

MS4 General Permit
 Town of Wolcott 2021 Annual Report
 Existing MS4 Permittee
 Permit Number GSM -000033
 [January 1, 2022 – December 31, 2022
]

This report documents the Town of efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2022 to December 31, 2022.

Part I: Summary of Minimum Control Measure Activities

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

1.1 BMP Summary

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Due | Date completed or projected completion date | Additional details |
|--|----------|--|-----------------------------------|-------------------------------------|-------------|---|--------------------|
| 1-1 Implement public education and outreach | On Going | Maintain SWM Information on Town's Website | Update Website | Mayor's Office/ Amy Desaulniers | Jul 1, 2018 | Held Public Meeting on SWM on June 29, 2017 | |
| 1-2 Address education/ outreach for pollutants of concern* | On Going | Maintain Brochures on SWM Practices on Town Website and at Town Hall and Library | Maintain and Distribute Brochures | Inland Wetlands Office/Dede Distiso | Jul 1, 2018 | Ongoing | |

| | | | | | | | |
|--|--------------------|---|---|---|-------|---|--|
| 1.3 Outreach to Business | <i>In Progress</i> | <i>Meeting with Economic clar</i> | Determine how to effectively Interact with ? | <i>Engineering Dept/ Mark Possidento</i> | 11/20 | Placed SWM Reduction Information on website 6/19 | |
| 1-4 Workshop for Construction Industry | <i>In Progress</i> | <i>Developing workshop materials/videos</i> | Workshop conducted for construction industry | <i>Planning and Zoning Office/ David Kalinowski</i> | 6/19 | <i>Formulating Construction and Post construction Checklist</i> | |
| 1.5 Education Town Commissions | <i>In Progress</i> | <i>Attend Commission Meetings and describe programs</i> | Commissions Visited | <i>Engr Office/ Mark Possidento</i> | 6/20 | <i>Expect to complete presentation to all commissions in 2019</i> | <i>Need to complete meetings with Commission</i> |

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

Will pursue involvement of High School students in SWM.
10/20 met with Board of Ed member. Proposing to initiate stormwater project with High School. Contacted DEEP who will provide assistance.
High School students to construct and install rain garden in parking lot of High 'school summer 2022- Covid delayed
Will attempt to work with High School to install rain garden in summer of 2023
In efforts to reduce DCIA will be working with all schools in town to implement runoff reduction alternatives.
Met with Hitchcock Lake association, will be working with association to reduce in 2023 to reduce bacteria contaminated runoff

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 | On going | SWM Public Notice | Completed plan/notice | Engr./Mark Possidento | Apr 3, 2017 | 4/17 | Held Public Hearing on June 26 ,2017 |
| 2-2 Comply with public notice requirements for Annual Reports | <i>On going</i> | <i>Annual SWM notice</i> | <i>Complete notice</i> | <i>Engr./Mark Possidento</i> | Feb 15, 2019 | 2/2019 | |
| Establish SWM Committee | <i>completed</i> | <i>Established committee/Held meeting</i> | <i>Establish committee</i> | <i>Engr./Mark Possidento</i> | 6/17 | 6/17 | <i>Meeting in fall 2022</i> |

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

Held stormwater committee meeting in fall 2020.
 Held Stormwater Committee meeting fall 2021. Members include: Mark Garragus, Inlands Wetlands Commissioner, Bill Tynan, IW, Tony Guggliotti, IW, Maurice Mcarthy, Public Works Director. Proposed to install rain gardens in parking lots of Farmingbury Golf course and parking lot for Scovill Reservoir Park
 Held Stormwater Committee meeting in fall 2022. Approved zoning/subdivision changes to incorporate LID. Established goal of inspecting all Wolcott facilities to reduce DCIA

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

3.1 BMP Summary

| BMP | Status | Activities in current reporting period | Measurable goal | Department / Person Responsible | Due | Date completed or projected completion date | Additional details |
|----------------------------------|------------------|--|---|---------------------------------|-------------|---|--------------------|
| 3-1 Develop written IDDE program | <i>completed</i> | <i>Completing written IDDE program using the CT IDDE program</i> | <i>Develop written plan of IDDE program</i> | Engr./Mark Possidento | Jul 1, 2018 | Completed 6/17 | |

| | | | | | | | |
|--|--------------------|--|---------------------------------------|---------------------------------------|---------------|---|-------------------------------------|
| | | <i>template</i> | | | | | |
| 3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas | <i>ongoing</i> | <i>Completed mapping of ¼ of Town</i> | <i>Develop complete List</i> | <i>Public Works/David Kalinowski</i> | Jul 1, 2019 | <i>Anticipate completing list by due date</i> | Completed 9/19 |
| 3-3 Implement citizen reporting program | <i>In progress</i> | <i>Working with Town to Modify website</i> | <i>Implement program</i> | <i>Mayor's Office/Amy Desaulniers</i> | Jul 1, 2017 | <i>Anticipate modified website by 6/18</i> | Completed 9/19 |
| 3-4 Establish legal authority to prohibit illicit discharges | <i>In progress</i> | <i>Developed Ordinance</i> | <i>Establish Legal Authority</i> | <i>Mayor's Office/Amy Desaulniers</i> | Jul 1, 2018 | <i>Submitting Ordinance to Town Attorney</i> | Ordinance adapted 6/19 |
| 3-5 Develop record keeping system for IDDE tracking | <i>In progress</i> | <i>Developing Tracking program</i> | <i>Establish recordkeeping system</i> | <i>Engr/Mark Possidento</i> | Jul 1, 2017 | <i>Anticipate completion by 6/18</i> | <i>No interconnections reported</i> |
| 3-6 Address IDDE in areas with pollutants of concern | <i>started</i> | <i>Inspected all catch basins and sampled all outfalls</i> | <i>Determine pollutant source</i> | <i>Engr/Mark Possidento</i> | Not specified | <i>6/21</i> | <i>No interconnections found</i> |
| | | | | | | | |

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

None Scheduled

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.

Commented [LMI]: All citizen reports and the responds to those reports shall be included in the Annual Report

The permittee shall maintain a record of illicit discharge abatement activities including, at a minimum: location (identified with an address or latitude and longitude), description, date(s) of inspection, sampling data (if applicable), action(s) taken, date of removal or repair and responsible party(ies). This information shall be included in the permittee's Annual Report (pg. 23)

| Date of Report | Location / suspected source | Response taken |
|----------------|-----------------------------|----------------|
| None (2020) | | |
| None (2021) | | |
| None (2022) | | |

3.4 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 |
|--|--|---|
| <i>Reviewing last 6 years of Septic Failures from Chesprocott Health District to determine areas of concerns</i> | | |
| Reviewed Chesprocott Information | No pattern of failures in minority areas | |
| | | |
| | | |

3.5 Briefly describe the method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

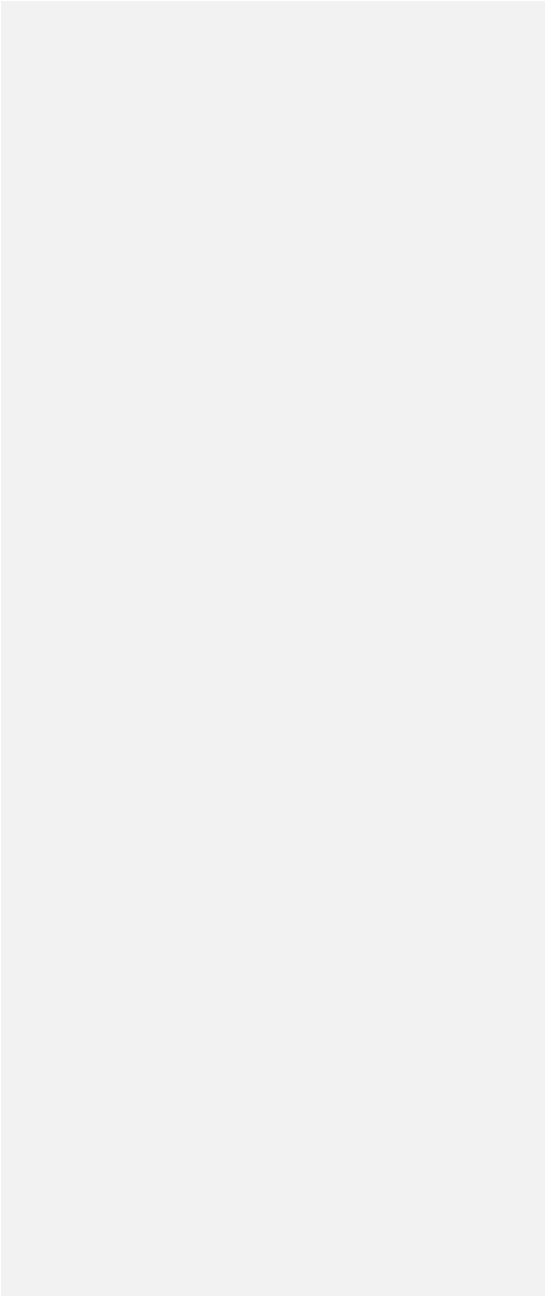
Illegal discharges has been reported in the past, which have been recorded.
 No illegal discharges have been reported or found in past 4 years

3.6 IDDE reporting metrics

| Metrics | |
|--|----------------|
| Estimated or actual number of MS4 outfalls | 250 |
| Estimated or actual number of interconnections | None found yet |
| Outfall mapping complete | (100%) |
| Interconnection mapping complete | (50%) |
| System-wide mapping complete (detailed MS4 infrastructure) | (100%) |
| Outfall assessment and priority ranking | (80%) |
| Dry weather screening of all High and Low priority outfalls complete | 100% |
| Catchment investigations complete | 2721 |
| 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 is it given (minimum once per year).

Educational Movie to Water and Sewer Staff.



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 Implement, upgrade, and enforce land use regulations or other legal authority to meet requirements of MS4 general permit | In Progress | Reviewing existing regulation | Implement | Engr Office/Mark Possidento | Jul 1, 2019 | Will complete by due date | Completed 6/19 |
| 4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval | ongoing | <i>Town already had coordinated program for interdepartmental</i> | <i>Continue interdepartmental review</i> | Engr Office/Mark Possidento | Jul 1, 2017 | <i>complete</i> | |
| 4-3 Review site plans for stormwater quality concerns | ongoing | <i>review</i> | <i>Continue interdepartmental review</i> | Engr Office/Mark Possidento | Jul 1, 2017 | <i>complete</i> | |
| 4-4 Conduct site inspections | on going | <i>review</i> | <i>Continue interdepartmental review</i> | Engr Office/Mark Possidento | Jul 1, 2017 | <i>complete</i> | |
| 4-5 Implement procedure to allow public comment on site development | on going | <i>Subdivision regs required public notice</i> | <i>Continue present procedure</i> | Planning & Zoning/David Kalinowski | Jul 1, 2017 | <i>complete</i> | |
| 4-6 Implement procedure to notify developers about DEEP construction stormwater permit | On going | <i>Subdivision regs require compliance with State Stormwater guidance</i> | <i>Continue present procedure</i> | Planning & Zoning/David Kalinowski | Jul 1, 2017 | <i>complete</i> | |
| | | | | | | | |

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

With changes in zoning and subdivisions regulations to incorporate LID will develop Construction Site runoff control checklist for review of such activities. Will modify Town of Greenwich checklist for Wolcott
 Will develop a list of contractors who work in Wolcott-Send Letter and brochure Re: SWM. **Have not completed**

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 and/or update legal authority and guidelines regarding LID and runoff reduction in site development planning | started | Have developed LID guidelines | Revised Planning and Zoning regs to incorporate LID | Eng/Mark Possidento | Jul/2021 | Submitted to zoning, anticipate approval this spring 2023 | |
| 5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects | Ongoing | Although LID regs are not finalized have been requiring developers to incorporate LID evaluation in plan | Ongoing | Eng/Mark Possidento | Jul 1, 2019 | Ongoing | |
| 5-3 Identify retention and detention ponds in priority areas | In progress | Identify and mapped 12 ponds | | Engr. Office | Jul 1, 2019 | 9/19 9/21 | |
| 5-4 Implement long-term maintenance plan for stormwater basins and treatment structures | In progress | Although there were 12 retention ponds installed, inspection reveals that all are overgrown and unusable | Require all new retention ponds to have maintenance plan and bonding to pay for maintenance | Engr. office | Jul 2021 | Engr. Office | None of the existing retention ponds had maintenance plan or bonding. Town assumes responsibility and did not provide maintenance |
| 5-5 DCIA mapping | started | Mapped all watersheds with greater than 11% impervious | | | Jul 1, 2020 | | |

| | | | | | | | |
|--|----------------|--|--|--|---------|--|--|
| 5-6 Address post-construction issues in areas with pollutants of concern | <i>ongoing</i> | | | | Ongoing | | |
| | | | | | | | |

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

Developed Post Construction Checklist from Town of Greenwich to use on all future construction projects.. New building Inspector hired. Will train for stormwater issues.

5.3 Post-Construction Stormwater Management reporting metrics

| Metrics | |
|---|--------------|
| Baseline (2012) Directly Connected Impervious Area (DCIA) | Acres (3985) |
| DCIA disconnected (redevelopment plus retrofits) | 3/3 |
| Retrofits completed | 1 |
| DCIA disconnected | 1%/1% |
| Estimated cost of retrofits | \$30000 |
| Detention or retention ponds identified | 12/12 |

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

Used DEEP baseline mapping

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/implement formal employee training program | on going | Employees are trained on regular basis | Continue training | Public Works /David Kalinowski | Jul 1, 2017 | Ongoing | |
| 6-2 Implement MS4 property and operations maintenance | In progress | Developing O&M procedures Developed O&M Procedures | O&M | <i>Public works/Maurice Mccarthy</i> | | <i>July 2022</i> | |
| 6-3 Implement coordination with interconnected MS4s | Not started | | | | Not specified | | <i>Have limited sewer areas/no interconnections identified.</i> |
| 6-4 Develop/implement program to control other sources of pollutants to the MS4 | <i>Not started</i> | | | | Not specified | | |
| 6-5 Evaluate additional measures for discharges to impaired waters* | <i>In progress</i> | <i>Inspect all catch basins for cross connections</i> | | <i>Engr/Mark Possidento</i> | | <i>July/2021</i> | |
| 6-6 Track projects that disconnect DCIA | <i>ongoing</i> | | | | Jul 1, 2017 | | |

| | | | | | | | |
|---|--------------------|--|---|--------------------------|-------------|---|---|
| 6-7 Implement infrastructure repair/rehab program | <i>Not started</i> | | | | Jul 1, 2021 | | |
| 6-8 Develop/implement plan to identify/prioritize retrofit projects | <i>Ongoing</i> | <i>Initial plan to evaluate all public facilities for potential DCIA reduction</i> | <i>2% reduction</i> | <i>Engr/Public Works</i> | Jul 1, 2020 | <i>Will complete 2023</i> | |
| 6-9 Implement retrofit projects to disconnect 2% of DCIA | <i>Ongoing</i> | <i>Retrofitted Golf course parking lot with raingarden</i> | <i>Will evaluate all public properties for DCIA reduction</i> | <i>Engr/public works</i> | Jul 1, 2022 | <i>Will complete evaluation of public properties by July 2023</i> | <i>Retrofitted Farmingbury Hills Golf course parking lot.</i> |
| 6-10 Develop/implement street sweeping program | <i>Ongoing</i> | <i>Public Works has developed and implement program</i> | <i>Implement Program</i> | <i>Public Works</i> | Jul 1, 2017 | <i>Established Program 6/19</i> | |
| 6-11 Develop/implement catch basin cleaning program | <i>ongoing</i> | <i>Public Works has developed and implement program</i> | <i>Implement Program</i> | <i>Public Works</i> | Jul 1, 2020 | <i>Established Program 6/19</i> | |
| 6-12 Develop/implement snow management practices | <i>onging</i> | <i>Public Works has developed and implement program</i> | <i>Implement Program</i> | <i>Public Works</i> | Jul 1, 2018 | <i>Established Program 6/19</i> | |
| | | | | | - | | |

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

We are using the already prepared snowplowing route system for street sweeping and catch basin cleaning. Will double street sweeping in priority areas (Hitchcock Lake and Lily Brook areas)

6.3 Pollution Prevention/ Good Housekeeping reporting metrics

| Metrics | |
|--|---------------------------------|
| Employee training provided for key staff | yes |
| Street sweeping | 3/20/22 to 5/31/22 |
| Curb miles swept | 110 miles |
| Volume (or mass) of material collected | 13 tons |
| Catch basin cleaning | |
| Total catch basins in priority areas | # 52 |
| Total catch basins in MS4 | #2721 |
| Catch basins inspected | # 2721 |
| Catch basins cleaned | # 56 |
| Volume (or mass) of material removed from all catch basins | tons 6 |
| Volume removed from catch basins to impaired waters (if known) | n/a |
| Snow management | |
| Type(s) of deicing material used | Salt-Ultra melt liquid |
| Total amount of each deicing material applied | 2000 ton /20,000 gal per year |
| Type(s) of deicing equipment used | Sprayers/sanders |
| Lane-miles treated | 216 miles |
| Snow disposal location | n/a |
| Staff training provided on application methods & equipment | (y) (12-20-2022) |
| Municipal turf management program actions (for permittee properties in basins with N/P impairments) | Working w/ Hitchcock Lake Assoc |
| Reduction in application of fertilizers (since start of permit) | unknown |
| Reduction in turf area (since start of permit) | unknown |
| Lands with high potential to contribute bacteria (dog parks, parks with open water, & sites with failing septic systems) | ongoing |
| Cost of mitigation actions/retrofits | \$? |

6.4 Catch basin cleaning program

Briefly describe the method used to optimize your catch basin inspection and cleaning schedule. [\[Complete this section for the 2017 Annual Report only\]](#)

Priority catch basin cleaning in priority area (Hitchcock Lake and Lily Brook) and other environmental sensitive areas. Purchased two new road sweepers and catch basin vacs in 2021.

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. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

**Will identify all public facilities that offer DCIA reduction opportunities in 2023. Tried to initiate raingarden at high school but COVID put a temporary stop on project. Will rekindle efforts with Board of Education.
Will inspect all town public facilities and report to Town Council on recommended stormwater reduction available alternatives.**

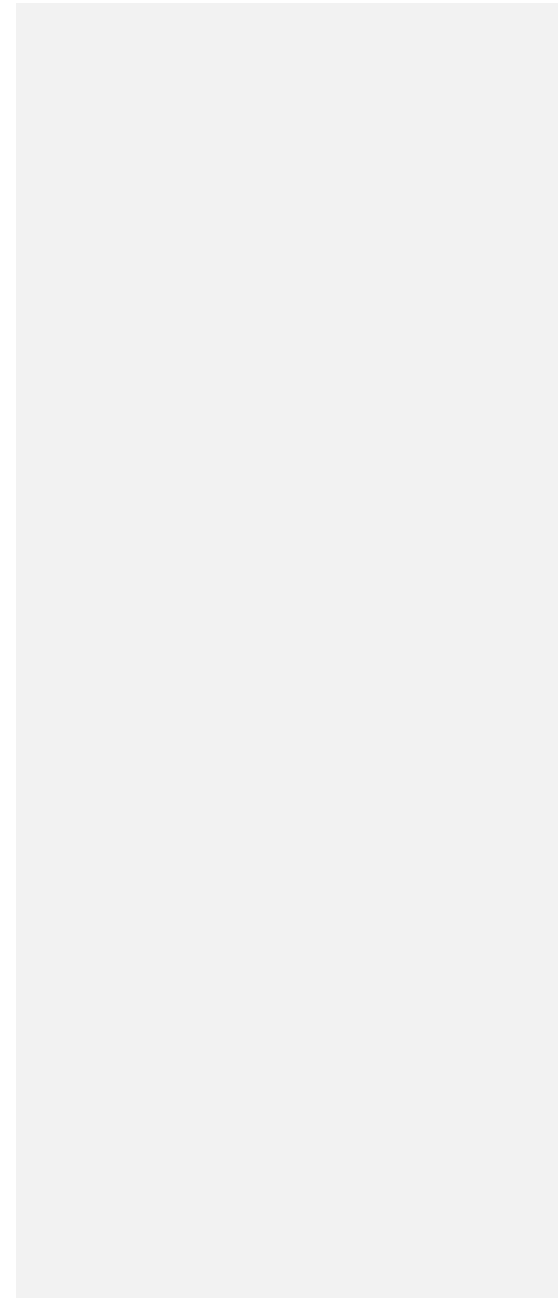
Describe plans for continuing the Retrofit program and how to achieve a goal of 1% DCIA disconnection in future years. [\[Provide information if available in 2017 report. Section to be completed for the 2019 Annual Report.\]](#)

Not started

Describe plans for continuing the Retrofit program beyond this permit term with the goal to disconnect 1% DCIA annually over the next 5 years. [\[Provide information if](#)

available in 2017 report. Section to be completed for the 2019 Annual Report.]

| |
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| |
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Part II: Impaired waters investigation and monitoring [This section required beginning with 2018 Annual Report]

1. Impaired waters investigation and monitoring program

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

Nitrogen/ Phosphorus Bacteria Mercury Other Pollutant of Concern

1.2 Describe program status.

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

Conducted stormwater sampling and analysis to 6 outfalls to Hitchcock Lake. No violations of Bacteria standard found. Identified 25 outfalls in priority area (Hitchcock Lake and Lily Brook Watersheds). Rainfall events did not allow sampling in fall. Will sample in Spring 2020.

Sampled 16 of 25 outfalls during rainfall event in Oct 2020. All results were above Fecal Coliform standards.

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

2.1 Screening data collected under 2017 permit

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

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

2.2 Credit for screening data collected under 2004 permit

If any outfalls to impaired waters were sampled under the 2004 MS4 permit, that data can count towards the monitoring requirements under the modified 2017 MS4 permit. Complete the table below to record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

| Outfall | Sample date | Parameter (Nitrogen, Phosphorus, Bacteria, or | Results | Name of Laboratory (if | Follow-up required? |
|---------|-------------|---|---------|------------------------|---------------------|
|---------|-------------|---|---------|------------------------|---------------------|

| | | Other pollutant of concern) | | used) | |
|----------------------|------------|----------------------------------|------------------|----------------|--------------------------|
| HS-1 | 10/13/20 | Total Coliform Fecal Coliform | 87,000 7,500 | Northeast Labs | Investigate Catch Basins |
| HS-2 | 10/13/20 | Total Coliform Fecal Coliform | 10,900 2,300 | Northeast Labs | Investigate Catch Basins |
| HS-3 | 10/13/20 | Total Coliform Fecal Coliform | 65,000 9,600 | Northeast Labs | Investigate Catch Basins |
| HS-5 | 10/13/20 | Total Coliform Fecal Coliform | 13,500 7,200 | Northeast Labs | Investigate Catch Basins |
| HS-7 | 10/13/20 | Total Coliform Fecal Coliform | 18,000 9,300 | Northeast Labs | Investigate Catch Basins |
| HS-9 | 10/13/20 | Total Coliform Fecal Coliform | 12,000 4,300 | Northeast Labs | Investigate Catch Basins |
| HN-1 | 10/13/2020 | Total Coliform Fecal Coliform | 60,000 17,000 | Northeast Labs | Investigate Catch Basins |
| HS-7A | 10/13/2020 | Total Coliform Fecal Coliform | 5,600 1,200 | Northeast Labs | Investigate Catch Basins |
| TR-3 | 10/13/2020 | Total Coliform Fecal Coliform | 13,400 5,400 | Northeast Labs | Investigate Catch Basins |
| Frisbee Outfall | 10/13/2020 | Total Coliform Fecal Coliform | 9,200 5,700 | Northeast Labs | Investigate Catch Basins |
| Cambridge Outfall | 10/13/2020 | Total Coliform Fecal Coliform | 16,500 3,600 | Northeast Labs | Investigate Catch Basins |
| PW#1 | 10/13/20 | Total Coliform Fecal Coliform | 71,500 2,100 | Northeast Labs | Investigate Catch Basins |
| Bethel Outfall | 10/13/2020 | Total Coliform Fecal Coliform | 77,000 12,700 | Northeast Labs | Investigate Catch Basins |
| Midwood Outfall | 10/13/20 | Total Coliform Fecal Coliform | 10,500 4,700 | Northeast Labs | Investigate Catch Basins |
| Todd Road | 10/13/2020 | Total Coliform Fecal Coliform | 12,100 5,100 | Northeast Labs | Investigate Catch Basins |
| Woodtick Rd | 10/13/2020 | Total Coliform Fecal Coliform | 9,000 4,300 | Northeast Labs | Investigate Catch Basins |

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

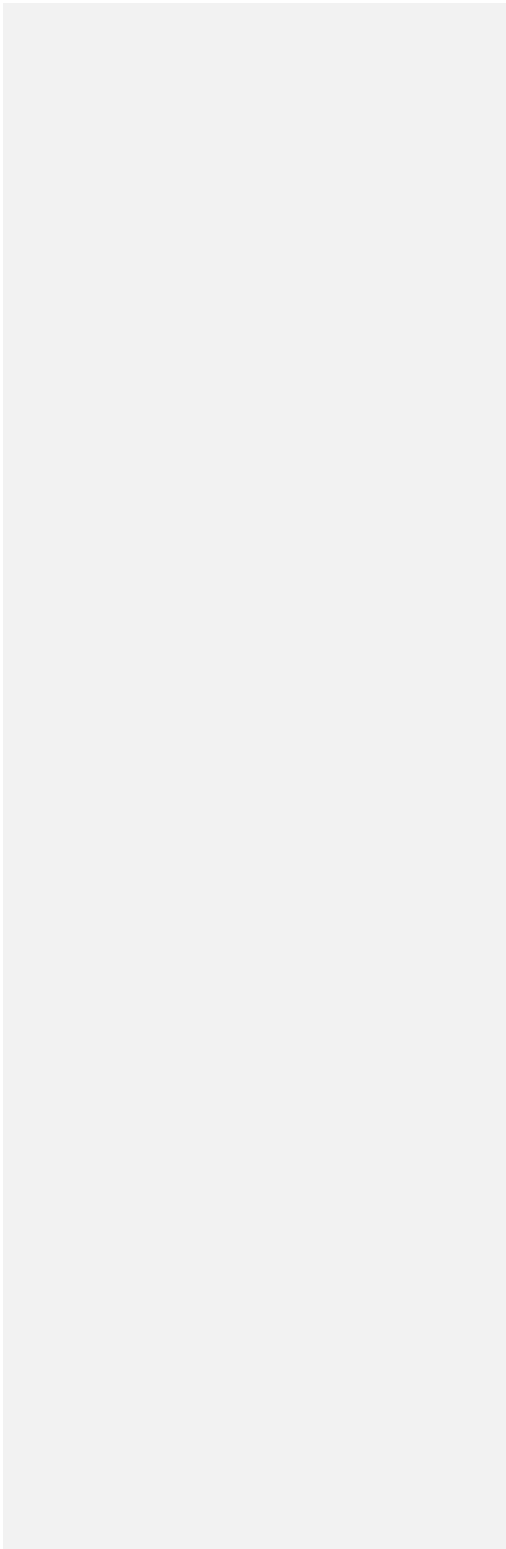
Provide the following information for outfalls exceeding the pollutant threshold.

| Outfall | Status of drainage area investigation | Control measure implementation to address impairment |
|-------------------|---------------------------------------|--|
| All outfalls | Sampled 16 of 25 | Inspect all catch basins. |
| In priority areas | Outfalls in priority area | |

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

Once outfall screening has been completed for at least 50% of outfalls to impaired waters, identify 6 of the highest contributors of any pollutants of concern. Begin monitoring these outfalls on an annual basis by July 1, 2020.

| Outfall | Sample Date | Parameter(s) | Results | Name of Laboratory (if used) |
|---------|-------------|--------------|--------------------------|------------------------------|
| | | | | |
| | | | | |
| HS-3 | Spring 2022 | E Col | No sampling due to Covid | |
| HS-5 | Spring 2022 | E Col | No sampling due to Covid | |
| HS-7 | Spring 2022 | E Col | No sampling due to Covid | |
| HN-1 | Spring 2022 | E Col | No sampling due to Covid | |
| Frisbee | Spring 2022 | E Col | No sampling due to Covid | |
| Bethel | Spring 2022 | E Col | No sampling due to Covid | |
| | | | | |
| | | | | |
| | | | | |

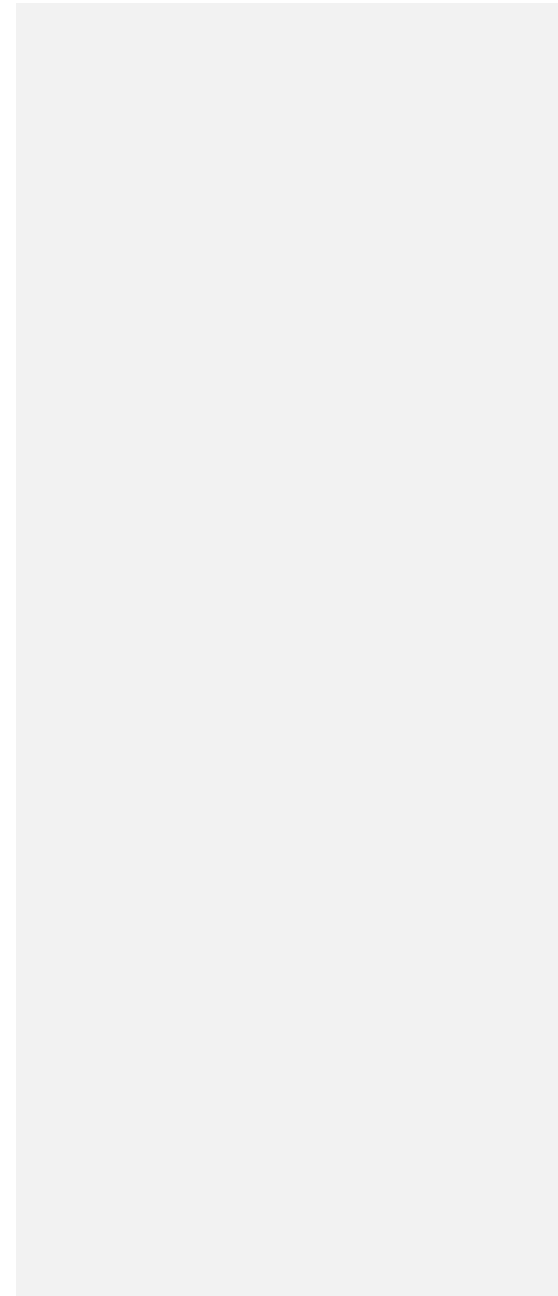


Part III: Additional IDDE Program Data [This section required beginning with 2018 Annual Report]

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 |
|---------------------------------|-------------|-------------|
| 6914-10-1 | | <i>high</i> |
| 6914-22-1-l2 | | <i>high</i> |
| 6914-00-3-r1 | | <i>High</i> |
| 6914-08-01 | | high |
| 6914-06-1-l2 | | high |
| 6914-06-1-l1 | | High |
| 6914-06-2-r1 | | high |
| 6914-06-2-r2 | | high |
| 6914-00-2-r3 | | high |
| 6914-09-01 | | high |
| 6914-09-1-l2 | | high |
| 6914-09-1-l4 | | high |
| 6914-00-2-l2 | | high |
| 6914-00-2-r3 | | high |
| 6914-09-1-l1 | | high |
| 6914-00-1-l1 | | high |



| | | |
|-----------|--|------|
| 6914-00-1 | | high |
|-----------|--|------|

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.

| Outfall / Interconnection ID | Screening / sample date | Ammonia | Chlorine | Conductivity | Salinity | E. coli or enterococcus | Surfactants | Water Temp | Pollutant of concern | If required, follow-up actions taken |
|---|-------------------------|---------|----------|--------------|----------|-------------------------|-------------|------------|----------------------|--------------------------------------|
| 1. North Outfall | 5/21 | .22 | 78 | 200 | .2 | 13.2 | 0 | 50 | E coli | |
| 2. Spindle Hill | 5/21 | .23 | 4.1 | 20 | 0 | 6.2 | 0 | 50 | E coli | |
| 3. Chasse (no Flow) | | | | | | | | 50 | E coli | |
| 4. Beach 1 (No Flow) 5. Forest View 18 (No Flow) | | | | | | | | | | |
| 6. long Meadow 3 | 5/21 | .21 | 90 | 260 | .2 | 686.7 | 0 | 50 | E coli | |
| 7. Grilly 13 | 5/21 | .21 | 49 | 140 | .1 | 5.2 | 0 | 50 | ecoli | |
| 8. Executive Hill 1 | 5/21 | .2 | 44 | 120 | .1 | 7.4 | 0 | 50 | ecoli | |

| | | | | | | | | | | | |
|-----|----------------------------|------|-----|-----|-----|----|-------|---|----|-------|--|
| 9. | Lindsley 1 | 5/21 | .2 | 12 | 1 | 0 | 33.6 | 0 | 50 | ecoli | |
| 10. | Brook 1 | 5/21 | .28 | 130 | 340 | .2 | 19.7 | 0 | 50 | ecoli | |
| 11. | Brook 2 | 5/21 | .29 | 130 | 350 | .2 | 33.1 | 0 | 50 | ecoli | |
| 12. | Ransom Hall 1 | 5/21 | .24 | 71 | 210 | .1 | 517.2 | 0 | 50 | ecoli | |
| 13. | Ransom Hall 2 (No Flow) | | | | | | | | | | |
| 14. | LB3 (No Flow) | | | | | | | | | | |
| 15. | Pleasant 3 (No Flow) | | | | | | | | | | |
| 16. | Pleasant 2 (No Flow) | | | | | | | | | | |
| 17. | TR 8735 | 5/21 | .25 | 84 | 290 | .2 | 517.2 | 0 | 50 | ecoli | |
| 18. | Cambridge 1 (No Flow) | | | | | | | | | | |
| 19. | Midwood-CB1 | 5/21 | .32 | 60 | 190 | .1 | 30.9 | 0 | 50 | ecoli | |
| 20. | HS6 (no Flow) | | | | | | | | | | |
| 21. | HS5 (No Flow) | | | | | | | | | | |
| 22. | Maple Oaks 2 | 5/21 | .28 | 170 | 460 | .3 | 73.3 | 0 | 50 | ecoli | |

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.

| Outfall / Interconnection ID | Sample date | Ammonia | Chlorine | Conductivity | Salinity | E. coli or Enterococcus | Surfactants | Water Temp | Pollutant of concern |
|------------------------------|-------------|---------|----------|--------------|----------|-------------------------|-------------|------------|----------------------|
| | | | | | | | | | |
| | | | | | | | | | |

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. An example is provided below.

| Outfall ID | Receiving Water | System Vulnerability Factors |
|------------|-----------------|---|
| <i>n/a</i> | | <i>No vulnerability of any outfalls</i> |
| | | |
| | | |

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

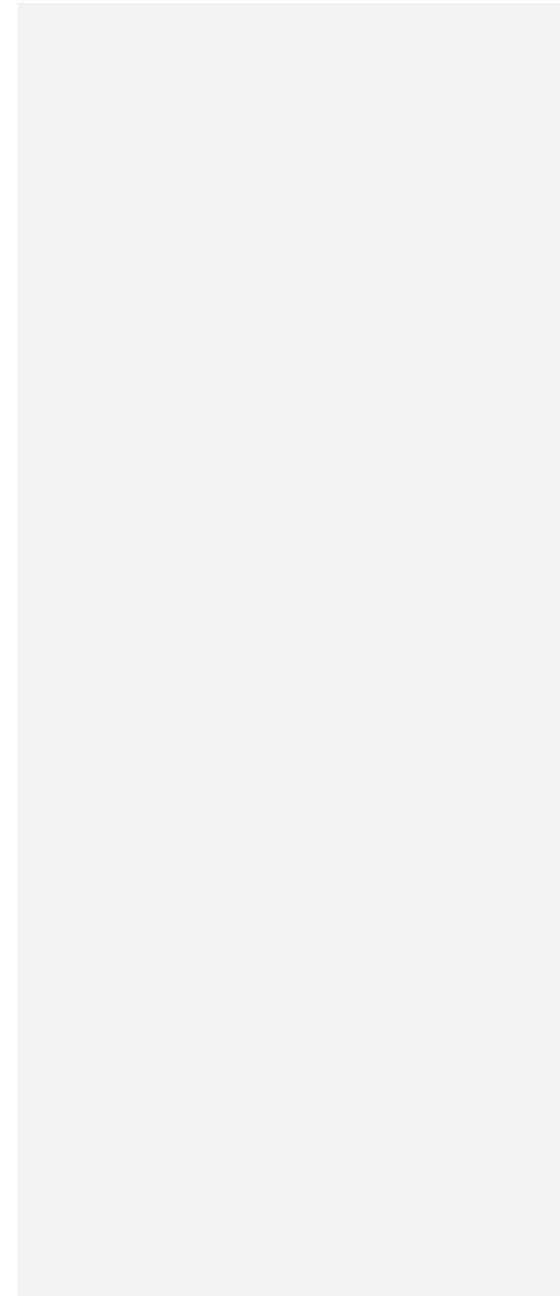
| Key Junction Manhole ID | Screening / Sample date | Visual/ olfactory evidence of illicit discharge | Ammonia | Chlorine | Surfactants |
|-------------------------|-------------------------|---|---------|----------|-------------|
| | | | | | |
| | | | | | |

3.3 Wet weather investigation outfall sampling data

| Outfall ID | Sample date | Ammonia | Chlorine | Surfactants |
|------------|-------------|---------|----------|-------------|
| | | | | |
| | | | | |

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

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



Part IV: Certification

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

| Chief Elected Official or Principal Executive Officer | Document Prepared by |
|---|--------------------------------|
| Print name: Thomas Dunn | Print name: Mark Possidento |
| Signature / Date: | Signature / Date: |