# Town of Essex, Connecticut
# 2023 Annual Report

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

## Permit Number GSM 00019

# MS4 General Permit
# Town of Essex 2023 Annual Report
## Permit Number GSM 000019
## January 1, 2023 – December 31, 2023
## Primary MS4 Contact:
## Lisa Fasulo, MPH, REHS/RS, Director of Health / Sanitarian, 860-767-4340 x 118, Lfasulo@essexct.gov

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

**Part I: Summary of Minimum Control Measure Activities**

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

**1.1 BMP Summary**

| BMP | Activities in current reporting period | Sources Used (if applicable) | Method of Distribution | Audience (and number of people reached) | Measurable Goal | Department / Person Responsible | Additional details |
|---|---|---|---|---|---|---|---|
| 1-1 Implement public education and outreach | 2023 Monthly Facebook Recycling and Environmental postings. Published on social media and town website a reminder about car washing activities, animal waste clean-up and proper removal and disposal of leaves and other vegetation and to prevent debris from entering the MS4. Link to information on free compost collection at the Essex Landfill station. | Facebook page and Town website. | Facebook Page and Town website. | Facebook posts have reached over 200 people per post. | Impacts to stormwater from web-based personal waste / recycling programs, animal waste clean-up and car washing activities. | Administrative Assistant to the Selectman: Alyson Finnegan / Health Department: Lisa Fasulo | |

| BMP | Activities in current reporting period | Sources Used (if applicable) | Method of Distribution | Audience (and number of people reached) | Measurable Goal | Department / Person Responsible | Additional details |
|---|---|---|---|---|---|---|---|
| 1-1(2) | Stormwater News Article in Essex News. | Town-wide email submittal. | Essex News subscribers and Town Website | Over 1,476 email addresses were sent with a 62.5% "open" rate (922 people). | Webpage "Open" rate of 62.5% | Administrative Assistant to the Selectman: Alyson Finnegan / Health Department: Lisa Fasulo | |
| 1-1(3) | Updated Stormwater Brochure | Outside Essex Town Hall Voting Booth area on November 8, 2023 | Brochure handouts | Approximately 20 citizens picked up the brochure and asked questions. | Approximately 20 citizens picked up the brochure and asked questions. | Health Department: Lisa Fasulo | |
| 1-2 Address education/ outreach for pollutants of concern | Town of Essex Community Resiliency Building Workshop. | Town of Essex embarked on a certification via Sustainable CT. As part of that certification, Sustainable CT and the Nature Conservancy provided the Town with a voluntary process to conduct an assessment of Climate Change impacts. In August 2019, a municipal-based core team organized a Community Reliance Building Workshop facilitated by the Nature Conservancy in Partnership with Sustainable CT. | Town Meetings and Email Correspondence | Town Members | On-Going | Town Members | |

| BMP | Activities in current reporting period | Sources Used (if applicable) | Method of Distribution | Audience (and number of people reached) | Measurable Goal | Department / Person Responsible | Additional details |
|---|---|---|---|---|---|---|---|
| 1-3 Car and Truck Washing Events | Published Car and Truck washing prohibited on impervious surfaces. | Posted vehicle washing recommendations on town web site and Facebook page. Residents should avoid having car washes on impervious surfaces. | Essex News subscribers and Town Website | The Town continues to educate residents to wash their cars and boats on grassy or crushed stone areas. | On-Going | Administrative Assistant to the Selectman: Alyson Finnegan / Town Members | |
| 1-4 Pet Wastes (Pick Up) | Published pet waste removal from Public Areas (i.e. Parks) | Posted signage in parks and public areas and on town web site and Facebook page. Residents request to pick up after your pet. | Facebook posts on *People of Essex, CT* page documents the ongoing dialog and conversation about pet waste. | The Town provides pet-waste bags in municipal-owned parks and continues to educate residents about picking up after pets. | On-Going | Town Members | |
| 1-5 Address education/ outreach for pollutants of concern* | Due to the continued Covid-19 precautionary behaviors, which include limited public contact in buildings, schools, town fairs and events, minimal public outreach occurred in 2023. | N/A | N/A | N/A | N/A | N/A | |
| | | | | | | | |

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

Continued support of Sustainable CT and the Stormwater MS4 Working Group.
Continued Facebook posts regarding material recycling and MS4 Issues.
Continue Town Web Page regarding MS4 Activities.
Continue Quarterly MS4 Committee Meetings
Continue to pursue other public activities and groups to participate in MS-4 activities.

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

### 2.1 BMP Summary

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Location Posted | Additional details |
|---|---|---|---|---|---|---|---|
| 2-1 Final Stormwater Management Plan publicly available | On-Going | Publicly available SWMP. | Final SWMP. | Town of Essex | Completed on March 23, 2017 | Town Hall and Town Website http://essexct.gov/ | Review SMP Annually by Feb 15 |
| 2-2 Comply with public notice requirements for Annual Reports (annually by 2/15) | On-Going | Public Notice available | 45-day Public Notice | Town of Essex | | Hartford Courant | |
| 2-3 Town of Essex Stormwater (MS4) Working Group | Quarterly Meetings | Committee Members Identified | Provide forum to coordinate SWMP implementation across departments and commissions | Town Planner: John Guszkowski DPH: Lisa Fasulo Town Engineer: Robert Doane | On-Going | Email Solicitations | Reason for addition: Committee will represent town departments & commissions with stake in stormwater management. |
| 2-4 Town of Essex Stormwater (MS4) Working Group | Quarterly Meetings Minutes | Committee Members | Minutes are posted on Town Web page and available to the public. | Administrative Assistant to the Selectman: Alyson Finnegan | After every quarterly meeting. | Town Hall and Town Website http://essexct.gov/ | |

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

Hold quarterly stormwater committee meetings to review SMP implementation progress.
Provide availability of the Stormwater Management Plan to public.
Provide availability of Annual Report and comments announced to public.

## 3. Illicit Discharge Detection and Elimination (Section 6(*a*)(3) and Appendix B / page 22)

### 3.1 BMP Summary

| **BMP** | **Status** (Complete, Ongoing, In Progress, or Not started) | **Activities in current reporting period** | **Measurable Goal** | **Department / Person Responsible** | **Date completed or projected completion date** (include the start date for anything that is 'in progress') | **Additional details** |
|---|---|---|---|---|---|---|
| 3-1 Develop written IDDE program (Due 7/1/19) | Completed | Town completing the written IDDE program using the CT IDDE program template | Written Plan Prepared | Essex DPW: Ryan Welch Essex Health Dept: Lisa Fasulo | Jul 1, 2018 | |
| 3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas (Due 7/1/20) | 100% Complete | Editing and finalizing the remaining interconnections and CBs. | 100% Complete | MapGEO Essex DPW: Ryan Welch Health Dept: Lisa Fasulo | August 2020 | |
| 3-3 Implement citizen reporting program (Ongoing) | On-Going | Designed a public comment / reporting on MS4 webpage. | 100% Complete | MapGEO Essex DPW: Ryan Welch Health Dept: Lisa Fasulo Administrative Assistant to the Selectman: Alyson Finnegan | March 2020 | There are multiple ways in which citizens can report any concerns, including IDDE, to the Town Authorities. (1) Citizens can report directly to the Essex Health Dept by phone, email or in person at the Health Dept Office. (2) There have been a few instances where citizens called the Selectman's office or Land Use Office who then referred the caller to the Health Dept. (3) Alternately, citizens can go to the Town of Essex website and under the Quick Links tab, select REPORT A CONCERN https://www.essexct.gov/home/webforms/report-a-concern |
| 3-4 Establish legal authority to prohibit illicit discharges (Due 7/1/19) | Completed | Completed | Written ordinance | Town Officials | February 2019 | |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 3-5 Develop record keeping system for IDDE tracking (Due 7/1/17) | Completed | Prepared dry and wet inspection sheets and MS4 documentation. | Completion | Essex DPW: Ryan Welch Health Dept: Lisa Fasulo | March 2022 | |
| 3-6 Address IDDE in areas with pollutants of concern | On-Going | Completed final 1/2 of outfall dry inspections. | Completed dry inspections | MapGEO Essex DPW: Ryan Welch | March 2023 | |

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

The written IDDE Plan / program will be posted to the Town of Essex webpage and a link listed in 2021 Annual Report; will update the written IDDE program as needed throughout the permit term.

Illicit discharges are called into the town. Town assistant records call and the town public works department is sent in to investigate. Maintain master IDDE tracking spreadsheet and ensure all employees involved in IDDE program understand the logging process and can log in future IDDE reports.

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

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

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

| **Method used to track illicit discharge reports** | **Location and nature of structure with failing septic systems** | **Actions taken to respond to and address the failures** | **Impacted waterbody or watershed, if known** | **Dept. / Person responsible** |
|---|---|---|---|---|
| The Health Dept uses a permit tracking system to document failures and all corrective actions as required by CT Public Health Code Section 19-13-B103a and 19-13-B104. | 17 Dickinson Lane Failure – During yard re-grade | Repair septic system | None | Health Dept: Lisa Fasulo |
| | 9 Harbor View | Failure - dbox & distribution pipe | None | Health Dept: Lisa Fasulo |
| | 7 Hudson Lane | Failure - breakout on lawn | Possible MS4 impacted waterbody | Health Dept: Lisa Fasulo |
| | 56 West Hills Road | Failure - dbox & sewer pipe | None | Health Dept: Lisa Fasulo |
| | 17 North Main Street SX | Failure - dbox | None | Health Dept: Lisa Fasulo |
| | 26 Parker Terrace | Failure - broken tank | None | Health Dept: Lisa Fasulo |
| | 1 Bundy Hill Road | Failure - broken sewer pipe & dbox | None | Health Dept: Lisa Fasulo |
| | 147 Main Street - Ivoryton | Failure - cracked tank. | None | Health Dept: Lisa Fasulo |
| | 57 Main Street – Ivoryton | Failure - broken tank & dbox | None | Health Dept: Lisa Fasulo |
| | 48 Lynn Road | Failure - broken dbox | None | Health Dept: Lisa Fasulo |
| | 45 Westbrook Road | Failure - breakout on lawn | Possible impacted MS4 waterbody | Health Dept: Lisa Fasulo |
| | 13 Highland Terrace | Failure - broken tank | None | Health Dept: Lisa Fasulo |
| | 3 Nutmeg Lane | Failure - dbox & distribution pipe | None | Health Dept: Lisa Fasulo |
| | 19 West Hills Road | Failure - cracked tank. | None | Health Dept: Lisa Fasulo |
| | 21 Harbor View S | Failure – leaking tank. | None | Health Dept: Lisa Fasulo |

| Method used to track illicit discharge reports | Location and nature of structure with failing septic systems | Actions taken to respond to and address the failures | Impacted waterbody or watershed, if known | Dept. / Person responsible |
|---|---|---|---|---|
| Septic Repair and Minor Modifications | 42 Prospect Street | home renov & addition | None | Health Dept: Lisa Fasulo |
| | 31 Old Deep River Road | home renov & additional apartment | None | Health Dept: Lisa Fasulo |
| | 6 Hickory Lane | deck addition | None | Health Dept: Lisa Fasulo |
| | 6 Bank Lane | home renov & addition | None | Health Dept: Lisa Fasulo |
| | 68 Comstock Avenue | very old septic system; update to current Code | None | Health Dept: Lisa Fasulo |
| | 54 Main Street SX | Replace Cast Iron Sewer pipe with PVC per Code | None | Health Dept: Lisa Fasulo |
| | 7 Clark Lane | home renov & addition | None | Health Dept: Lisa Fasulo |
| | 67 Main Street CTBK | Replace 2 undersized tanks with 1 new larger tank | None | Health Dept: Lisa Fasulo |
| | 16 Grove Street | Replace dbox & PVC distribution pipe for future ADU | None | Health Dept: Lisa Fasulo |
| | 12 Maple Avenue | Property Tsfr - install new system to meet Code | None | Health Dept: Lisa Fasulo |
| | 26 Harbor View | Property Tsfr - install new septic tank to meet Code | None | Health Dept: Lisa Fasulo |
| | 18 Hemlock Drive | Relocate sewer line to accommodate new pool | None | Health Dept: Lisa Fasulo |
| | 5 Main Street CTBK | Reconfigure grease tank & PVC to meet Code | None | Health Dept: Lisa Fasulo |
| | 91 Pond Meadow Road | home renov & addition | None | Health Dept: Lisa Fasulo |
| | 14 Comstock Avenue | very old septic system; update to current Code | None | Health Dept: Lisa Fasulo |
| | 5 Book Hill Road | home renov, addition & new ADU | None | Health Dept: Lisa Fasulo |
| New Construction & Major Modifications | 79 North Main Street - Ivoryton | New construction | None | Health Dept: Lisa Fasulo |
| | 13 Dogwood Drive | Home expansion & complete renovation | None | Health Dept: Lisa Fasulo |
| | 42 South Main Street | Home expansion & complete renovation | None | Health Dept: Lisa Fasulo |
| | 43 Bokum Road | New construction | None | Health Dept: Lisa Fasulo |
| | 6 Budney Hill Road | New construction | None | Health Dept: Lisa Fasulo |
| | 83 Westbrook Road | New construction | None | Health Dept: Lisa Fasulo |

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

The Health Dept uses a permit tracking system to document failures and all corrective actions as required by CT Public Health Code Section 19-13-B103a and 19-13-B104. This system has successfully implemented and tracked the required repairs or modifications to septic system issues for the town.

**3.6 IDDE reporting metrics**

| **Metrics** | |
|---|---|
| Estimated or actual number of MS4 outfalls | 207 |
| Estimated or actual number of interconnections | 18 |
| Outfall mapping complete | 100% |
| Interconnection mapping complete | 100% |
| System-wide mapping complete (detailed MS4 infrastructure) | 100% |
| Outfall assessment and priority ranking | 100% |
| Dry weather screening of all High and Low priority outfalls complete | 25 |
| Catchment investigations complete | 400 |
| Estimated percentage of MS4 catchment area investigated | 75% |

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

Two Public Works employees are trained to recognize IDDE issues including IDDE identification, potential catchment basin and outfall repairs and sediment loading. These employees perform CB and Outfall inspections throughout the town. IDDE Training is given annually by the Town Garage (Public Works) Director and the environmental consultant.

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

### 4.1 BMP Summary

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 4-1 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit (Due 7/1/20) | Ongoing | Specific LID Requirements | | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch<br>Essex Health Department – Lisa Fasulo | July 1, 2019 | |
| 4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval (Ongoing) | Ongoing | Stormwater MS4 Working Group | | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch<br>Essex Health Department – Lisa Fasulo | Completed and Ongoing | |
| 4-3 Review site plans for stormwater quality concerns (Ongoing) | Ongoing | Stormwater MS4 Working Group | | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch<br>Essex Health Department – Lisa Fasulo | Ongoing | |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 4-4 Conduct site inspections (Ongoing) | Ongoing | • Inspect Heron Pond (SW detention)<br><br>• Inspect 36 Pratt Street (oil/water separator)<br><br>• Inspect Stonebrook Drive stormwater recharge system<br><br>• 43 Bokum Road a 8.9 acre construction project will erect 28,000 sq ft and 24,480 sq ft commercial building and associated site work within 100 feet of a wetlands and with both temporary and permanent impacts to a wetlands. | Inspections Completed | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch<br>Essex Health Dept. – Lisa Fasulo | Ongoing | Heron Pond clean out on 12/19/23.<br><br>36 Pratt Street Oil/water Separator – Inspection on 07/18/23.<br><br>Stonebrook Drive recharge inspection on 11/21/23.<br><br>57 Main Street Ivoryton (building renovation adjacent to Falls River) – inspect E&S controls frequently; at least after a significant rainfall event.<br><br>4 Essex Glen (ongoing large site development project) – inspect E&S controls & detention pond frequently; at least after a significant rainfall event.<br><br>43 Bokum Road - inspect E&S controls frequently; at least after a significant rainfall event. |
| 4-5 Implement procedure to allow public comment on site development (Ongoing) | Ongoing | Stormwater MS4 Working Group | | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch<br>Essex Health Dept. – Lisa Fasulo | Ongoing | |
| 4-6 Implement procedure to notify developers about DEEP construction stormwater permit (Ongoing) | Ongoing | Section 82 of the Zoning Regulations | Land Use Regulation Completed | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane | Ongoing | |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 4-7 Develop stormwater compliance checklist | In progress | Developing checklist to provide developers on stormwater management compliance requirements | LID checklist (attached) | Land Use Office – Carey Duques | Jul 1, 2018 | The existing Zoning and Inland Wetlands Regulations are routinely enforced by Town staff for all approved Wetlands and P & Z applications that are under construction. |
| 4-8 New Developments That Have Been Reviewed for MS4 / E&S Control Plans. | In progress | Provide developers information on stormwater management compliance requirements:<br>6 Budney Hill Road – New Single Family Home<br>11 Earl Street (Centerbrook) - New Single Family Home. E&S- silt fence; proposed an infiltrator and yard drain.<br>43 Bokum Road - Retaining wall and Building 1- 28,770 Sq ft building as shown on approved plans. E&S- silt fence; retention basins/stormwater wetlands being created; hydrodynamic separators to be installed.<br>8 Heron Pond Road - New Single Family Home. E&S- silt fence.<br>54 Main Street - Renovations to existing boathouse and landscaping. June 2023 completed.<br>46 Main Street - Demo of an existing garage and addition of sunroom.<br>130 Mares Hill Road - New Single Family Home. E&S- silt fence.<br>13 Novelty Lane - Removal of pavement and replacement with sod; creation of pervious driveway for access to boat slips. E&S- silt fence. | Standardize Plan Review | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane | Ongoing<br>10/25/23<br>01/23/23<br>03/20/23<br>10/05/23<br>05/09/23<br>Under Review<br>Under Review<br>Under Review | Reason for addition: Make it easier to ensure compliance with stormwater regulations |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 20 River Road - Dredging existing pond, renovating house including raising the structure, inground pool construction. E&S- silt fence; pond dredged for more capacity. | | | 04/01/22 | |
| | | River Road Sidewalk Project - Construct new sidewalk along River Road from Falls Rover bridge to Heritage Cove. E&S- silt fence hay bales; installation of CBs with deep sumps. | | | Under Review | |
| | | 42 South Main Street - Addition to existing single-family home. E&S- silt fence; roof drains existing to the lawn. | | | 01/30/24 | |
| | | 83 Westbrook Road - 10,000 sq ft athletic facility. E&S- silt fence; bioretention basin proposed to handle roof drains. | | | 03/14/23 | |

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

Continue to inspect and perform maintenance on Town-owned stormwater features such as detention ponds, oil/water separators and infiltration galleries. The Town of Essex Land Use Office and Engineering Department require any new proposed Site Plans to comply with the Planning and Zoning LID regulation requirements. The Town of Essex Land Use Department Officer, or his designee, inspects all construction sites a minimum of once a week or as necessary.

The Town of Essex Land Use and Town Engineer require any new proposed Site Plans to comply with the current CTDEEP Erosion and Sediment Control and LID regulation requirements.

Integrate stormwater compliance checklist into review process completed.

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

### 5.1 BMP Summary

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 5-1 Establish and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning (Due 7/1/22) | Ongoing | Article IV Section 608 Drainage and Stormwater Control regulations | Written Zoning Regulations - Completed | Land Use Office – Carey Duques | Ongoing – Beginning date July 1, 2021 | |
| 5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects (Due 7/1/22) | Ongoing | Article IV Section 608 Drainage and Stormwater Control regulations | Written Zoning Regulations - Completed | Land Use Office – Carey Duques | Ongoing – Beginning date July 1, 2019 | |
| 5-3 Identify retention and detention ponds in priority areas (Due 7/1/20) | Ongoing | Heron Pond (stormwater detention pond)<br><br>36 Pratt Street Oil/water separator<br><br>Stone Brook Drive Recharge/Infiltration Gallery. | Annual and Semi-annual Maintenance activities | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch | Ongoing beginning Jul 1, 2019 | Heron Pond (stormwater detention pond) clean out on 12/19/23.<br><br>36 Pratt Street Oil/water Separator – Inspection on 07/18/23.<br><br>Stonebrook Drive recharge inspection 11/21/23. |
| 5-4 Implement long-term maintenance plan for stormwater basins and treatment structures (Ongoing) | Ongoing | Heron Pond (stormwater detention pond)<br><br>36 Pratt Street Oil/water separator<br><br>Stone Brook Drive Recharge/Infiltration Gallery. | Annual and Semi-annual Maintenance activities | Land Use Office – Carey Duques<br>Town Engineer – Robert Doane<br>Essex DPW – Ryan Welch | Ongoing beginning Jul 1, 2019 | Heron Pond (stormwater detention pond)<br><br>36 Pratt Street Oil/water Separator<br><br>Stonebrook Drive recharge system. |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 5-5 DCIA mapping (Due 7/1/20) | Complete | DCIA Mapping and Report Completed | Town-wide DCIA estimated at 6.78% | Land Use Office – Carey Duques Town Engineer – Robert Doane AppGEO | Completed June 12, 2020 | |
| 5-6 Address post-construction issues in areas with pollutants of concern | Ongoing | None | Reduction DCIA by 2% per year. | Land Use Office – Carey Duques Town Engineer – Robert Doane AppGEO | | Current (2023) DCIA – 6.8% |

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

Six new septic systems were designed and completed for new construction in 2023. Four of these are new construction developments. The Town of Essex Land Use and Town Engineer require any new proposed Site Plans to comply with the current Stormwater Erosion and Sediment Control and LID regulation requirements.

The Town of Essex Public Works department maintains the stormwater retention ponds, oil/water separators and infiltration galleries.

### 5.3 Post-Construction Stormwater Management reporting metrics

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/post-construction.htm. Scroll down to the DCIA section.

| Metrics | |
|---|---|
| Baseline (2012) Directly Connected Impervious Area (DCIA) | 1, 507.67 acres |
| DCIA disconnected (redevelopment plus retrofits) | 0 acres this year / acres total |
| Retrofit projects completed | None |
| DCIA disconnected | 6.78% this year / % total since 2012 |
| Estimated cost of retrofits | $0 |
| Detention or retention ponds identified | Three (3) this year /# total |

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

To estimate the DCIA % for the town, the total acres of catchment areas (1,507.67 acres) and impervious cover within those catchments (250.52 acres) were used to get the towns IC% (16%). Equation 3 was used as an average for all the catchments to estimate the town's DCIA% to be **6.78%**.

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

### 6.1 BMP Summary

| **BMP** | **Status** (Complete, Ongoing, In Progress, or Not started) | **Activities in current reporting period** | **Measurable Goal** | **Department / Person Responsible** | **Date completed or projected completion date** (include the start date for anything that is 'in progress') | **Additional details** |
|---|---|---|---|---|---|---|
| 6-1 Develop/implement formal employee training program (Ongoing) | Ongoing | Perform Training Program | Annual training Performed on11/09/22. | Essex DPW – Ryan Welch | Essex DPW Ongoing | |
| 6-2 Implement MS4 property and operations maintenance (Ongoing) | Complete Heron Pond (stormwater Detention pond) 36 Pratt Street Oil/water separator Stone Brook Drive Recharge/Infiltration Gallery. | Annual and Semi-annual Maintenance Activities. | Ongoing Beginning July 1, 2018 | Land Use Office – Carey Duques Town Engineer – Robert Doane Essex DPW – Ryan Welch | Ongoing Annual Maintenance Activities | |
| 6-3 Implement coordination with interconnected MS4s | Ongoing | Wet and Dry Outfall Inspections to verify interconnected MS4s | Identify MS4s Interconnections. | Essex DPW – Ryan Welch | Ongoing | |
| 6-4 Develop/implement program to control other sources of pollutants to the MS4 | Ongoing | Industrial stormwater permit compliance at Town Garage. | Complete - Compliance with Industrial Stormwater General Permit Criteria | Essex DPW – Ryan Welch Health Dept – Lisa Fasulo | Ongoing | |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 6-5 Evaluate additional measures for discharges to impaired waters* | Ongoing | There are no impaired waterways identified for the Town of Essex | Not specified | Essex DPW – Ryan Welch Health Dept – Lisa Fasulo | Ongoing | There are no impaired waterways identified for the Town of Essex |
| 6-6 Track projects that disconnect DCIA (Ongoing) | Ongoing | Installation of (4) Drywells | | Town Engineer – Robert Doane Essex DPW – Ryan Welch AppGEO | Ongoing | |
| 6-7 Implement infrastructure repair/rehab program (Due 7/1/21) | Ongoing Catchment basin | Eighteen (18) CB were repaired during 2023. | Eighteen (18) CB were repaired during 2023. | Essex DPW – Ryan Welch | November 1, 2023. Continue inspecting and Repairing CBs in town. | |
| 6-8 Develop/implement plan to identify/prioritize retrofit projects (Due 7/1/20) | Not started yet | | | | July 1, 2020 | |
| 6-9 Implement retrofit projects to disconnect 2% of DCIA (Due 7/1/22) | Ongoing | | | | July 1, 2022 | |
| 6-10 Develop/implement street sweeping program (Ongoing) | Ongoing | Street Sweeping Report attached. | Completed 2023 Street Sweeping Program. | Essex DPW – Ryan Welch | Completed 2023 Street Sweeping Program | |

| BMP | Status (Complete, Ongoing, In Progress, or Not started) | Activities in current reporting period | Measurable Goal | Department / Person Responsible | Date completed or projected completion date (include the start date for anything that is 'in progress') | Additional details |
|---|---|---|---|---|---|---|
| 6-11 Develop/implement catch basin cleaning program (Ongoing) | Ongoing (Annual program) | 340 catch basins cleaned (out of 965 total) | 340 catch basins Cleaned in 2022. | Janet Sweeping Company | July 2023. | |
| 6-12 Develop/implement snow management practices (Due 7/1/18) | Ongoing | Snow management practices began in 2019 including snow disposal locations, reduced sand spreading operations and use of treated "brown" salt materials. | Snow Management Plan (2020) | Essex DPW – Ryan Welch | Snow Management Plan (2020) | |

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

Inventory and Map erosion areas in Town ROW to reduce the sediment that may be entering the Town MS4 system. Continue infrastructure repair and rehabilitation, street sweeping, catch basin cleaning and snow management practices. The town will continue to track illicit discharges and sanitary sewer system failures / repairs.

### 6.3 Pollution Prevention/ Good Housekeeping reporting metrics

| Metrics | |
|---|---|
| Employee training provided for key staff | (Yes) / December 19, 2023 |
| Street sweeping | |
| | |
| Curb miles swept | 84 miles |
| Volume (or mass) of material collected | 500 yards of debris collected in 2023. |
| Catch basin cleaning | |
| Total catch basins in priority areas (value will be less than or equal to total catch basins town or institution-wide) | 200 |
| Total catch basins town- (or institution-) wide | 950 |
| Catch basins inspected | 18 |

| | |
|---|---|
| Catch basins cleaned | 340 |
| Volume (or mass) of material removed from all catch basins | 500 yards |
| Volume removed from catch basins to impaired waters (if known) | NA |
| Snow management | |
| Type(s) of deicing material used | Blizzard Wizard (treated sugar cane molasses salt) and Washed winter road sand. |
| Total amount of each deicing material applied | 88 tons – Blizzard Wizard<br>264 tons – Washed winter road sand |
| Type(s) of deicing equipment used | Town-owned Spreader / Jet Sanders |
| Lane-miles treated (A lane-mile is a mile of roadway in a single driving lane) | 84 miles |
| Snow disposal location | 1. Bushnell Park Parking Lot<br>2. Comstock Field (50 Park Road) |
| Staff training provided on application methods & equipment | On the Job training |
| Municipal turf management program actions (for permittee properties in basins with N/P impairments) | |
| Reduction in application of fertilizers (since start of permit) | 100% |
| Reduction in turf area (since start of permit) | acres |
| Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems) | |
| Cost of mitigation actions/retrofits | $0 |

### 6.4 Catch basin cleaning program

| **Provide any updates or modifications to your catch basin cleaning program.** |
|---|
| The Town of Essex retains the services of Janet Sweeping Company, Meriden Connecticut. The Department of Public Works oversees the catch basin cleaning activities and attempts to complete a third of the CBs in one year (approximately 350/year). The Town of Essex completed 340 CB cleanings in 2023. |

### 6.5 Retrofit program

| **Briefly describe the Retrofit Program identification and prioritization process, the projects selected for implementation, the rationale for the selection of those projects and the total DCIA to be disconnected upon completion of each project. (Due 7/1/20)** |
|---|
| The Town of Essex will utilize the DCIA map and new zoning regulations to prioritize the Retrofit Program. Any new project that is anticipated to be undertaken will be evaluated for possible retrofit to remove impervious surfaces with low LID projects. The responsible departments will review any projects that may be used as retrofit projects.<br>Responsible Department: Engineering, Public Works<br>Administration Measurable Goal: Develop a list of possible retrofit projects. |

| **Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection annually in future years. (Due 7/1/22)** |
|---|
| The Town of Essex Planning and Engineering Departments require any new proposed Site Plans to comply with the Planning and Zoning LID regulation requirements. |

## Part II: Impaired waters investigation and monitoring

# 1. Impaired waters investigation and monitoring program

For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

**1.1 Indicate which stormwater pollutant(s) of concern occur(s) in your municipality or institution.** This data is available on the MS4 map viewer: http://s.uconn.edu/ctms4map.

Nitrogen/ Phosphorus ☐ Bacteria ☐ Mercury ☐ Other Pollutant of Concern ☐

**1.2 Describe program status**

| **Discuss 1) the status of monitoring work completed, 2) a summary of the results and any notable findings, and 3) any changes to the Stormwater Management Plan based on monitoring results.** |
|---|
| According to the MS4 map viewer described above and the CTDEEP 2020 IWQR, there are no priority impaired or TMDL Impaired waterways / waterbodies located in the Town of Essex. The Town of Essex monitors six (6) outfalls for bacteria (E. coli), Nitrogen and Phosphorus. |

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

**2.1 Screening data**

Complete the table below to report data for any wet weather sampling completed for MS4 outfalls that discharge directly to a stormwater impaired waterbody during the reporting period. For details on this requirement, visit https://nemo.uconn.edu/ms4/tasks/monitoring/. Refer to the yellow column of the Monitoring comparison chart and the Impaired waters monitoring flowchart.

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

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

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

| Pollutant of concern | Pollutant threshold |
|---|---|
| Nitrogen | Total N > 2.5 mg/l |
| Phosphorus | Total P > 0.3 mg/l |
| Bacteria (fresh waterbody) | • E. coli > 235 col/100ml for swimming areas or 410 col/100ml for all others<br>• Total Coliform > 500 col/100ml |
| Bacteria (salt waterbody) | • Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB<br>• Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others |
| Other pollutants of concern | Sample turbidity is 5 NTU > in-stream sample |

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

Provide the following information for outfalls exceeding the pollutant threshold.

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

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

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

| Outfall | Latitude / Longitude | Sample Date | Parameter(s) | Results | Name of Laboratory (if used) |
|---|---|---|---|---|---|
| Sunset Terrace | | 12/28/23 | E. Coli<br>Total Nitrogen | 579.4 MPN/100 ml<br>3.48 mg/L | Environmental Consulting Laboratories, Inc. |
| Sunset Pond | | 12/28/23 | E. Coli<br>Total Nitrogen | 613.1 MPN/100 ml<br>5.94 mg/L | Environmental Consulting Laboratories, Inc. |
| New City Street | | 12/28/23 | E. Coli<br>Total Nitrogen | 435.2 MPN/100 ml<br>2.98 mg/L | Environmental Consulting Laboratories, Inc. |
| Ivoryton Library | | 12/28/23 | E. Coli | 980.4 MPN/100 ml | Environmental Consulting Laboratories, Inc. |
| | | | | | |
| | | | | | |

**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).

| 1. Catchment ID (DEEP Basin ID) | 2. Category | 3. Rank |
|---|---|---|
| CRN-OF-0023 | Low Priority | 3 |
| CRN-OF-0009 | Low Priority | 1 |
| CRN-OF-0021 | Low Priority | 2 |

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

### 2.1 Dry weather screening and sampling data from outfalls and interconnections

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

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

| Outfall / Interconnection ID | Latitude / Longitude | Screening / sample date | Ammonia | Chlorine | Conductivity | Salinity | E. coli or enterococcus | Surfactants | Water Temp | Pollutant of concern | If required, follow-up actions taken |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

### 2.2 Wet weather sample and inspection data

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

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

| Outfall / Interconnection ID | Latitude / Longitude | Sample date | Ammonia | Chlorine | Conductivity | Salinity | E. coli or Enterococcus | Surfactants | Water Temp | Pollutant of concern |
|---|---|---|---|---|---|---|---|---|---|---|
| Sunset Terrace | | 12/28/23 | 0.36 | ND<0.02 | 126 | ND<1.00 | 579.4 | ND<0.05 | 45.1 | E. Coli and Nitrogen |
| Sunset Pond | | 12/28/23 | 0.13 | ND<0.02 | 150 | ND<1.00 | 613.1 | ND<0.05 | 44.2 | E. Coli and Nitrogen |
| Foot of Main | | 12/28/23 | 0.08 | ND<0.02 | 90.2 | ND<1.00 | 307.6 | ND<0.05 | 38.3 | |
| New City Street | | 12/28/23 | 0.08 | ND<0.02 | 89.2 | ND<1.00 | 435.2 | ND<0.05 | 48.2 | E. Coli and Nitrogen |
| Bokum Road | | 12/28/23 | 0.06 | ND<0.02 | 59.4 | ND<1.00 | 248.1 | ND<0.05 | 46.2 | |
| Ivoryton Library | | 12/28/23 | 0.07 | ND<0.02 | 81.1 | ND<1.00 | 980.4 | ND<0.05 | 47.3 | E. Coli |

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

For details on this requirement, visit https://www.nemo.uconn.edu/ms4/tasks/monitoring.htm. Refer to the green column of the Monitoring comparison chart and the IDDE catchment investigation flowchart.

### 3.1 System Vulnerability Factor Summary

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

| Outfall ID | Receiving Water | System Vulnerability Factors |
|---|---|---|
| CRN-OF-0022 | Connecticut River | MEDIUM 11,12 |
| CRN-OF-0023 | Connecticut River | MEDIUM 11,12 |
| CRN-OF-0008 | Connecticut River | NO DISCHARGE |
| CRN-OF-0003 | Connecticut River | LOW 11,12 |
| CRN-OF-0004 | Connecticut River | NO DISCHARGE |
| CRN-OF-0013 | Connecticut River | NO DISCHARGE |
| CRN-OF-0002 | Connecticut River | LOW 11,12 |
| CRN-OF-0009 | Connecticut River | MEDIUM 11,12 |
| CRN-OF-0021 | Connecticut River | HIGH; BLOCKAGE IN OUTFALL PIPE 11,12 |

Where SVFs are:

1. History of SSOs, including, but not limited to, those resulting from wet weather, high water table, or fat/oil/grease blockages.
2. Sewer pump/lift stations, siphons, or known sanitary sewer restrictions where power/equipment failures or blockages could readily result in SSOs.
3. Inadequate sanitary sewer level of service (LOS) resulting in regular surcharging, customer back-ups, or frequent customer complaints.
4. Common or twin-invert manholes serving storm and sanitary sewer alignments.
5. Common trench construction serving both storm and sanitary sewer alignments.
6. Crossings of storm and sanitary sewer alignments.
7. Sanitary sewer alignments known or suspected to have been constructed with an underdrain system.
8. Sanitary sewer infrastructure defects such as leaking service laterals, cracked, broken, or offset sanitary infrastructure, directly piped connections between storm drain and sanitary sewer infrastructure, or other vulnerability factors identified through Inflow/Infiltration Analyses, Sanitary Sewer Evaluation Surveys, or other infrastructure investigations.
9. Areas formerly served by combined sewer systems.
10. Any sanitary sewer and storm drain infrastructure greater than 40 years old in medium and densely developed areas.
11. Widespread code-required septic system upgrades required at property transfers (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).
12. History of multiple local health department or sanitarian actions addressing widespread septic system failures (indicative of inadequate soils, water table separation, or other physical constraints of the area rather than poor owner maintenance).

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

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

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

### 3.3 Wet weather follow-up investigation outfall sampling data

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

| Outfall ID | Latitude / Longitude | Sample date | Ammonia | Chlorine | Surfactants |
|---|---|---|---|---|---|
| | | | | | |

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

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

## Part IV: Certification

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

| Chief Elected Official or Principal Executive Officer | Document Prepared by |
|---|---|
| Print name:<br>Norm Needleman, First Selectman | Print name:<br>William Drouin |
| Signature / Date: | Signature / Date: |
| Email:<br>nneedleman@essexct.gov | Email:<br>wdrouin@apexcos.com |

# How to complete the MS4 Annual Report template

**General Instructions**

- Text highlighted yellow represents generic text to be updated.
- Example responses are provided in red text. Delete these if you don't use them.
- When viewing this template in Word, please click on the comment bubble icon to view the language from the permit for that requirement. For more detail on permit requirements, please see the corresponding page number in the general permit in each comment.

## Part I: Summary of Minimum Control Measure (MCM) A13ctivities

- Best Management Practice (BMP) Summary tables: Each MCM section starts with a BMP Summary table. A description of what to include in each column is below. dia

**BMP**: Self-explanatory.
**Status**: Provide status of BMP implementation (not started, ongoing, in progress, or complete).
- *In progress* means a task has been started but not yet completed.
- *Ongoing* means a task that is due each year or that is required to be maintained throughout the year (ex. Track disconnections of DCIA or Review site plans for stormwater quality concerns).

**Activities in current reporting period**: Describe ongoing and completed BMP activities. Briefly explain if you're on schedule to meet the deadline or not. If not, explain why you don't expect to meet the deadline.
**Measurable Goal**: Provide a measurable goal for the BMP.
**Dept/Person Responsible:** Identify the lead department and responsible person for that BMP. Note if it changed from the previous year. Third parties can be listed here if they are implementing the BMP. However, the permittee retains responsibility for tracking the BMP.
**Date completed / projected completion date:** Actual BMP completion date or when it's scheduled to be completed.
**Additional details:** Add any additional details including reasons for overdue BMPs, specific location of BMP if applicable, reason for adding an additional BMP.

- Other Tables: Each MCM has specific data reporting requirements. Brief descriptions and/or example responses are provided for each requirement.

## Part II: Impaired waters investigation and monitoring

- Brief instructions are provided for each reporting requirement throughout Part II.

## Part III: Additional IDDE Program Data

- Brief instructions are provided for each reporting requirement throughout Part III.

**Part IV: Certification** - Self-explanatory

**Note about 2023 Reporting – To receive credit for activities completed during the lapse in permit coverage, include those activities in this report.** DEEP has stated that for enforcement, the focus will be on any violations of the permit which existed before the original expiration date on June 30th, 2022, rather than any lapses that occurred between then and October 1st, 2023 (when the permit was reissued). However, DEEP will be providing credit for any work which was completed between the timeframe of June 30th, 2022 and October 1st, 2023.