4/14/2020, 11:09 AM			607	296	0.3	51			10
170-SS-2026 2020-03-17	3/17/2020, 11:05 AM			982	421	0.4	44			203
170-SS-1970 2020-04-14	4/14/2020, 11:35 AM		0.5	202	832	0.25	52			10
170-SS-1991 2020-04-14	4/14/2020, 12:01 PM			876	370	0.5	57			10
170-SS-1989 2020-04-14	4/14/2020, 12:18 PM		0.5	272	148	0.45	57			75
170-SS-2022 2020-03-17	3/17/2020, 11:31 AM			588	171	0.28	45			158
170-SS-2006 2020-03-31	3/31/2020, 11:54 AM		0.5	1,582.00	778	0.25	55			10
170-SS-2005 2020-03-17	3/17/2020, 8:37 AM			900	410	0.5	45			1,400
170-SS-2004 2020-03-31	3/31/2020, 9:34 AM		1	291	133	0.45	56			31
170-SS-2003 2020-03-31	3/31/2020, 12:28 PM		0.2	312	148	0.3	55			10
170-SS-748 2020-03-17	3/17/2020, 2:12 PM			502	242	0.5	48			41
170-SS-1612 2020-03-13	3/13/2020, 8:21 AM			96	4.3	1.5	43			
170-SS-1613 2020-03-13	3/13/2020, 8:55 AM	0.5		63.1	30	0.75	48			4,610

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-427 2020-03-13	3/13/2020, 9:26 AM	0.5		81	37	0.5	50			620
170-SS-1215 2020-03-13	3/13/2020, 9:45 AM			110	50		46			
170-SS-1217 2020-03-13	3/13/2020, 9:49 AM			100	30		47			
170-SS-32 2020-03-13	3/13/2020, 9:59 AM	0.5		787	364	0.75	52			1,470
170-SS-163 2020-03-13	3/13/2020, 10:37 AM			0.05			53			
170-SS-162 2020-03-13	3/13/2020, 10:38 AM			0.03			52			
170-SS-430 2020-03-13	3/13/2020, 10:29 AM			876	410	0.5	54			173
170-SS-1564 2020-03-13	3/13/2020, 10:42 AM			130	60		48			
170-SS-1525 2020-03-13	3/13/2020, 11:17 AM			370	100		48			
170-SS-196 2020-03-13	3/13/2020, 11:34 AM			0.08			53			
170-SS-1588 2020-03-13	3/13/2020, 11:33 AM			110	50		49			
170-SS-437 2020-03-13	3/13/2020, 12:08 PM			0.41	300		53			
170-SS-1553 2020-03-13	3/13/2020, 12:24 PM			340	100		50			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-438 2020-03-13	3/13/2020, 12:41 PM			0.25	200	0.2	54	10	1,790	
170-SS-2089 2020-03-13	3/13/2020, 12:48 PM	0.25		500	100	0.5	50	52	2,010	
170-SS-461 2020-03-13	3/13/2020, 1:14 PM			0.19	100		54			
170-SS-1519 2020-03-13	3/13/2020, 1:57 PM			130	50		50			
170-SS-1560 2020-03-13	3/13/2020, 2:04 PM			280	100		51			
170-SS-488 2020-03-17	3/17/2020, 8:13 AM			0.08	100		44			
170-SS-920 2020-03-17	3/17/2020, 9:57 AM			0.2	100	0.3	45	151		
170-SS-936 2020-03-17	3/17/2020, 11:06 AM			0.13	100		49			
170-SS-1851 2020-03-19	3/19/2020, 7:13 AM			0.03		0.2	45	1,046		
170-SS-963 2020-03-19	3/19/2020, 7:19 AM			0.03		0.1	45	51		
170-SS-1853 2020-03-19	3/19/2020, 7:44 AM			0.03			44			
170-SS-1934 2020-03-19	3/19/2020, 8:10 AM			0.03			45			
170-SS-922 2020-03-19	3/19/2020, 8:32 AM			0.02			46			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-54 2020-03-19	3/19/2020, 8:36 AM			54	2.2	0.25	51	10	1,790	
170-SS-1854 2020-03-19	3/19/2020, 8:52 AM			0.18	100		44			
170-SS-1601 2020-03-19	3/19/2020, 9:11 AM			0.06			46			
170-SS-56 2020-03-19	3/19/2020, 9:07 AM			67.6	4.3	0.25	50	199	4,110	
170-SS-1902 2020-03-19	3/19/2020, 9:08 AM			0.07		0.1	44	547		
170-SS-33 2020-03-19	3/19/2020, 9:32 AM	0.5		582	3	0.5	52	85	4,350	
170-SS-939 2020-03-19	3/19/2020, 9:53 AM			0.1		0.2	47	290		
170-SS-1916 2020-03-19	3/19/2020, 9:40 AM			0.24	200		45			
170-SS-1915 2020-03-19	3/19/2020, 9:52 AM			0.45			45			
170-SS-82 2020-03-19	3/19/2020, 10:16 AM	0.5		408	203	0.5	51	627	24,000	
170-SS-81 2020-03-19	3/19/2020, 10:26 AM	0.5		387	175	0.25	51	620	9,210	
170-SS-1936 2020-03-19	3/19/2020, 10:25 AM			0.14	100		46			
170-SS-41 2020-03-20	3/20/2020, 8:50 AM			229	110	3	51	5,170	24,000	

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-39 2020-03-20	3/20/2020, 9:00 AM			188	86	0.75	52	168	11,200	
170-SS-43 2020-03-20	3/20/2020, 9:21 AM	0.5		430	205	0.25	53	10	767	
170-SS-73 2020-03-20	3/20/2020, 9:54 AM			245	110	0.25	55	10	216	
170-SS-67 2020-03-20	3/20/2020, 10:16 AM	0.5		388	188	0.25	54	10	1,500	
170-SS-48 2020-03-30	3/30/2020, 8:45 AM	0.5		285	130	0.25	47	52	1,020	
170-SS-55 2020-03-30	3/30/2020, 9:21 AM			313	130	0.25	50	86	2,220	
170-SS-34 2020-03-30	3/30/2020, 9:48 AM			604	270	0.25	51	10	98	
170-SS-38 2020-03-30	3/30/2020, 10:33 AM			232	107	0.5	52	10	288	
170-SS-76 2020-03-30	3/30/2020, 10:56 AM			459	206	0.25	53	10	85	
170-SS-150 2020-04-03	4/3/2020, 7:44 AM			0.55	300		50			
170-SS-1817 2020-04-03	4/3/2020, 7:36 AM			0.5	400		48			
170-SS-152 2020-04-03	4/3/2020, 9:05 AM			0.9		0.2	50			13,800
170-SS-1961 2020-04-03	4/3/2020, 8:31 AM			0.29	200		49			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1930 2020-04-03	4/3/2020, 9:03 AM			0.4	300		49			
170-SS-1929 2020-04-03	4/3/2020, 9:20 AM			0.29	200	0.2	48	118	15,500	
170-SS-1049 2020-04-03	4/3/2020, 8:45 AM	3		500	100	0.25	48		399	
170-SS-1631 2020-04-03	4/3/2020, 9:30 AM	0.5		200	80	0.25	46	624	6,870	
170-SS-36 2020-04-03	4/3/2020, 10:08 AM			0.61	400		48			
170-SS-1054 2020-04-03	4/3/2020, 10:00 AM			130			47			
170-SS-140 2020-04-03	4/3/2020, 10:44 AM			0.47	200		50			
170-SS-1903 2020-04-03	4/3/2020, 10:35 AM			0.14	100		48			
170-SS-142 2020-04-03	4/3/2020, 10:55 AM			0.12	100	0.2	50			3,450
170-SS-2078 2020-04-03	4/3/2020, 10:52 AM	0.2		0.07		0.1	48	1,530	24,200	
170-SS-1044 2020-04-03	4/3/2020, 10:45 AM			210	90		47			
170-SS-1045 2020-04-03	4/3/2020, 11:00 AM			140	70		45			
170-SS-1764 2020-04-03	4/3/2020, 11:00 AM			0.06		0.1	49	1,550	24,199	

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-141 2020-04-03	4/3/2020, 11:22 AM	0.1		0.09		0.3	50			119
170-SS-1549 2020-04-03	4/3/2020, 11:27 AM			330	100		47			
170-SS-1763 2020-04-03	4/3/2020, 11:27 AM			0.18			50			
170-SS-1561 2020-04-03	4/3/2020, 12:05 PM			500	100		47			
170-SS-1428	4/3/2020, 12:45 PM			170	80		48			
170-SS-1429 2020-04-03	4/3/2020, 1:10 PM			150	70		48			
170-SS-1582 2020-04-03	4/3/2020, 1:45 PM			260	100		49			
170-SS-1557 2020-04-09	4/9/2020, 9:36 AM	3		220	100		49	131	7,270	
170-SS-1848 2020-04-09	4/9/2020, 9:50 AM			0.25	100		52			
170-SS-160 2020-04-09	4/9/2020, 10:19 AM			0.23	100		53			
170-SS-164 2020-04-09	4/9/2020, 10:39 AM	0.8		0.18	100		51	10	2,190	
170-SS-1693 2020-04-09	4/9/2020, 10:30 AM			0.27	100		51			
170-SS-1216 2020-04-09	4/9/2020, 10:30 AM			500	100		50			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1558 2020-04-09	4/9/2020, 1:01 PM			209	70		50			
170-SS-1940 2020-04-09	4/9/2020, 10:51 AM	0.5		0.17	100	0.2	52	402	24,200	
170-SS-1939 2020-04-09	4/9/2020, 10:58 AM	0.4		0.15	100		52	6,130	24,200	
170-SS-1218 2020-04-09	4/9/2020, 10:45 AM			440	100		49			
170-SS-1568 2020-04-09	4/9/2020, 11:05 AM			340	100		50			
170-SS-167 2020-04-09	4/9/2020, 11:17 AM			0.24	200		51			
170-SS-1566 2020-04-09	4/9/2020, 11:15 AM			340	100		50			
170-SS-1523 2020-04-09	4/9/2020, 11:14 AM			122	61		50			
170-SS-1567 2020-04-09	4/9/2020, 11:30 AM				100		48			
170-SS-1938 2020-04-09	4/9/2020, 11:32 AM			0.34	200		53			
170-SS-168 2020-04-09	4/9/2020, 11:43 AM			0.47	100	0.4	51	5,790	19,900	
170-SS-1524 2020-04-09	4/9/2020, 11:39 AM			500	100		49			
170-SS-1521 2020-04-09	4/9/2020, 11:58 AM			310	100		49			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1061 2020-04-09	4/9/2020, 12:00 PM			120	60		51			
170-SS-1062 2020-04-09	4/9/2020, 12:10 PM			220	80		51			
170-SS-1910 2020-04-09	4/9/2020, 11:58 AM			0.09			52			
170-SS-1522 2020-04-09	4/9/2020, 12:11 PM			84	40		49			
170-SS-1060 2020-04-09	4/9/2020, 12:30 PM			170	80		50			
170-SS-1059 2020-04-09	4/9/2020, 12:40 PM			140	70		50			
170-SS-281 2020-04-09	4/9/2020, 12:59 PM			0.3	200	0.4	53	275	14,100	
170-SS-1520 2020-04-09	4/9/2020, 12:28 PM			113	51		50			
170-SS-2082 2020-04-09	4/9/2020, 12:32 PM			0.14	100		51			
170-SS-1563 2020-04-09	4/9/2020, 1:03 PM			275	100		49			
170-SS-1569 2020-04-09	4/9/2020, 1:19 PM			492	100		53			
170-SS-1571 2020-04-09	4/9/2020, 1:34 PM			116	54		51			
170-SS-1565 2020-04-09	4/9/2020, 1:40 PM			100	50		51			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1041 2020-04-09	4/9/2020, 2:15 PM			50			50			
170-SS-174 2020-04-13	4/13/2020, 7:16 AM			0.04			55			
170-SS-1598 2020-04-13	4/13/2020, 6:30 AM			80	30		53			
170-SS-1843 2020-04-13	4/13/2020, 7:20 AM			0.04			55			
170-SS-279 2020-04-13	4/13/2020, 7:52 AM			0.04		0.7	55	538	24200	
170-SS-2076 2020-04-13	4/13/2020, 7:50 AM			0.03			54			
170-SS-1552 2020-04-13	4/13/2020, 6:30 AM			100	60		54			
170-SS-63 2020-04-13	4/13/2020, 7:30 AM			235	720	0.25	63	10	24000	
170-SS-1846 2020-04-13	4/13/2020, 8:19 AM			0.05			54			
170-SS-166 2020-04-13	4/13/2020, 8:56 AM		0.1	0.33		0.4	57	41	3450	
170-SS-255 2020-04-13	4/13/2020, 8:49 AM			46	20		54			
170-SS-61 2020-04-13	4/13/2020, 8:45 AM			217	135	0.3	63	52	7270	
170-SS-1814 2020-04-13	4/13/2020, 9:08 AM	0.2		0.06			58	74	19,900	

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1001 2020-04-13	4/13/2020, 9:00 AM			40			54			
170-SS-315 2020-04-13	4/13/2020, 9:17 AM			29	13		56			
170-SS-1002 2020-04-13	4/13/2020, 9:15 AM			150	10		53			
170-SS-403 2020-04-13	4/13/2020, 9:42 AM	0.2		0.03		0.4	60	63	9800	
170-SS-1762 2020-04-13	4/13/2020, 9:33 AM			0.04		0.1	55	1330	24,200	
170-SS-42 2020-04-13	4/13/2020, 9:23 AM			186	279	0.35	63	408	9,210	
170-SS-1761 2020-04-13	4/13/2020, 9:42 AM			0.35			56			
170-SS-1050 2020-04-13	4/13/2020, 10:02 AM			30	10		52			
170-SS-252 2020-04-13	4/13/2020, 10:00 AM			40			54			
170-SS-1051 2020-04-13	4/13/2020, 10:11 AM			35	10		58			
170-SS-251 2020-04-13	4/13/2020, 10:30 AM			50			53			
170-SS-184 2020-04-13	4/13/2020, 10:32 AM			0.04		1.2	59	30	24200	
170-SS-74 2018-04-13	4/13/2018, 10:13 AM	0.5		104.1	82.1	0.25	61	246	24,000	

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-398 2020-04-13	4/13/2020, 10:45 AM			40			55			
170-SS-1052 2020-04-13	4/13/2020, 10:27 AM	0.25		128	48		58			
170-SS-1608 2020-04-13	4/13/2020, 10:47 AM			0.07			55			
170-SS-396 2020-04-13	4/13/2020, 10:50 AM			50			55			
170-SS-399 2020-04-13	4/13/2020, 10:56 AM			30			56			
170-SS-72 2020-04-13	4/13/2020, 10:45 AM			6.37	2.36		62			
170-SS-183 2020-04-13	4/13/2020, 11:25 AM			0.04		0.7	58	4110	24200	
170-SS-1607 2020-04-13	4/13/2020, 10:58 AM		0.2	0.05			56	350	19900	
170-SS-71 2020-04-13	4/13/2020, 11:06 AM			6.46	2.78		64			
170-SS-68 2020-04-13	4/13/2020, 11:25 AM			4.22	2.62		62			
170-SS-1605 2020-04-13	4/13/2020, 11:31 AM			0.01			58			
170-SS-58 2020-04-13	4/13/2020, 11:43 AM			6.48	2.97		68			
170-SS-57 2018-04-13	4/13/2020, 12:08 PM			5.56	1.27		65			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-797 2020-04-13	4/13/2020, 12:23 PM			4.34	2.56		62			
170-SS-75 2020-04-13	4/13/2020, 12:42 PM			3.98	5.1		62			
170-SS-949 2020-04-16	4/16/2020, 8:34 AM			275	148		42			
170-SS-254 2020-04-16	4/16/2020, 9:20 AM			307	100		50			
170-SS-402 2020-04-21	4/21/2020, 1:44 PM	0.4		0.18	100	0.2	54	10	17300	
170-SS-301 2020-04-21	4/21/2020, 2:27 PM			0.11	100	0.2	53	960	4,880	
170-SS-2490 2020-04-21	4/21/2020, 2:50 PM			450	210		48			
170-SS-806 2020-04-21	4/21/2020, 3:44 PM			0.02			50			
170-SS-2373 2020-04-21	4/21/2020, 3:43 PM			110	40	0.25	47			
170-SS-2377 2020-04-21	4/21/2020, 4:00 PM			60	20		46			
170-SS-2378 2020-04-21	4/21/2020, 4:30 PM			50	20		46			
170-SS-955 2020-04-24	4/24/2020, 7:24 AM			0.17	100	0.7	50	10	4350	
170-SS-945 2020-04-24	4/24/2020, 7:54 AM			0.19	100	0.5	47	231	4110	

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 (col/100mls)	Enterococci (cols/100mls)
170-SS-944 2020-04-24	4/24/2020, 8:24 AM			0.12	100		47			
170-SS-457 2020-04-24	4/24/2020, 10:41 AM	0.2		0.05		0.2	49	213	8660	
170-SS-994 2020-04-24	4/24/2020, 10:43 AM			0.06			47			
170-SS-30 2020-04-24	4/24/2020, 10:57 AM			225	662	2				959
170-SS-29 2020-04-24	4/24/2020, 11:07 AM			81.8	35.7	1.5	49			216
170-SS-990 2020-04-24	4/24/2020, 11:09 AM			0.07		0.2	47	131	14100	
170-SS-28 2020-04-24	4/24/2020, 11:15 AM			90.6	42.4	2	45			1520
170-SS-27 2020-04-24	4/24/2020, 11:21 AM			119	54.7	3	46			1270
170-SS-179	4/24/2020, 11:35 AM	0.1		0.05		0.7	48	2380	15500	
170-SS-26 2020-04-24	4/24/2020, 11:29 AM			61.2	28.2	3	46			627
170-SS-25 2020-04-24	4/24/2020, 11:36 AM			116.9	54.5	3	45			1080
170-SS-429 2020-04-24	4/24/2020, 12:04 PM			97.9	45.2	1	46			187
170-SS-987	4/24/2020, 11:59 AM			0.05			48			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-984	4/24/2020, 12:16 PM			0.19	100		47			
170-SS-273 2020-04-24	4/24/2020, 12:31 PM			84.2	34	1	46			8160
170-SS-871 2020-04-24	4/24/2020, 12:57 PM			0.09	100	0.5	49			10
170-SS-157	4/24/2020, 2:11 PM	0.1		0.02		0.8	48			
170-SS-2020 2020-04-27	4/27/2020, 11:14 AM			412	237	0.45	49			10
170-SS-2012 2020-04-27	4/27/2020, 11:39 AM		0.2	572	257	0.25	49			10
170-SS-2000 2020-04-27	4/27/2020, 12:06 PM		0.1	368	171	0.25	49			120
170-SS-1901 2020-04-27	4/27/2020, 12:27 PM			348	173	0.5	50			10
170-SS-1977 2020-04-27	4/27/2020, 12:50 PM			293	129	0.3	50			10
170-SS-2434	4/30/2020, 7:12 AM		0.1	0.2	100	0.5	51			6490
170-SS-2436	4/30/2020, 7:35 AM			0.05		0.3	48			670
170-SS-2437	4/30/2020, 8:08 AM			0.13	100	0.2	49			613
170-SS-159	4/30/2020, 8:19 AM	0.1		0.12	100	0.3	51			2280

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-2439	4/30/2020, 8:31 AM			0.03			49			
170-SS-2440	4/30/2020, 8:56 AM			0.02			49			
170-SS-144	4/30/2020, 9:14 AM			0.03			50			
170-SS-2469	4/30/2020, 9:28 AM			0.06		0.3	49	563	24200	
170-SS-143	4/30/2020, 10:02 AM			0.03			50			
170-SS-2074 2020-04-30	4/30/2020, 10:05 AM			45.7	707	0.35	47			316
170-SS-2016 2020-04-30	4/30/2020, 10:30 AM			40.3	17.84	0.25	46			3260
170-SS-2471	4/30/2020, 10:23 AM	0.2		0.07		0.3	50	17300	24200	
170-SS-2014 2020-04-30	4/30/2020, 10:40 AM	1		42.8	19.9	0.5	46			860
170-SS-2009 2020-04-30	4/30/2020, 10:54 AM			75.6	707	0.4	46			187
170-SS-2435	4/30/2020, 11:00 AM	0.2		0.12	100	0.1	51			556
170-SS-396 2020-04-30	4/30/2020, 10:55 AM			95	69		49			
170-SS-2002 2020-04-30	4/30/2020, 11:07 AM			46.9	22	0.5	46			262

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-2001 2020-04-30	4/30/2020, 11:16 AM			49.6	21.8	0.5	47			135
170-SS-642 2020-04-30	4/30/2020, 11:35 AM			41.6	19.1	0.4	47			388
170-SS-253 2020-04-30	4/30/2020, 12:05 PM			84	49	94	49			
170-SS-965 2020-04-30	4/30/2020, 12:24 PM			51	31		49			
170-SS-970 2020-04-30	4/30/2020, 1:12 PM			174	78		51			
170-SS-250 2020-04-30	4/30/2020, 1:32 PM			182	97		51			
170-SS-2367 2020-04-30	4/30/2020, 3:03 PM			220	110		50			
170-SS-2419 2020-04-30	4/30/2020, 3:30 PM			90	40		50			
170-SS-2430 2020-04-30	4/30/2020, 4:20 PM			360	200	2	48			
170-SS-1895 2020-05-01	5/1/2020, 10:41 AM		0.2	111.9	59.2	0.3	57			422
170-SS-1917 2020-05-01	5/1/2020, 11:31 AM			262	119	0.45	60			246
170-SS-2083 2020-05-01	5/1/2020, 10:30 AM			140	70		53			
170-SS-641 2020-05-01	5/1/2020, 12:06 PM			59.8	32.2	0.3	62			185

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-1983 2020-05-01	5/1/2020, 11:30 AM			70	30		54			
170-SS-1949 2020-05-01	5/1/2020, 12:15 PM			490	200		54			
170-SS-1258 2020-05-15	5/15/2020, 9:14 AM			544	266	1	60			331
170-SS-1257 2020-05-15	5/15/2020, 9:44 AM		0.3	147.1	71.3	0.35	59			5170
170-SS-1256 2020-05-15	5/15/2020, 9:52 AM		0.2	133.5	60.4	0.25	60			292
170-SS-1259 2020-05-15	5/15/2020, 10:18 AM		0.2	321	149	0.25	58			52
170-SS-1260 2020-05-15	5/15/2020, 10:27 AM			118.5	55.4	0.25	59			213
170-SS-1261 2020-05-15	5/15/2020, 10:38 AM		0.5	116	53.3	0.3	59			933
170-SS-1262 2020-05-15	5/15/2020, 10:53 AM		0.2	129.9	59.5	0.35	65			63
170-SS-2368 2020-06-11	6/11/2020, 1:55 PM	0.25		560	70		63			
170-SS-2370	6/11/2020, 2:24 PM			330	80		66			
170-SS-2366 2020-06-11	6/11/2020, 3:50 PM			30			70			
170-SS-2446	6/11/2020, 2:45 PM	0.2		13.08	7500	0.6	72	288	24200	

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-2429 2020-06-11	6/11/2020, 3:13 PM			130	60		62			
170-SS-2431 2020-06-11	6/11/2020, 3:37 PM			90	10.00		67			
170-SS-151	6/11/2020, 3:45 PM	1.8		0.45	200	1	71	1130	24200	
170-SS-1932 2020-06-11	6/11/2020, 4:36 PM			60			71			
170-SS-1860 2020-06-11	6/11/2020, 4:59 PM			60			71			
170-SS-1858 2020-06-11	6/11/2020, 5:11 PM			40			72			
170-SS-3378 2020-04-21	4/21/2020, 12:00 AM			190	90		47			
170-SS-1875 2020-06-27	6/27/2020, 2:35 PM	6		480	270	6	74			
170-SS-1876 2020-06-27	6/27/2020, 3:21 PM	3		130	50	0.25	71			
170-SS-1867 2020-06-27	6/27/2020, 3:50 PM			90	20		73			
170-SS-1866 2020-06-27	6/27/2020, 4:39 PM	0.5		40	10	0.5	73			
170-SS-1864 2020-06-27	6/27/2020, 5:51 PM	1		90	40		70			
170-SS-2085 2020-05-01	5/1/2020, 12:00 PM			80	40		54			

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 (col/100mls)	Enterrococci (cols/100mls)
170-SS-3516 2020-06-27	6/27/2020, 2:45 PM	6		320	150	3	75			
170-SS-3589	6/11/2020, 12:00 AM			0.25	98	0.4	73	4880		
170-SS-3590 2020-06-11	6/11/2020, 12:00 AM	0.2		13.08	7500	0.6	72	288		
170-SS-750 2020-03-31	3/31/2020, 4:41 PM									10
170-SS-3619 2020-06-11	6/11/2020, 4:36 PM			61			71			
170-SS-2020 04-14	4/14/2020, 12:45 PM			412	237	0.45	49			

