TOWN OF WILLINGTON, CONNECTICUT MS4 STORMWATER PROGRAM ANNUAL REPORT FOR 2019





Prepared: February 2020

MS4 General Permit Town of Willington, CT / 2019 Annual Report

Existing MS4 Permittee
Permit Number GSM 000123
January 1, 2019 – December 31, 2019

This report documents the Town of Willington's efforts to comply with the conditions of the MS4 General Permit to the maximum extent practicable (MEP) from January 1, 2019 to December 31, 2019.

Part I: Summary of Minimum Control Measure Activities

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

| ВМР | Status | Activities in current reporting period (if needed, more space available after this table) | Measurable goal | Department / Person Responsible | Due | Date completed or projected completion date | Additional details |
|--|----------------|--|--|--|----------------|---|---|
| 1-1 Implement public education and outreach | In progress | Staff meetings to set up public participation and place public information on website. | News Releases & Informational Meetings | Public Works & Planning / Land Use | Ongoing | | Meetings are held on an annual basis between Selectmen, PublicWorks and Department staff. |
| 1-2 Address education/ outreach for pollutants of concern* | In progress | Staff meetings to set up outreach program for public participation | News Releases & Informational Meetings | Public Works & Planning / Land Use | Ongoing | | Continuing to involve varied membership from Town Committees. |
| 1-3 Integrate water quality into school curriculum | Not Started | Will strive to work with schools during 2020 to educate teachers and students with respect yo stormwater quality | Educate students on common stormwater topics | Public Works, Planning / Land Use, and School Committees | Not Started | Plan to implement program during the 2020 school year | Extension of the public education program to schools |

Supplemental information on BMP activities:

| ВМР | |
|--|--|
| 1-3 Integrate water quality into school curriculum | The Town, through Public Works and School Committees, will coordinate with school officials, during the coming academic year, to determine feasibility of stormwater programs for upper grade students and develop a short curriculum to educate students about water quality and its effect on public health and welfare. |

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

Outreach and educational efforts will be continue to be outlined and explained to the general public through information on the Town's website for the coming year and, as noted above, efforts will be made to reach out to schools to include students and educators in an effort to maintain good water quality within the Town's rivers and streams.

1.3 Details of activities to be implemented to educate the community on stormwater

| Program Element / Activity | Target Audience | Topics to be covered | Pollutant of Concern to be addressed (as may be applicable) | Responsible Department |
|---|--|--|---|--|
| A program curriculum to highlight stormwater issues and explain them to school students will be undertaken, as noted above. | Students, teachers and parents | Impact of impervious cover, stormwater infiltration, illicit discharges, water quality, etc. | Phosphorus, nitrogen, hydrocarbons, chemicals, etc. | Board of Selectmen, Public Works, Planning / Land Use, School Committees |
| Brochures to be distributed at IWWA and also available at First Selectman's Office | Developers, home owners and professional consultants | Impact of impervious cover, septic systems, fertilizer use, stormwater design and low inmpact devlopment | Bacteria, nitrogen and phosphorus | Board of Selectmen, Public Works and IWWA |

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

2.1 BMP Summary

| ВМР | 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 | Completed | Continue with posting of additional information and annual report | | Public Works & Planning / Land Use | Apr 1, 2020 | April 1, 2020 | |
| 2-2 Comply with public notice requirements for Annual Reports | In progress | Report in progress. Out for public comment. | Publish notice, as required | Public Works & Planning / Land Use | Feb 15, 2020 | February 15, 2020 | |

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

- (1) Plan school and field visits for school children
- (2) Designate an inspector or group that will inspect and report on questionable practices and potential violations.

2.3 Public Involvement/Participation reporting metrics

| Metrics | Implemented | Date | Posted |
|--|-------------|-------------------|--------------------------------|
| Availability of the Stormwater Management Plan to public | Yes | 2019 - 2020 | Town Website (Public Works) |
| Availability of Annual Report announced to public | Yes | February 15, 2020 | Town Website |

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

| ВМР | 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 | In progress | Town is in the process of completing a written IDDE program using the CT IDDE program template | Develop written plan of IDDE program | Public Works | July 1, 2020 | July 1, 2020 | |
| 3-2 Develop list and maps of all MS4 stormwater outfalls in priority areas, specifically in the urban area in the southwest section of Town | In progress | Solicit information on available mapping firms | Determine survey needs and procure services of GIS mapping firm | Public Works | July 1, 2020 | July 1, 2020 | |
| 3-3 Implement citizen reporting program | Ongoing | Coordinate reporting with existing input from Town residents | Posting of reporting forms on website | Public Works & Selectmen's Office | Nov. 1, 2018 | July 1, 2020 | |
| 3-4 Establish legal authority to prohibit illicit discharges | Ongoing | Ordinance is currently under consideration through legal consultants | Draft final ordinance for staff and public input | Public Works & Selectmen's Office | July 1, 2018 | November 1, 2020 | |
| 3-5 Develop record keeping system for IDDE tracking | In progress | Record keeping system under consideration by Public Works and Land Use Dept. | Draft document for staff and public input | Public Works & Land Use Dept. | July 1, 2018 | July 1, 2020 | |
| 3-6 Address IDDE in areas with pollutants of concern | In progress | Currently being identified | Preliminary list of potential IDDE sources | Public Works & Land Use Dept. | July 1, 2018 | July 1, 2019 | |

| 3.2 IDD | E activities planned for the next year, if applicable. | |
|---------|--|------|
| Public | Works has not identified any IDDE activities to date, but will continue to monitor Town-wide activities and make inquiries where and as nece | sary |
| | | |
| | | |
| | | |
| | | |
| | | |

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

| Date of Report | Location / suspected source | Response taken |
|-----------------------|-----------------------------|----------------|
| None received to date | | |
| | | |
| | | |

3.4 Record of illicit discharges occurring during the reporting period and SSOs occurring July 2012 through end of reporting period using the following table.

| 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) |
|---|---------------------------------------|--|-----------------------------------|--|--|-------------------------------------|
| None reported during the 2019 calndar year | | | | | None planned, but as noted above, staff will continue to monitor any potential IDDE activities | |

3.5 Method used to track illicit discharge reports, responses to those reports, and who was responsible for tracking this information.

| Public Works and IWWA continue to keep track of any reported illicit discharge activity. As noted above, no such reports were received in 2019. | |
|---|--|
| | |
| | |

3.6 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 |
|---|---|---|
| These activities are coordinated with the regional health department and, as of the current submittal, no failures have been reported which | Continued monitoring of Health Department actions to correct problems related to septic systems and leach fields. | No impacts to date, but such situations will be investigated and acted upon should any septic related failures occur. |
| might impact runoff to streams or rivers | 3,555 | |

3.7 IDDE reporting metrics

| Metrics | |
|--|----------------------------|
| Estimated or actual number of MS4 outfalls | Inventory in progress |
| Estimated or actual number of interconnections | Inventory in progress |
| Outfall mapping complete | 0% (Inventory in progress) |
| Interconnection mapping complete | 0% (Inventory in progress) |
| System-wide mapping complete (detailed MS4 infrastructure) | 0% (Inventory in progress) |
| Outfall assessment and priority ranking | 0% (Inventory in progress) |
| Dry weather screening of all High and Low priority outfalls complete | 0% (Inventory in progress) |
| Catchment investigations complete | 0% (Inventory in progress) |
| Estimated percentage of MS4 catchment area investigated | 0% (Inventory in progress) |

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).

Town staff have participated and will continue to participate in annual meetings, seminars and hearings related to these issues, and will continue to do so as such become available.

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

4.1 BMP Summary

| ВМР | 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 | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Jul 1, 2019 | | |
| 4-2 Develop/Implement plan for interdepartmental coordination in site plan review and approval | Ongoing | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Ongoing | | |
| 4-3 Review site plans for stormwater quality concerns | Ongoing | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Ongoing | | |
| 4-4 Conduct site inspections | Ongoing | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Ongoing | | |
| 4-5 Implement procedure to allow public comment on site development | Ongoing | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Ongoing | | |
| 4-6 Implement procedure to notify developers about DEEP construction stormwater permit | Ongoing | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Ongoing | | |

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

Integrate stormwater compliance checklist into review process once completed.

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

| ВМР | 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 | In progress | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Jul 1, 2022 | | |
| 5-2 Enforce LID/runoff reduction requirements for development and redevelopment projects | In progress | Continue with current procedures. | Maintain current standards and review periodically. | Land Use Dept. | Jul 1, 2022 | | |
| 5-3 Identify retention and detention ponds in priority areas | In progress | Continue with current procedures for existing facilities and map future development. | Maintain current standards and review periodically. | Land Use Dept. | Jul 1, 2020 | | |
| 5-4 Implement long-term maintenance plan for stormwater basins and treatment structures | In progress | Continue with current procedures for Town and monitor commercial and industrial sites in future. | Maintain current standards and review periodically. | Public Works and Land Use Dept. | Jul 1, 2020 | | |
| 5-5 DCIA mapping | In progress | Solicit information on available mapping firms and coordinate with Town-wide stormwater mapping. | Procure services of GIS mapping firm | Public Works and Selectmen's Office | Jul 1, 2020 | | |
| 5-6 Address post-construction issues in areas with pollutants of concern | In progress | Continue with current procedures. | Maintain current standards and review periodically. | Public Works and Land Use Dept. | Jul 1, 2020 | | |

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

Public Works continues to clean high priority detention ponds, storm water catch basins and other Town facilities related to runoff and drainage. In addition, the Town has completed several significant stormwater improvement projects which have resulted in improved water waulity; Public Works will continue to monitor the effectiveness of these projects and maintain them into the forseeable future.

5.3 Post-Construction Stormwater Management reporting metrics

| Metrics | |
|---|-----------------------|
| Baseline (2012) Directly Connected Impervious Area (DCIA) | Currently under study |
| DCIA disconnected (redevelopment plus retrofits) | Currently under study |
| Retrofits completed | Currently under study |
| DCIA disconnected | Currently under study |
| Estimated cost of retrofits | Currently under study |
| Detention or retention ponds identified | Currently under study |

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

These metrics are currently under development through the use of both DEEP, Regional Planning and Town based GIS mapping. Once completed, the Townplans for the layer to be added to its base GIS maps.

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

| ВМР | 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 | Ongoing | Maintain existing program. | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-2 Implement MS4 property and operations maintenance | Ongoing | Maintain existing program. | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-3 Implement coordination with interconnected MS4s | Ongoing | Under study | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-4 Develop / implement program to control other sources of pollutants to the MS4 | Ongoing | Under study | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-5 Evaluate additional measures for discharges to impaired waters* | Ongoing | Under study | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-6 Track projects that disconnect DCIA | Ongoing | Under study | Maintain existing program. | Public Works | Jul 1, 2019 | Ongoing | |
| 6-7 Implement infrastructure repair/rehab program | Ongoing | Will include future projects for Village Hill and Schofield Roads. | Maintain existing CIP program. | Public Works | Jul 1, 2021 | Ongoing | |
| 6-8 Develop/implement plan to identify / prioritize retrofit projects | Ongoing | Under study | | Public Works | Jul 1, 2020 | Ongoing | |

| 6-9 Implement retrofit projects to disconnect 2% of DCIA | Ongoing | Under study | | Public Works | Jul 1, 2022 | Ongoing |
|--|---------|------------------|--------------------------------------|--------------|--|---------|
| 6-10 Develop / implement street sweeping program | Ongoing | Program in place | Maintain existing CIP program. | Public Works | Ongoing beginning Jul 1, 2017 | Ongoing |
| 6-11 Develop/implement catch basin cleaning program | Ongoing | Program in place | Maintain existing CIP program. | Public Works | Ongoing beginning Jul 1, 2020 | Ongoing |
| 6-12 Develop/implement snow management practices | Ongoing | Program in place | Maintain existing CIP program. | Public Works | Ongoing beginning Jul 1, 2018 | Ongoing |

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

| Will continue programs of street sweeping, catch basin cleaning and repair of deteriorating infrastructure. | |
|---|--|
| | |

6.3 Pollution Prevention / Good Housekeeping Reporting Metrics

| Metrics | |
|---|--------------------------------|
| Employee training provided for key staff | 2019 |
| Street sweeping | |
| Curb miles swept | 120 |
| Volume (or mass) of material collected | 600 tons |
| Catch basin cleaning | |
| Total catch basins in priority areas | 831 |
| Total catch basins in MS4 | |
| Catch basins inspected | 831 |
| Catch basins cleaned | 831 |
| Volume (or mass) of material removed from all catch basins | 200 Tons |
| Volume removed from catch basins to impaired waters (if known) | 0 |
| Snow management | |
| Type(s) of deicing material used | 1:2 Mix of Sand & Salt |
| Total amount of each deicing material applied | 2,153 Tons Sand |
| | 1,115 Tons Salt |
| | 3,375 Gallons Calcium Chloride |
| Type(s) of deicing equipment used | |
| Lane-miles treated | |
| Snow disposal location | Town property (old gravel pit) |
| Staff training provided on application methods & equipment | Ongoing |
| Municipal turf management program actions (for permittee properties in basins with | |
| N/P impairments) | |
| Reduction in application of fertilizers (since start of permit) | 0% |
| Reduction in turf area (since start of permit) | Not applicable |
| Lands with high potential to contribute bacteria (dog parks, parks with open water, & | |
| sites with failing septic systems) | |
| Cost of mitigation actions/retrofits | Not applicable |

6.4 Catch basin cleaning program

Updates or modifications to your catch basin cleaning program

Program is being implemented efficiently; no current modifications are anticipated.

6.5 Retrofit program

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.

Prioritization is dependent on the capital improvement plan and budget. Conditional assessments of projects are evaluated on an annual basis.

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

The program will be evaluated on an annual basis and, because DCIA areas are limited within the Town, no long term changes area anticipated at this time.

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

Again, as noted above, a lower goal will be freviewed and evaluated on an annual basis.

Part II: Impaired waters investigation and monitoring

Impaired waters investigation and monitoring program Stormwater pollutant(s) of concern occur(s) in Willington.

| | Nitrogen/ Phosphorus | Bacteria | Mercury \square | Other Pollutant of Concern |
|--|--|--|---|--|
| | Niti ogeny Phosphorus | | iviercury | Other Pollutarit of Concern |
| 1.2 P | rogram status. | | | |
| - | he status of monitoring work comple Stormwater Management Plan base | | = | nd any notable findings, and 3) changes to |
| wat the ema sou trea high disc | er body within the Town of Willingtor Town of Willington, a boundary that is anates from the Town of Stafford at W thwest corner. The source of the impa atment plant just upsteam in Stafford, nway rest area along the river's inters | n that is currently is shared, in part, villington's northy airment in the rive and the subsurfa ection with Intersiche Town of Willington | listed as impaired with the towns of vest corner and coer has been found ce sewage disposatate 84. It must be agton's stormwate | te of this report, is the only waterway or . This river forms the westerly boundary of Ellington, Tolland and Coventry. The river ontinues into the Town of Mansfield at its to be from two sources, the wastewater al system of the State of Connecticut's e noted that there are no direct stormwater or drainage system. As such, the Town of |

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

2.1 Screening data

Table 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? * |
|-------------------|----------------|---|---------|------------------------------------|--|
| Not Applicable | | | | | Because the Town of Willington has no direct outfalls to the only impaired waterbody, the Willimantic River, ther are no current plans to collect or screen data for this purpose. |

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. The table below is a record sampling data for any outfalls to impaired waters under the 2004 MS4 permit.

| Outfall | Sample date | Parameter (Nitrogen, Phosphorus, Bacteria, or Other pollutant of concern) | Results | Name of Laboratory (if used) | Follow-up required? * |
|------------|----------------|---|---------|------------------------------------|-------------------------------|
| Not | | | | | See previous discussion under |
| Applicable | | | | | Sections 1.2 and 2.1. |
| | | | | | |

^{*}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 Total Coliform > 500 col/100ml |
| Bacteria (salt waterbody) | Fecal Coliform > 31 col/100ml for Class SA and > 260 col/100ml for Class SB Enterococci > 104 col/100ml for swimming areas or 500 col/100 for all others |
| Other pollutants of concern | Sample turbidity is 5 NTU > in-stream sample |

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

Outfalls exceeding the pollutant threshold.

| Outfall | Status of drainage area investigation | Control measure implementation to address impairment |
|----------------|---|--|
| Not Applicable | See previous discussion under Sections 1.2 and 2.1. | |
| | | |
| | | |

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, this table would identify 6 of the highest contributors of any pollutants of concern. Monitoring for these outfalls would begin on an annual basis by July 1, 2020.

| Outfall | Sample Date | Parameter(s) | Results | Name of Laboratory (if used) |
|----------------|----------------|--------------|---|---------------------------------|
| Not Applicable | | | See previous discussion under Sections 1.2 and 2.1. | |
| | | | | |
| | | | | |

Part III: Additional IDDE Program Data

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

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 |
|---------------------------------|-------------|---------|
| In progress | | |
| | | |
| | | |

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

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 |
|------------------------------------|-------------------------|---------|----------|--------------|----------|-------------------------|-------------|---------------|----------------------------|--------------------------------------|
| In progress | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

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 |
|------------------------------------|----------------|---------|----------|--------------|----------|----------------------------|-------------|------------|----------------------|
| In progress | | | | | | | | | |
| | | | | | | | | | |

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, this represents a report which SVF's were identified.

| Outfall ID | Receiving Water | System Vulnerability Factors |
|-------------|-----------------|------------------------------|
| In progress | | |
| | | |
| | | |

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.
- 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 that 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 that 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 | Ammoni a | Chlorine | Surfactants |
|-------------------------------|----------------------------|---|-------------|----------|-------------|
| In progress | | | | | |
| | | | | | |

3.3 Wet weather investigation outfall sampling data

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

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 discover | Date of elimination | Mitigation or enforcement action | Estimated volume of flow removed |
|-----------------------|--------------------|-----------------------|---------------------|------------------|---------------------|----------------------------------|----------------------------------|
| In progress | | | | | | | |

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: Erika Wiecenski First Selectman, Town of Willington | Print name: Karl F. Acimovic, P.E. & L.S. | | | |
| Signature / Date: | Signature / Date: | | | |