# Haverhill

Robert E. Ward, Interim DPW Director
Phone: 978-374-2382 Fax: 978-521-4083
rward@haverhillma.gov


October 30, 2026

Chief, Environmental Enforcement Section
Environment & Natural Resources Division
United States Department of Justice
P.O. Box 7611- Ben Franklin Station
Washington, DC 20044

Subject: City of Haverhill, MA NPDES Permit #MA 0101621
Consent Decree Submittal (Civil Action No. 16-11698-IT, 11/10/16)
Compliance Report No. 20 – January 1, 2026, through June 30, 2026

To Whom It May Concern:

Enclosed is Compliance Report No. 20 as required by Section IX.67 of the Consent Decree. This report is for the January 1, 2026, through June 30, 2026, reporting period.

If you require additional information, please call me at (978) 374-2382.

Sincerely,

Robert E. Ward
DPW Director

Enclosure

cc: Chief, Environmental Enforcement Section, U.S. DOJ
Hillary H. Harnett, Assistant U.S. Attorney, MA District, hillary.hharnett@usdoj.gov
HariNarayan Grandy, USEPA, grandy.harinarayan@epa.gov
Belinda Stansbury, Belinda (DEP) Belinda.Stansbury@mass.gov
I. Andrew Goldberg, MA Assistant Attorney General, andy.goldberg@state.ma.us
Mayor Melinda E. Barrett, City of Haverhill, mayor@haverhillma.gov
Michael Leon, Nutter, McClennen & Fish LLP, MLeon@nutter.com
Paul Jessel, WWTP Collection System Supervisor, pjessel@haverhillma.gov
Isaiah Lewis, WWTP Facility Manager, ilewis@haverhillma.gov
Kevin Olson, Wright-Pierce, kmo@wright-pierce.com
Lisa Mead, City Solicitor, lisa@mtclawyers.com

CITY OF HAVERHILL, MASSACHUSETTS
NPDES PERMIT No. MA0101621
CONSENT DECREE
(Civil Action No. 16-11698-IT, 11/10/16)

# COMPLIANCE REPORT
# JANUARY-JUNE 2026

## SUBMITTED

OCTOBER 2026

# TABLE OF CONTENTS

SECTION 1 INTRODUCTION ..... 1-1

1.1 Background ..... 1-1
1.2 Vacant Positions ..... 1-1
1.3 Report Organization ..... 1-1
1.4 Certification Statement ..... 1-2

SECTION 2 IDDE PROGRAM ..... 2-1

2.1 Introduction ..... 2-1
2.2 IDDE Investigation Progress Reporting ..... 2-1
2.3 Identified Illicit Connections And Current Priority List Status Resolution ..... 2-12

SECTION 3 SSO & BUILDING/PRIVATE PARTY BACKUP EVENTS ..... 3-1

3.1 SSO Activity ..... 3-1

SECTION 4 CONSTRUCTION SITE INSPECTION AND ENFORCEMENT PROGRAM 4-1

4.1 Enforcement Activity ..... 4-1

SECTION 5 GENERAL STATUS ..... 5-3

5.1 Introduction ..... 5-3
5.2 Issues Of Noncompliance ..... 5-4
5.3 Looking Ahead - Six Month Forecast ..... 5-4

SECTION 6 SECONDARY TREATMENT BYPASS ..... 6-1

6.1 Introduction ..... 6-1
6.2 Bypass Events ..... 6-1

SECTION 7 CMOM CORRECTIVE ACTION PLAN ..... 7-2

7.1 Introduction ..... 7-2
7.2 CMOM Corrective Actions ..... 7-2
7.3 Additional cmom-Related Activities ..... 7-2

List Of Tables

Table 2-1 Prioritized List of Outfall Sub-Area Investigations ..... 2-2
Table 2-2 Summary Of IDDE Investigations Of Systems With Potential Illicit Connections By Basin ..... 2-4
Table 2-3 Summary Of Illicit Discharges Identified By Basin And Current Status (January through June 2026) ..... 2-13
Table 3-1 Sanitary Sewer Overflow ..... 3-2
Table 5-1 Table Submissions Within Current Reporting Period ..... 5-4
Table 5-2 Deliverables During The Next Reporting Period (July to December 2026) ..... 5-5
Table 7-1 CMOM Deficiencies Completed ..... 7-3
Table 7-2 Remaining Deficiencies ..... 7-8
Table 7-3 CMOM-Related Expenses that Occurred ..... 7-11

# SECTION 1 INTRODUCTION

## 1.1 Background

The United States Environmental Protection Agency (EPA), Massachusetts Department of Environmental Protection (MassDEP), and the City of Haverhill entered into a Consent Decree to require the City to take measures necessary to meet the requirements of the Clean Water Act and the Massachusetts Clean Water Act, and to achieve and maintain compliance with the Small Municipal Separate Stormwater Sewer System (MS4) General Permit and the Publicly Owned Treatment Works (POTW) Permit, and all applicable federal and state regulations. The effective date of the Consent Decree is November 10, 2016.

As part of the Consent Decree, the City is required to submit a Compliance Report to EPA and MassDEP for the previous six-month period, referred to as a "Reporting Period." The bi-annual Reporting Periods run from January through June and July through December, with the Compliance Reports due on April 30th and October 31st for the previous period.
The goal of this Compliance Report is to provide the EPA and MassDEP an updated summary of the work performed by the City to achieve and maintain compliance over the course of the Reporting Period.

## 1.2 VACANT POSITIONS

At this time, the City is working to hire a collections system laborer and a maintenance mechanic helper. The Collection System Supervisor position remains vacant. The City continues to look for a long-term solution for this critical role. This position is currently being filled by a retired City Employee.

## 1.3 REPORT ORGANIZATION

The Compliance Report is divided into several sections including:

- Section 2 IDDE Program
- Section 3 SSO and Building/Private Party Backup Events
- Section 4 Construction Site Inspection and Enforcement Program
- Section 5 General Status
- Section 6 Secondary Treatment Bypass
- Section 7 CMOM Corrective Action Plan (per MassDEP request)

Each section summarizes the City's actions, activities, and events that have occurred during the Reporting Period in accordance with the Consent Decree.

## 1.4 CERTIFICATION STATEMENT

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Robert E. Ward
DPW Director- Water/Wastewater
City of Haverhill, Massachusetts

10/29/26
(date)

# SECTION 2 IDDE PROGRAM

## 2.1 INTRODUCTION

The City identified and inspected 1,200 stormwater outfalls (thirteen of these outfalls are shared stormwater/combined sewer overflow (CSO) outfalls) as part of the 2014/2015 Stormwater Outfall Inspection Report. Based on the findings, the City established a draft schedule of prioritized inspections.

In 2017, the City prepared the "Illicit Discharge Detection and Elimination (IDDE) Manual." The manual identified the procedures that the City will follow to continue their comprehensive inspections of its stormwater outfalls, upstream system investigations, and enforcement procedures when an illicit connection is identified. Most recently, the IDDE Manual was updated in 2020 to be in compliance with the City's MS4 permit. The IDDE manual can be found on the city's stormwater website at https://www.haverhillma.gov/living-here/waterwastewater-services/stormwater/

The City continues to conduct IDDE sampling and update priorities based on field investigation and lab analysis testing results. The current IDDE investigation priorities as of June 2026 are shown in Table 2-1. The current priorities categories reflect the following inventory: four Problem Priority outfalls; three High-Priority outfalls; and thirty-four Low-Priority outfalls. Table 2-1 has been updated with the most recent sampling results for each outfall. The priority listing of outfalls, with sample results, is also available at the City's stormwater website. https://www.haverhillma.gov/media/ojjfglj2/21_idde_master_cd8.pdf

## 2.2 IDDE INVESTIGATION PROGRESS REPORTING

Table 2-2 shows the City's progress to date on their IDDE investigations during the reporting period (January through June 2026). Updated results for outfall catchment areas have been updated on Table 2-2 and IDDE catchment investigation maps in Appendix. Table 2-3 shows the City's current list of priority outfalls for maintenance.

Using GIS, the City identified a total of 26.12 miles of storm drain piping and 2,617 drainage manholes and catch basins in the tributary area upstream of the outfalls included in the Priorities List as Problem, High, Low priorities. The total length investigated is included and updated from previous reporting for a cumulative percentage investigated. Some outfalls are considered fully investigated if there is no flow in an upstream asset.

**Table 2-1 Prioritized List of Outfall Sub-Area Investigations**
**Based On Outfall Inspection Program**
**2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program**
**Summary of Water Quality Testing of Dry Weather Flow at MS4/CSO Outfalls**

| Outfall Information | | | | | Field Inspection Information | | Dry-Weather Flow Characteristics | | | | | Field Parameter Test Results | | | | | | | Coliform Laboratory Sampling/Analysis | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GIS Identifier | Diameter | Material | Outfall Location | Ownership | Date | Previous Rainfall Dates | Flow Description | Odor | Color | Floatables | Turbidity | Sample Time | Sample Temp (F) | pH | Conductivity | Ammonia (mg/l) | Surfactants (mg/l) | Chlorine (mg/l) | Sample Date for Bacteria | Previous Rainfall (inches) | Previous Rainfall (Date) | Previous Rainfall (End Time) | E. coli (MPN/ 100 ml) | Enterococc (MPN/ 100 |
| **Problem Priority** | | | | | | | | | | | | | | | | | | | | | | | | |
| UNK0955 | 36" | RCP | South Main Street (Dominator Plaza) | City | 09/16/20 | .01" on 9/13/20 | Trickle | None | Clear | None | None | 725 | 62.2 | 7 | 1630 | 0.13 | 0.1 | 0 | 09/16/20 | 0.1 | 09/13/20 | | >2400 | |
| PL0891 | 30" | RCP | Main Street @ Marsh Avenue | City | 05/02/22 | .4" on 4/27/22 | Moderate | None | None | None | Clear | 710 | 45 | 6.8 | 1470 | 0.2 | 0 | 0 | 05/02/22 | 0.4 | 04/27/22 | 225 | 15406 | |
| PL0891 wet weather | 30" | RCP | Main Street @ Marsh Avenue | City | 05/02/23 | Current | Moderate | None | None | None | Clear | 904 | 52 | 6.8 | 908 | 0.37 | 0.28 | 0 | 05/02/23 | Current | | | 687 | |
| MR1109 | 12" | RCP | 350 Water Street | City | 11/09/20 | .01" on 11/3/20 | Trickle | None | None | None | None | 930 | 59.3 | 7.31 | 3 | 0 | 0 | 0 | 12/10/15 | 0.1 | 12/03/15 | | 1413.6 | > 2420 |
| UNK1767 | 36" | CMP | Tudor Court | City | 08/12/25 | .02" on 08/02/25 | Trickle | None | Clear | None | Clear | 930 | 72 | 8.2 | 820 | ND | 0 | 0.04 | 08/12/25 | 0.02 | 08/02/25 | 730 | 517.7 | >2420 |
| UNK1767 wet weather | 36" | CMP | Tudor Court | City | 05/02/23 | Current | Moderate | None | None | None | Clear | 955 | 39 | 6.9 | 620 | 0.083 | 0 | 0 | 05/02/23 | Current | | | 4727 | |
| **High Priority** | | | | | | | | | | | | | | | | | | | | | | | | |
| LR1260 | 3'x4' | other, blocks | 140 Hale Street | City | 05/02/22 | .4" on 04/27/22 | Trickle | None | None | None | None | 745 | 42 | 7.4 | 608 | 0.14 | 0 | 0.02 | 05/02/22 | 0.4 | 04/27/22 | 225 | 195.99 | |
| UNK1166 | 34" | RCP | 8 Franzone Drive | City | 06/11/20 | 0.01 on 06/11/20 | Substantial | None | Clear | None | Clear | 831 | 62 | 6.5 | 1000 | 0.09 | 0 | 0.03 | 06/11/20 | 0.01 | 06/11/20 | | 461.1 | |
| UNK1177 | 48" | RCP | Franzone Drive | City | 06/11/20 | 0.01" on 06/11/20 | Substantial | None | Clear | None | Clear | 925 | 63 | 6.1 | 1000 | 0.1 | 0.15 | 0.01 | 06/11/20 | 0.01 | 06/11/20 | | 770.1 | |
| **Low Priority** | | | | | | | | | | | | | | | | | | | | | | | | |
| BZB0847 | 15" | RCP | Fermanagh Street | City | 05/02/22 | .4" on 04/27/22 | Trickle | None | Clear | None | None | 830 | 54 | 6.9 | 727 | 1.42 | 0 | 0 | 05/02/22 | 0.4 | 04/27/22 | 225 | 4874 | |
| MR20718 | 10" | RCP | 1 Water Street | City | 08/14/15 | 0.57" on 08/11/15 | No Information | None | None | None | None | 1000 | 78 | 7.99 | 2 | | 0 | 0 | 08/31/15 | 0.19 | 08/23/15 | | 556 | 631 |
| FBO0638 | 12" | RCP | Hilldale Avenue | City | 05/11/22 | .2" on 05/04/22 | No Flow | | | | | | | | | | | | | | | | | |
| PL1222 | 36" | RCP | West Gile Street | City | 05/11/22 | .2" on 05/04/22 | Substantial | None | None | None | None | 805 | 48 | 7.3 | 545 | 0.25 | 0.07 | 0 | 05/11/22 | 0.2 | 05/04/22 | 1325 | 2419.57 | |
| UNK0661 | 24" | RCP | Parkridge Road | City | 05/02/22 | .4" on 04/27/22 | Trickle | None | Clear | None | None | 910 | 48 | 6.4 | 1880 | 0 | 0 | 0 | 05/02/22 | 0.4 | 04/27/22 | 225 | 31.29 | |
| MR0982 | 18" | CLAY | 20 Back Lane | City | 05/11/22 | .2" on 05/04/22 | Trickle | None | None | None | None | 730 | 49 | 8.6 | 374 | 0.17 | 0 | 0 | 05/11/22 | 0.2 | 05/04/22 | 1325 | 12.11 | 6.2 |
| MR23912 | 8" | STEEL | 120 Merrimack Street | City | 05/10/22 | .2" on 05/04/22 | No Flow | | | | | | | | | | | | | | | | | |
| MR1140 | 15" | RCP | River Street | City | 11/04/21 | 1.9" on 10/31/21 | Trickle | None | None | Other | Cloudy | 1045 | 42.6 | 8.18 | 484 | 0 | 0 | | 11/13/14 | 0.06 | 11/07/14 | | 62.4 | |
| MR0834 | 48" | RCP | Merrimac River (Bradley Avenue) | City | 06/30/21 | .01" on 06/25/21 | No Flow | | | | | | | | | | | | | | | | | |
| MR0662 | 18" | RCP | Parkridge Road | City | 05/25/22 | 2" on 05/22/22 | Trickle | None | Clear | None | None | 845 | 54 | 7.3 | 1061 | 0.12 | 0 | 0.02 | 05/25/22 | 0.2 | 05/22/22 | | 0 | |
| LR0963 | 15" | HDPE | Alvanos Street | City | 06/07/22 | .1" on 06/03/22 | Trickle | None | Clear | None | None | 725 | 49 | 7.2 | 1146 | 0.12 | 0.07 | 0 | 06/07/22 | 0.1 | 06/03/22 | 915 | 23 | |

**Table 2-1 Prioritized List of Outfall Sub-Area Investigations**
**Based On Outfall Inspection Program**
**2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program**
**Summary of Water Quality Testing of Dry Weather Flow at MS4/CSO Outfalls**

| Outfall Information | | | | | Field Inspection Information | | Dry-Weather Flow Characteristics | | | | | Field Parameter Test Results | | | | | | | Coliform Laboratory Sampling/Analysis | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GIS Identifier | Diameter | Material | Outfall Location | Ownership | Date | Previous Rainfall Dates | Flow Description | Odor | Color | Floatables | Turbidity | Sample Time | Sample Temp (F) | pH | Conductivity | Ammonia (mg/l) | Surfactants (mg/l) | Chlorine (mg/l) | Sample Date for Bacteria | Previous Rainfall (inches) | Previous Rainfall (Date) | Previous Rainfall (End Time) | E. coli (MPN/ 100 ml) | Enterococc (MPN/ 100 |
| CB1198 | NA | RCP | Research Drive | City | 11/04/14 | 0.25" on 11/02/14 | Moderate | None | Clear | None | Clear | 1003 | 50.2 | 7.06 | 208 | 0 | 0.25 | | 11/13/14 | 0.06 | 11/07/14 | | 21.3 | |
| MR0770 | 36" | RCP | Merrimac River (River Street) | City | 09/23/14 | 0.36" on 09/21/14 | Trickle | None | Clear | None | Clear | 930 | 60.6 | 7.86 | 713 | 0 | 0.25 | | 09/30/14 | 0.01 | 09/29/14 | | 19.9 | |
| UNK1836 | 36" | RCP | Computer Drive | City | 05/25/22 | .2" on 05/22/2022 | Trickle | None | Clear | None | Clear | 800 | 51 | 7.06 | 6 | 0.155 | 0.06 | 0.05 | 05/25/22 | 0.2 | 05/22/22 | 2110 | 0 | |
| UNK1011 | 24" | RCP | Lake Street | City | 06/15/22 | .01" on 06/13/22 | Trickle | None | None | None | None | 815 | 61 | 8.2 | 1795 | 0 | 0 | 0 | 06/15/22 | 0.01 | 06/13/22 | 0045 | 8.52 | |
| UNK0627 | 15" | RCP | Haley Road | City | 05/21/15 | 0.07" on 05/19/15 | No Information | None | None | None | None | 840 | 64.5 | 6.82 | 791 | 0 | 0 | 0.25 | 05/22/15 | 0.07 | 05/19/15 | | 2 | |
| DPI0947 | 18" | RCP | 177 Brook Street | City | 06/15/22 | .01" on 06/13/22 | Trickle | None | None | None | None | 855 | 60 | 7.8 | 1144 | 0 | 0 | 0.02 | 06/15/22 | 0.01 | 06/13/22 | 0045 | 34.51 | |
| UNK1189 | NA | NA | Primrose Street (DPW) | City | 06/15/22 | .01" on 06/13/22 | No Flow | | | | | | | | | | | | | | | | | |
| TS0984 | 24" | RCP | Newton Road | City | 05/11/15 | 0.03" on 05/12/15 | Moderate | None | Brown | None | Slight Cloudiness | 1111 | 62.2 | 6.81 | 76 | 0 | 0 | 0.25 | 05/22/15 | 0.07 | 05/19/15 | | <1 | |
| TS0989 | 24" | RCP | Newton Road | City | 05/18/15 | 0.03" on 05/12/15 | Substantial | None | Clear | None | Slight Cloudiness | 1100 | 63.3 | 7.2 | 48 | 0 | 0 | 0.25 | 05/22/15 | 0.07 | 05/19/15 | | <1 | |
| UNK1750 | 24" | RCP | 36 Magnavista Drive | City | 05/18/15 | 0.03" on 05/12/15 | Trickle | None | None | None | None | 955 | 64.7 | 7.6 | 574 | 0 | 0 | 0.25 | 05/22/15 | 0.07 | 05/19/15 | | <1 | |
| UNK1040 | 24" | RCP | Gile Street | City | 11/04/21 | 1.9" on 10/31/21 | Trickle | None | None | None | None | 930 | 63.1 | 7.3 | 877 | 0 | 0 | 0 | 05/22/15 | 0.07 | 05/22/15 | | <1 | |
| UNK0902 | 40" | CMP | Shelley Road - Culvert | City | 11/04/21 | 1.9" on 10/31/21 | Moderate | None | Clear | None | Clear | | 62.6 | 7.02 | 1567 | 0 | 0 | 0 | | | | | | |
| DPO1007 | 54" | CMP | Kenilworth Lane | City | 05/19/21 | 44697 | No Flow | | | | | | | | | | | | | | | | | |
| UNK0848 | 18" | RCP | Woodrow Avenue | City | 09/09/20 | .1" on 09/03/20 | No Flow | | | | | | | | | | | | | | | | | |
| FB0723 | 18" | RCP | Hanna Ridge Road | City | 07/31/19 | 1.2" on 07/23/19 | Moderate | None | None | None | Clear | 923 | 76.6 | 7.77 | 440 | 0 | <0.05 | 0 | 07/31/19 | 1.2 | 07/23/19 | 1045 | 8.5 | |
| UNK0888 | NA | NA | West Lowell Street | City | 06/12/15 | 0.1" on 06/06/15 | Moderate | | | | | | | | | | | | | | | | | |
| UNK1188 | 32" | RCP | Primrose Street | City | 07/16/19 | 0.45" on 07/12/19 | Trickle | None | None | None | Clear | 930 | 73.9 | 7.48 | 855 | 0.5 | <0.05 | 0 | 07/16/19 | 0.45 | 07/12/19 | 2045 | 770.1 | |
| MR38714 | 6" | PVC | Parkridge Road - Stream Convey | City | 06/14/22 | .01" on 06/13/22 | No Flow | | | | | | | | | | | | | | | | | |
| MR38718 | 18" | RCP | Merrimack River | City | 09/26/19 | 0.01" on 09/23/19 | Trickle | None | None | None | Clear | 1013 | 68.1 | 8.01 | 509 | 0 | <0.05 | 0 | 09/29/19 | 0.01 | 09/23/19 | 2240 | >2400 | |
| UNK1011 | 24" | RCP | Lake Street | City | 06/15/22 | .01" on 06/13/22 | Trickle | None | None | None | None | 815 | 61 | 8.2 | 1795 | 0 | 0 | 0 | 06/15/22 | 0.01 | 06/13/22 | 0045 | 8.52 | |
| UNK0627 | 15" | RCP | Haley Road | City | 05/21/15 | 0.07" on 05/19/15 | No Information | None | None | None | None | 840 | 64.5 | 6.82 | 791 | 0 | 0 | 0.25 | 05/22/15 | 0.07 | 05/19/15 | | 2 | |
| DPI0947 | 18" | RCP | 177 Brook Street | City | 06/15/22 | .01" on 06/13/22 | Trickle | None | None | None | None | 855 | 60 | 7.8 | 1144 | 0 | 0 | 0.02 | 06/15/22 | 0.01 | 06/13/22 | 0045 | 34.51 | |
| LR39512 | 48" | RCP | Little River | City | 07/31/19 | 1.2" on 7/23/19 | No Flow | | | | | | | | | | | | | | | | | |

**NOTE:** Data exceeds one of the parameter thresholds that suggest it should be added to the IDDE program

Laboratory Sampling Dates in Red are the samples taken with less than 48 hours of dry weather.

**Table 2-2 Summary Of IDDE Investigations Of Systems With Potential Illicit Connections By Basin**

***(Based On Outfall Inspection Program)***

***2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program***

**IDDE Investigation Priorities**

| | | Current Report Period | | | | | | Completed to Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | January2026 - June 2026 | | | | | | Including this Reporting Period | | | |
| Basin ID | Outfall ID | Existing System Estimates | | Investigated | | | | Complete to Date | | | |
| | | Length of Pipe (ft) | Number of Manholes and Catch Basins | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed |
| **Buswell Brook** | BZB0847 | 1,697 | 24 | | | | | 1,697 | 100% | 24 | 100% |
| **Buswell Brook TOTAL** | | **1,697** | **24** | **0** | | **0** | | **1,697** | **100%** | **24** | **100%** |
| **Creek Brook** | CB1193 | 70 | 0 | | | | | 70 | 100% | | |
| | CB1198 | 144 | 5 | | | | | 144 | 100% | 5 | 100 |
| | CB1710 | 71 | 0 | | | | | 71 | 100% | | |
| **Creek Brook Outlet TOTAL** | | **285** | **5** | **0** | | **0** | | **285** | **100%** | **5** | **100%** |
| **Detention Pond Outlet** | DPO0657 | 422 | 7 | | | | | | | | |
| | DPO0696 | 61 | 2 | | | | | 61 | 100% | 2 | 100% |
| | DPO1079 | 37 | 0 | | | | | | | | |
| **Detention Pond Outlet TOTAL** | | **520** | **9** | **0** | | **0** | | **61** | **12%** | **2** | **22%** |
| **Detention Pond Inlet** | DPI0946 | 7,421 | 172 | | | | | 7,421 | 100% | 172 | 100% |
| | DPI0947 | 1,360 | 11 | | | | | | | | |
| | DPI0969 | 1,515 | 22 | | | | | | | | |
| | DPI1007 | 1,634 | 0 | | | | | | | | |
| | DPI1074 | 694 | 14 | | | | | | | | |
| | DPI1094 | 22 | 0 | | | | | 22 | 100% | | |
| **Detention Pond Inlet TOTAL** | | **12,646** | **219** | **0** | | **0** | | **7,443** | **59%** | **172** | **79%** |
| **Fishing Brook** | FBO0638 | 852 | 15 | | | | | 852 | 100% | 15 | 100% |
| **Fishing Brook TOTAL** | | **852** | **15** | **0** | | **0** | | **852** | **100%** | **15** | **100%** |
| **Frey's Pond** | FP7115 | 72 | 3 | | | | | 72 | 100% | 3 | 100% |
| **Frey's Pond TOTAL** | | **72** | **3** | **0** | | **0** | | **72** | **100%** | **3** | **100%** |
| **Johnston's Creek** | JC1028 | 1,397 | 12 | | | | | 1,397 | 100% | 12 | 100% |
| **Johnston's Creek TOTAL** | | **1,397** | **12** | **0** | | **0** | | **1,397** | **100%** | **12** | **100%** |

**Table 2-2 Summary Of IDDE Investigations Of Systems With Potential Illicit Connections By Basin**

***(Based On Outfall Inspection Program)***

***2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program***

**IDDE Investigation Priorities**

| | | Current Report Period | | | | | | Completed to Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | January2026 - June 2026 | | | | | | Including this Reporting Period | | | |
| Basin ID | Outfall ID | Existing System Estimates | | Investigated | | | | Complete to Date | | | |
| | | Length of Pipe (ft) | Number of Manholes and Catch Basins | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed |
| | | | | | | | | | | | |
| **Little River** | LR0952 | 7,268 | 88 | | | | | 7,268 | 100% | 88 | 100% |
| | LR0963 | 703 | 11 | | | | | | | | |
| | LR0993 | 539 | 4 | | | | | 539 | 100% | 4 | 100% |
| | LR0995 | 822 | 0 | | | | | | | | |
| | LR1103 | 4,418 | 4 | | | | | 4,418 | 100% | 4 | 100% |
| | LR1260[1] | 26,134 | 614 | | | | | 26,134 | 100% | 622 | 100% |
| **Little River TOTAL** | | **39,884** | **721** | **0** | | **0** | | **38,359** | **96%** | **718** | **100%** |
| **Merrimack River** | MR0662 | 210 | 5 | | | | | | | | |
| | MR0770 | 2,980 | 47 | | | | | | | | |
| | MR0834 | 756 | 8 | | | | | 756 | 100% | 8 | 100% |
| | MR0982 | 128 | 10 | | | | | 128 | 100% | 10 | 100% |
| | MR1109 | 941 | 12 | | | | | 941 | 100% | 12 | 100% |
| | MR1138 | 289 | 18 | | | | | 289 | 100% | 18 | 100% |
| | MR1140 | 90 | 2 | | | | | | | | |
| | MR1141[2] | 3,899 | 104 | | | | | 3,899 | 100% | 104 | 100% |
| | MR1164 | 1,746 | 116 | | | | | 1,746 | 100% | 116 | 100% |
| | MR20718 | NA | | | | | | | | | |
| | MR23912 | 0 | 1 | | | | | | | | |
| | MR38718 | 1,713 | 30 | | | | | 1,713 | 100% | 30 | 100% |
| | MR24314 | 541 | 24 | | | | | 541 | 100% | 24 | 100% |
| **Merrimack River TOTAL** | | **13,293** | **377** | **0** | | **0** | | **10,013** | **75%** | **322** | **85%** |
| **Pentucket Lake** | PL0891 | 5,463 | 128 | | | | | 5,463 | 100% | 128 | 100% |
| | PL1222[1] | 3,292 | 102 | | | | | 3,292 | 100% | 102 | 100% |
| **Pentucket Lake TOTAL** | | **8,755** | **230** | **0** | | **0** | | **8,755** | **100%** | **230** | **100%** |
| **Tilton Swamp** | TS0984 | 52 | 1 | | | | | 52 | 100% | 1 | 100% |

**Table 2-2 Summary Of IDDE Investigations Of Systems With Potential Illicit Connections By Basin**

***(Based On Outfall Inspection Program)***

***2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program***

**IDDE Investigation Priorities**

| | | Current Report Period | | | | | | Completed to Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | January2026 - June 2026 | | | | | | Including this Reporting Period | | | |
| Basin ID | Outfall ID | Existing System Estimates | | Investigated | | | | Complete to Date | | | |
| | | Length of Pipe (ft) | Number of Manholes and Catch Basins | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed | Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed |
| | TS0989 | 3,893 | 47 | | | | | | | | |
| **Tilton Swamp** | | **3,945** | **48** | **0** | | **0** | | **52** | **1%** | **1** | **2%** |
| **Unknown** | UNK0627 | 254 | 8 | | | | | | | | |
| | UNK0661 | 410 | 11 | | | | | 410 | 100% | 11 | 100% |
| | UNK0668 | 854 | 18 | | | | | | | | |
| | UNK0788 | 869 | 16 | | | | | 869 | 100% | 16 | 100% |
| | UNK0836 | 842 | 12 | | | | | | | | |
| | UNK0883 | 570 | 7 | | | | | | | | |
| | UNK0898 | 91 | 0 | | | | | 91 | 100% | | |
| | UNK0902 | 54 | 2 | | | | | | | | |
| | UNK0951 | 1,910 | 34 | | | | | 1,910 | 100% | 34 | 100% |
| | UNK0953 | 225 | 0 | | | | | 225 | 100% | | |
| | UNK0954 | 81 | 0 | | | | | 81 | 100% | | |
| | UNK0955 | 6,058 | 146 | | | | | 6,058 | 100% | 146 | 100% |
| | UNK1011 | 5306 | 44 | | | | | | | | |
| | UNK1020 | 71 | 2 | | | | | | | | |
| | UNK1040 | 1414 | 21 | | | | | | | | |
| | UNK1063 | 49 | 0 | | | | | | | | |
| | UNK1166 | 1,079 | 28 | | | | | 1,079 | 100% | 28 | 100% |
| | UNK1177 | 156 | 3 | | | | | 156 | 100% | 3 | 100% |
| | UNK1188 | 25,926 | 470 | | | | | 25,926 | 100% | 470 | 100% |
| | UNK1189 | 2,043 | 17 | | | | | 2,043 | 100% | 17 | 100% |
| | UNK1680 | 719 | 8 | | | | | | | | |
| | UNK1750 | 1,239 | 23 | | | | | 1,239 | 100% | 23 | 100% |
| **Unknown** | UNK1767 | 2,077 | 52 | | | | | 2,077 | 100% | 52 | 100% |
| | UNK1835 | 761 | 10 | | | | | 761 | 100% | 10 | 100% |
| | UNK1836 | 1179 | 22 | | | | | | | | |

**Table 2-2 Summary Of IDDE Investigations Of Systems With Potential Illicit Connections By Basin**

***(Based On Outfall Inspection Program)***

***2014-2026 Dry-Weather MS4/Stormwater Outfall Inspection Program***

**IDDE Investigation Priorities**

| | | Current Report Period | | | | | | Completed to Date | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | January2026 - June 2026 | | | | | | Including this Reporting Period | | | |
| Basin ID | Outfall ID | Existing System Estimates Length of Pipe (ft) | Number of Manholes and Catch Basins | Investigated Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed | Complete to Date Length of Pipe (ft) | Percent Completed | Number of Manholes and Catch Basins | Percent Completed |
| | UNK1886 | 20 | 0 | | | | | 20 | 100% | | |
| | UNK1887 | 20 | 0 | | | | | 20 | 100% | | |
| | UNK1888 | 21 | 0 | | | | | 21 | 100% | | |
| | UNK1889 | 21 | 0 | | | | | 21 | 100% | | |
| **Unknown TOTAL** | | **54,319** | **954** | **0** | | **0** | | **43,007** | **79%** | **810** | **85%** |
| **West Meadow Brook** | WMB0738 | 80 | 0 | | | | | 80 | 100% | | |
| | WMB0739 | 80 | 0 | | | | | 80 | 100% | | |
| | WMB0740 | 82 | 0 | | | | | 82 | 100% | | |
| | WMB0759 | 20 | 0 | | | | | 20 | 100% | | |
| **West Meadow Brook TOTAL** | | **262** | **0** | | | | | **262** | **100%** | | |
| **GRAND TOTAL** | | **137,927** | **2,617** | **0** | | **0** | | **112,255** | **81%** | **2,314** | **88%** |
| | | **26.12mi.** | | **0.00mi.** | | | | **21.26mi.** | | | |

[1] **Estimate Base upon Percentage of Manholes Inspected**

[2] **Catchment includes State owned drainage and outfall. City inspected City owned drainage.**

| Outfall Maintenance Priority Table July 2026 through December 2026 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| **Outfall ID** | **Work Order Number** | **High Priority** | | **Medium Priority** | **Low Priority** | | | | | **Inspection Date** | **Re-Inspection Date** |
| | | **Could Not Locate** | **Buried** | **Fully Submerged in Sediment** | **Partially Submerged in Sediment** | **Fully Submerged in Water** | **Partially Submerged in Water** | **Abnormal Vegetation** | **Outfall Damage** | | |
| MR1224 | ST00000540 | X | X | | | | | X | UNK | | 24-Jun |
| UNK0888 | ST00000478 | | X | | | | | | UNK | 19-Mar | 24-Jun |
| UNK0889 | ST00000554 | | X | | | | | | UNK | 18-Aug | 24-Jun |
| UNK0905 | ST00000556 | | X | | | | | | UNK | 18-Aug | 24-Jun |
| UNK0997 | ST00000560 | X | X | | | | | | UNK | 18-Aug | 25-Jun |
| UNK1207 | STI0001312 | X | X | | | | | | UNK | 19-Mar | 25-Jun |
| UNK1221 | ST00000568 | X | X | | | | | | UNK | 18-Aug | 25-Jun |
| UNK35912 | STI0001314 | | X | | | X | | | UNK | 18-Aug | 25-Jun |
| UNK1773 | ST00000575 | X | X | | | | | | | 19-Mar | 26-Jul |
| UNK1774 | ST00000576 | | X | | X | | | | | 18-Aug | 26-Jul |
| CB1196 | ST00000510 | | X | X | | | | X | UNK | 19-Mar | 25-Jun |
| DPI0655 | ST00000514 | | | X | | | | | | 19-Mar | |
| DPI1008 | ST00000520 | | | X | | | | | | 19-Apr | |
| DPO1154 | ST00000524 | | | X | | | | | | 19-Mar | |
| JP1179 | ST00000530 | | X | X | | | | X | UNK | 19-Apr | 25-Jun |
| LR0844 | ST00000083 | X | | X | | | | | | 19-Mar | 26-Jul |
| LR1118 | ST00001283 | | X | X | | | | | | 19-Mar | 26-Jul |
| MR1278 | ST00000541 | X | | | | | X | | | 19-Apr | 26-Jul |
| MR24329 | ST00000544 | X | | | | | X | | | 19-Apr | 26-Jul |
| SB11512 | ST00000545 | | | X | | | | | | 18-Aug | 26-Jul |
| TS0987 | ST00000548 | X | | | | | | | | 19-Mar | 26-Jul |
| UNK0064 | ST00000551 | X | | | | | | X | | 19-Apr | 26-Jul |
| UNK0782 | ST00000553 | | | X | | | | | | 19-Mar | |
| UNK0935 | ST00000558 | X | X | X | | | | | | 19-Mar | 26-Jul |
| UNK1017 | ST00000561 | X | | X | | | | X | | 19-Mar | 26-Jul |
| UNK1076 | ST00000563 | X | | | | | | | | 19-Mar | 26-Jul |
| UNK1137 | ST00000564 | | | X | | | | | | 19-Mar | 26-Jul |
| UNK1183 | ST00000566 | | | X | | | | | | 19-Mar | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UNK1748 | ST00000573 | | | X | | | | | | 19-Mar | |
| UNK1772 | ST00000574 | | | X | | | | | | 19-Mar | |
| UNK1906 | ST00000580 | | | X | | | | | | 19-Mar | |
| UNK25513 | ST00000583 | | | X | | | | | | 19-Mar | |
| UNK31513 | ST00000584 | | | X | | | | | | 19-Mar | |
| CL0701 | ST00000603 | | | | X | | | | | 19-Apr | |
| DPI0634 | ST00000606 | | | | X | | | | | 19-Apr | |
| DPI1081 | ST00000615 | | | | X | | | | | | |
| DPI1090 | ST00000617 | | | | X | | | | | 19-Apr | |
| FB7114 | ST00000629 | | | | X | | | | | 19-Apr | |
| LR0931 | ST00000635 | | | | X | | | | | 19-Apr | |
| LR1099 | ST00000636 | | | | X | | | | | 19-Apr | |
| LR1102 | ST00000637 | | | | X | | | | | 19-Apr | |
| MR23513 | ST00000650 | | | | X | | | | | 21-Aug | |
| MR23514 | ST00000651 | | | | X | | | | | | |
| MR23516 | ST00000653 | | | | X | | | | | | |
| MR23517 | ST00000654 | | | | X | | | | | | |
| MR23518 | ST00000655 | | | | X | | | | | | |
| MR23519 | ST00000656 | | | | X | | | | | | |
| MR23523 | ST00000660 | | | | X | | | | | | |
| MR23524 | ST00000661 | | | | X | | | | | | |
| MR23525 | ST00000662 | | | | X | | | | | | |
| MR24316 | ST00000663 | | | | X | | | | | 19-Apr | |
| MR24318 | ST00000664 | | | | X | | | | | | |
| MR24718 | ST00000665 | | | | X | | | | | 19-Apr | |
| SB1117 | ST00000668 | | | | X | | | | | 19-Apr | |
| UNK0885 | ST00000701 | | | | X | | | | | 19-Apr | |
| UNK0950 | ST00000706 | | | | X | | | | | 19-Apr | |
| UNK1000 | ST00000710 | | | | X | | | | | 19-Apr | |
| UNK1005 | ST00000711 | | | | X | | | | | 19-Apr | |
| UNK1006 | ST00000712 | | | | X | | | | | 19-Apr | |
| UNK1111 | ST00000717 | | | | X | | | | | 19-Apr | |
| UNK1123 | ST00000718 | | | | X | | | | | 19-Apr | |
| UNK1160 | ST00000722 | | | | X | | | | | 19-Apr | |
| UNK1174 | ST00000726 | | | | X | | | | | 19-Apr | |
| UNK1205 | ST00000732 | | | | X | | | | | 19-Apr | |
| UNK1213 | ST00000734 | | | | X | | | | | 19-Apr | |
| UNK1263 | ST00000736 | | | | X | | | | | 19-Apr | |
| UNK1265 | ST00000737 | | | | X | | | | | 19-Apr | |
| UNK1684 | ST00000742 | | | | X | | | | | 19-Apr | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UNK1686 | ST00000744 | | | | X | | | | | 19-Jul | |
| UNK1738 | ST00000751 | | | | X | | | | | 21-May | |
| UNK1802 | ST00000759 | | | | X | | | | | 19-Jul | |
| UNK1867 | ST00000770 | | | | X | | | | | | |
| UNK1891 | ST00000773 | | | | X | | | | | 19-Apr | |
| UNK1899 | ST00000775 | | | | X | | | | | 19-Jul | |
| UNK1900 | ST00000776 | | | | X | | | | | 19-Jul | |
| UNK24721 | ST00000780 | | | | X | | | | | 19-Aug | |
| UNK26725 | ST00001286 | | | | X | | | | | 19-May | |
| UNK26726 | ST00000784 | | | | X | | | | | | |
| CB0977 | ST00001288 | | | | | | | X | | | |
| DPO0657 | ST00001291 | | | | | | | X | | 19-May | |
| FB0715 | ST00001293 | | | | | | | X | | | |
| UNK0906 | ST00001294 | | | | | | | X | | | |
| DPI0945 | ST00000519 | | | | | X | | | | 19-May | |
| DPI1133 | ST00000522 | | | | | X | | | | 19-May | |
| MR20719 | ST00000542 | | | | | X | | | | | |
| TS0989 | ST00000549 | | | | | X | | | | 19-Apr | |
| KL26714 | ST00000533 | | | | | X | | | | | |
| DPI0970 | ST00000610 | | | | | | X | | | | |
| DPI1007 | ST00000614 | | | | | | X | | | | |
| DPI1084 | ST00000616 | | | | | | X | | | | |
| DPI1125 | ST00000618 | | | | | | X | | | | |
| DPI1197 | ST00001299 | | | | | | X | | | | |
| KL1178 | ST00000633 | | | | | | X | | | 19-Apr | |
| LR1260 | ST00000642 | | | | | | X | | | | |
| TS0984 | ST00000670 | | | | | | X | | | 19-Apr | |
| TS33514 | ST00000673 | | | | | | X | | | 19-Apr | |
| UNK0665 | ST00000678 | | | | | | X | | | 19-May | |
| UNK0666 | ST00000679 | | | | | | X | | | 19-May | |
| UNK0729 | ST00000689 | | | | | | X | | | | |
| UNK0955 | ST00000708 | | | | | | X | | | | |
| FB1168 | ST00000723 | | | | | | X | | | | |
| UNK1176 | ST00000728 | | | | | | X | | | 19-Jul | |
| UNK1188 | ST00001301 | | | | | | X | | | 19-Apr | |
| UNK1206 | ST00000733 | | | | | | X | | | 19-May | |
| UNK1220 | ST00000735 | | | | | | X | | | | |
| UNK1695 | ST00000745 | | | | | | X | | | 19-Apr | |
| UNK1749 | ST00000752 | | | | | | X | | | 19-Apr | |
| UNK6316 | ST00001303 | | | | | | X | | | 19-May | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| UNK8312 | ST00000797 | | | | | | X | | | | |
| MR0607 | ST00001305 | | | | | | | | X | 19-May | |
| TS0983 | ST00001307 | | | | | | | | X | 19-Apr | |
| UNK1173 | ST00001308 | | | | | | | | X | | |
| MR0927 | ST00001309 | | | | | | | | | | |
| UNK1189 | ST00001310 | | | | | | | | | | |
| Unknown Ownership Outfalls | | | | | | | | | | | |
| Inspection dates in blue indicate an item has been closed | | | | | | | | | | | |
| Inspection dates in Orange indicate needing future work | | | | | | | | | | | |

## 2.3 Identified Illicit Connections And Current Priority List Status Resolution

The ongoing and cumulative status of the City's efforts to remove any identified illicit connections or discharges is summarized in Table 2-4.

Merrimack River Basin Outfalls – MR1164 has been removed from the priority list as it is seasonal groundwater flow from top of catchment.

Little River Basin Outfalls – LR0952 has been removed from the priority list as it is connected to athletic field drainage and is considered an excluded outfall. Upstream investigation showed no flow from catchment not originating from athletic field drainage.

Unknown Basin Outfalls - UNK0951– has been removed from the priority list as it is connected to athletic field drainage and is considered an excluded outfall. UNK1020 was removed from the priority list as sampling results were within acceptable permit limits. UNK1680 was removed from the priority list for no flow.

Pentucket Lake Basin Outfalls – PL0891 was sampled for wet weather flows and sample results are shown on table 2-1.

Detention Pond Inlets Outfalls – DPI0696 was removed from the priority list as it is connected to athletic field drainage and is considered an excluded outfall.

Table 2-3 **Summary Of Illicit Discharges Identified By Basin And Current Status (January through June 2026)**

| Description | | Illicit Discharge/Connection Verified | | | | Ongoing Illicit Discharge Removal Activities | | | | | Final Illicit Connection Removal Actions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basin ID | Outfall ID | Date Verified | Address Location | Type of Discharge[1] | Estimated Flow | Removed? | Reasons Why Not | Schedule for Removal | Reason why expedited | Legal Actions against Private Property Owners | Actions Taken (with Dates) | Date Connection Eliminated | Est. Cost of Removal | Estimated Volume Removed (gallons) | Assessment: Is the City in compliance with the schedule? |
| Little River | LR1260 | 10/26/2017 | 29 Union Street | Single family broken sewer | 400 gpd | not removed | gave extension | Was removed on 2/24/18 | | | Catchment investigation completed on 10/10/2020. City currently conducting sewer separation project | | | 60,000 | |
| Merrimack River | MR1164 | 11/19/2016 | Market Basket Parking Lot | groundwater into drain | Seasonal Flow/ Not able to estimate | N/A | N/A | N/A | N/A | N/A | This dry weather flow appears to be from a groundwater discharge into the drainage system across a parking lot. Additional testing is required to confirm that bacteria source is groundwater. | N/A | N/A | N/A | Yes, the City is in compliance with resolving this "illicit discharge". |
| | MR1109 | 12/21/2020 | 350 Water St | IDDE conducted and needs further investigation to determine the source. | 500gpd | not removed | verifying bacteria counts | | | | CCTV conducted on 12.21.2020 no defects were found. Flow appears to be from top of catchment from depression/wetland flowing through drain. Additional CCTV required in nearby sewer lines to confirm no infiltration | | | | Yes, the City is in compliance |

| Description | | Illicit Discharge/Connection Verified | | | | Ongoing Illicit Discharge Removal Activities | | | | | Final Illicit Connection Removal Actions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basin ID | Outfall ID | Date Verified | Address Location | Type of Discharge[1] | Estimated Flow | Removed? | Reasons Why Not | Schedule for Removal | Reason why expedited | Legal Actions against Private Property Owners | Actions Taken (with Dates) | Date Connection Eliminated | Est. Cost of Removal | Estimated Volume Removed (gallons) | Assessment: Is the City in compliance with the schedule? |
| Pentucket Lake | PL0891 | 10/5/2016 | Marsh Avenue | leaking sewer/ exfiltration | Not able to estimate | X | Sewer replacement costs/lengths are extensive; cost exceeds discretionary funds; new fund required in next fiscal year to complete project | 2021 | This connection is being removed as quickly as possible and dependent on the availability of funds within the fiscal year. | NOV | 10/5/18-10/10/18: SMH-2190-point repair and manhole rehabilitation complete.<br><br>10/11/18-10/16/18: Installation of CIPP main line liner on Main Street<br><br>10/17/18-10/23/18: Installation of CIPP main line liner on Marsh Avenue<br><br>10/24/18: Began installing CIPP of sewer laterals. Groundwater is too high causing flooding in homes. Project on hold until mid-end March. Project is complete.<br>6/9/2020: illicit connection located at lateral from laundromat, owner notified to repair, repaired as of December 2021, follow-up testing to be completed next reporting period | Dec-21 | $446,000 | - | The Marsh Avenue sewer repair project was bid on and awarded to National Water Main Cleaning Company and contract had to be extended to 6/30/19 due to high groundwater.<br><br>Project was completed by the end of June 2019 but after review of CCTV, it was determined that more CCTV needs to be conducted and 1 defect in lining needs to be repaired. |

| Description | | Illicit Discharge/Connection Verified | | | | Ongoing Illicit Discharge Removal Activities | | | | | Final Illicit Connection Removal Actions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basin ID | Outfall ID | Date Verified | Address Location | Type of Discharge[1] | Estimated Flow | Removed? | Reasons Why Not | Schedule for Removal | Reason why expedited | Legal Actions against Private Property Owners | Actions Taken (with Dates) | Date Connection Eliminated | Est. Cost of Removal | Estimated Volume Removed (gallons) | Assessment: Is the City in compliance with the schedule? |
| | UNK0951 | 11/1/2017 | Brook Street | Leaking sewer running through drain | Not able to estimate | not removed | Not able to fix due to weather | As soon as weather permits | - | - | Catchment investigation shows flow originating from upstream athletic field drainage | 4/17/2018 | $4,277 | - | Yes, the City is in compliance |
| | UNK0955 | 10/14/2016 | South Main Street | Contaminated private line discharges to City line. | Not able to estimate | not removed | Unable to complete investigation due to weather | As soon as weather permits | | | Drain manholes will be exposed and CCTV'd when weather permits to identify source of illicit flow. CCTV conducted showing no infiltration from shopping plaza, additional CCTV will continue in upcoming reporting period. | | | | |
| | UNK1166 | 6/11/2020 | Franzone Drive | Upstream contamination needs additional IDDE | 10gpm est | not removed | CCTV to be completed in next reporting period | | | | | | | | |
| | UNK1188 | 12/25/2012 | 34 Columbia Park., 66 Columbia Park., 74 Columbia Park., 80 Columbia Park., 90-92 Columbia Park. | 5 Single family | N/A | N/A | N/A | N/A | N/A | N/A | 5-house sewer services through a drainpipe that were dripping. Install a PVC sleeve through drain | 6/8/2016 | $13,000 | 26,481 | The City is in compliance. 60-day deadline was not applicable until November 2016. |
| | UNK1767 | 6/23/2020 | Tudor Ct | IDDE conducted. | N/A | not removed | CCTV to be completed in | | | | | | | | |

| Description | | Illicit Discharge/Connection Verified | | | | Ongoing Illicit Discharge Removal Activities | | | | | Final Illicit Connection Removal Actions | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Basin ID | Outfall ID | Date Verified | Address Location | Type of Discharge[1] | Estimated Flow | Removed? | Reasons Why Not | Schedule for Removal | Reason why expedited | Legal Actions against Private Property Owners | Actions Taken (with Dates) | Date Connection Eliminated | Est. Cost of Removal | Estimated Volume Removed (gallons) | Assessment: Is the City in compliance with the schedule? |
| | | | | CCTV needs to be completed. High ammonia from private pipe. Dye tested home and their waste goes to sewer. | | | next reporting period | | | | | | | | |
| Detention Pond Outlet | DPO0696 | 6/12/2015 | Pamela Lane | Private drain and outfall DPI0697 that discharge to detention pond and not contaminated. | Not able to estimate | N/A | N/A | N/A | N/A | N/A | No Flow present on multiple inspections in 2020. City will continue to monitor for dry weather flow | N/A | N/A | N/A | Yes, the City is in compliance |
| | | | | | | | | | | | Grand Total = | | $463,277 | 86,481 | |

# SECTION 3 SSO & BUILDING/PRIVATE PARTY BACKUP EVENTS

## 3.1 SSO Activity

A chronological list of the sanitary sewer overflows (SSO) and building/private party backup events that occurred during this Reporting Period, are listed in Table 3-1.

Over the Reporting Period, there was a total of seven reportable SSO events associated with the City's sewer collection system.

It is important to note that the SSO's associated with the City collection system operations continue to not be a result of pipe capacity deficiencies and the City continues to make progress in reducing the number of SSOs that occur in the system, which are attributed to City operations. For this six-month reporting period, the City had seven SSOs that were directly attributable to unanticipated City collection system conditions. The EPA reported annual average SSOs in a typical nationwide system is about four SSOs per 100 miles. The City currently has approximately 201 miles of sewer.

## Table 3-1 Sanitary Sewer Overflow

| CITYWORKS WORK ORDER | 34209 | 34636 | 35031 | 36328 | | |
|---|---|---|---|---|---|---|
| SSO ID | SSO-26-01 | SSO-26-02 | SSO-26-05 | SSO-26-06 | SSO-26-07 | SSO-26-08 |
| SSO ADDRESS | 2 Forest Acres | Dexter Street SMH-2118 | 17 Parkridge Road | 125 Concord Street | 37 Garden Street | 98 South Kimball Street |
| START DATE/TIME | 2/13/2026 7:30 | 3/17/202612:40 | 4/10/2026 11:15 | 6/11/2026 1:49 | 6/25/2026 12:30 | 6/26/2026 21:00 |
| END DATE/TIME | 2/13/2026 11:00 | 3/17/202612:40 | 4/10/2026 12:05 | 6/11/2026 1:56 | 6/25/2026 12:35 | 6/26/2026 12:00 |
| DATE REPORTED EPA/DEP | 2/13/2026 17:00 | 3/17/2026 14:30 | 4/11/2026 9:30 | 6/12/2026 13:00 | 6/26/2026 10:00 | 7/1/2026 10:15 |
| WHO NOTIFIED | Isaiah Lewis | Paul Jessel | Isaiah Lewis | Isaiah Lewis | Isaiah Lewis | Isaiah Lewis |
| REASON FOR OCCURRENCE | Sewer main block | Lining Co release the sewer plug too quickly | Sewer main block | Sewer main block | City's contractor connected by pas pump into a DMH | Broken Force main |
| DATE OF LAST SSO OCCURRENCE | First Occurrence | First Occurrence | First Occurrence | First Occurrence | First Occurrence | First Occurrence |
| SSO EST. VOL. | 15 | 100 | 1000 | 50 | 60000 | 34,500,000 |
| RECEIVING WATERS IF SEWERAGE ENTERED | NONE | NONE | NONE | NONE | Little River | Merrimack River |
| METHOD Used TO ESTIMATE VOLUME | Visual | Visual | Visual | Visual | Calculated | Avg daily Flow |
| NEAREST CB LOCATION ID | CB-9027 | CB-2342 | NA | CB-68 | DMH-9802 | NA |
| DISTANCE TO NEAREST CB (FT.) | 40 | 510 | NA | 174 | NA | NA |
| NAME OF RECEIVE WATER WHETHER OR NOT THERE WAS A RELEASE | NA | NA | NA | NA | Little River | Merrimack River |
| ENTERED CB YES OR NO | YES | YES | NO | NO | DMH | NA |
| MEASURED TAKEN STOP SSO | Flushed sewer main | Sewerage contain in CB disinfected CB | Flushed sewer main | Flushed sewer main | Contractor was told to stop pumping into the DMH | Setup bypass pumps |
| DECONTAMINATE | YES | YES | YES | YES | NA | YES |
| MEASURED TAKEN TO PREVENT FUTURE OVERFLOWS | currently on a quarterly PM | Spoke to lining contractor not to release the sewer plug too quickly | CCTV main | CCTV main | Instruct the contractor to request the correct location before they discharge | Construction dual force main |
| SEWERAGE LOCATION INTO STREAM | NO | NO | NO | NO | YES | NO |
| SSO OWNERSHIP CITY OR PRIVATE | CITY | CITY | CITY | CITY | CITY | CITY |

# SECTION 4 CONSTRUCTION SITE INSPECTION AND ENFORCEMENT PROGRAM

## 4.1 Enforcement Activity

At its June 26, 2018, meeting, the Haverhill City Council adopted the Pre- and Post-Construction Stormwater Management Ordinance (Chapter 219) in accordance with the City's Consent Decree and MS4 Stormwater Permit requirements. Revisions to the Ordinance were approved by the City Council on December 3, 2024, to ensure compliance with current MS4 requirements. The Ordinance maintains an exemption pathway from the Stormwater Management Permit; however, applicants must first demonstrate full compliance with the Ordinance through another formal permitting process, such as review by the Conservation Commission, Planning Board, or City Council.

Site plans for a multifamily residential development proposed at 931 Boston Road (SWM-26-1) remain under review, with CEI serving as the City's peer review consultant. Under the City's MS4 Ordinance, applicants may demonstrate compliance through the Notice of Intent (NOI) review process before the Conservation Commission. During this reporting period, the Commission reviewed a proposal for the residential redevelopment of a former restaurant site at 85 Water Street (#33-1581), located along the Merrimack River. The Commission also reviewed NOIs for an athletic facility redevelopment at Northern Essex Community College (#33-1594) and a golf course clubhouse and parking project at Crystal Lake Golf Club (#33-1595). Review of the Crystal Lake Golf Club project remains ongoing.

City staff continue to conduct routine inspections and review required reports from permitted construction sites. Site control at Sylvan Hill Crossing (SWM-21-1) has improved substantially since its initial construction season. Michael Anthony Way (SWM-23-1) is nearing completion, with staff focused on the eventual transfer of stormwater system maintenance responsibilities to the homeowners' association (HOA). Construction of the new Consentino School (SWM-24-1) is complete, and site activities are transitioning to demolition of the existing school building and construction of remaining site amenities, including parking areas and ballfields. Work continues at the National Grid gas facility on North Avenue (SWM-24-5), where reporting and responsiveness have remained reliable.

During this reporting period, the City received partial as-built plans for the following projects:

- **#33-1509:** Hilldale Avenue contractor units
- **#33-1558:** Lucy Way residential subdivision
- **#33-1575:** Avco Road industrial addition
- **#33-1578:** Emma Rose Circle residential subdivision
- **SWM-24-1:** Consentino public school

The City also received complete as-built plans for the following projects:

- **#33-1504:** Lowell Avenue hotel
- **#33-1525:** Newark Street industrial building
- **#33-1538:** Creek Brook Drive industrial building
- **#33-1566:** Main Street commercial car wash
- **#33-1580:** Hilldale Avenue tractor-trailer storage facility

The City has increased its review of development proposals for compliance with the Development Review performance standards established in the Zoning Code. This effort focuses on ensuring compliance with landscaping standards that help reduce stormwater runoff and stormwater management standards that require improved runoff management for smaller sites, including those less than one acre. Particular attention is directed toward redevelopment projects that provide opportunities to incorporate improved stormwater management practices and design features.

Through continued ordinance implementation, development review, construction-site inspections, reporting oversight, and review of as-built plans, the City continues to support effective construction stormwater runoff control and compliance with its Consent Decree and MS4 permit requirements.

# SECTION 5 GENERAL STATUS

## 5.1 Introduction

This section summarizes the actions taken by the City of Haverhill to achieve Consent Decree compliance within this Reporting Period.

For this reporting period there was one deliverable and/or activities due within that timeframe to achieve compliance. The deliverable/activity is shown in Table 5-1 below.

**Phase I Locke Street Combined Sewer Separation Project**

The City's contractor, DeFelice, has been installing water and drain infrastructure and performing sewer main repairs. The total contract value is $12.7 million, with $2.9 million in billable costs incurred during this reporting period. This represents approximately 23% of the total contract value.

During construction, a fiber-optic cable was discovered to be in conflict with the proposed pipe-jacking outlet structure, requiring relocation. This unforeseen utility conflict has delayed the pipe-jacking work beneath the railroad tracks and resulted in additional costs to the City.

**Phase II Locke Street Combined Sewer Separation Project**

N. Granese was awarded the CSO Phase II construction contract with a bid price of $14.8 million. Construction is anticipated to begin in October 2026.

**WWTP Upgrade**

Wright-Pierce Completed the City's Water Pollution Abatement Facility's Rehabilitation and Upgrade Project Evaluation in February of 2023. Preliminary design was completed in early 2025. Final Design continued throughout this reporting period. 90% design is expected by October of 2026 at an estimated cost of $3.5 million. Preliminary cost estimate for the upgrade is approximately $70 million.

The scope of work consists of:

- Aeration System Upgrade: new Blower Building housing new aeration blowers; 3-stage anaerobic selectors, selector zone mixers, and new fine bubble diffused aeration system in all three aeration tanks.

- RAS System Upgrade: increased RAS pumping capacity with four new RAS pumps and variable frequency drives, RAS piping and flow meters within the Activated Sludge and Plant Water Pump Station (ASPWPS), new RAS piping within the existing valve vault and aeration tanks, and improved RAS flow splitting capabilities.
- Electrical Upgrade: new facility-wide standby power generators, new electrical service, and distribution switch gear (housed in the new Blower Building Electrical Room), new power feeds to the ASPWPS and to the Process Building.
- Plant Water Upgrade: new plant water pumps, variable frequency drives and strainer within the ASPWPS, new froth spray piping in the aeration tanks.
- HVAC Upgrades including new boilers, steam piping and ventilation fans.
- Locker room renovations, shop floor rehabilitation and replacement of all the windows and translucent panels in the Building.
- Replacement of the pump discharge piping at the South Mill Street Pump Station. Piping replacement includes costs for bypass pumping, force main isolation valve and line stop to accommodate piping replacement as there is no means to isolate the discharge header pipe.
- Construction of a new 3-bay Vehicle Storage Building including an office and bathroom.
- Rehabilitation of the existing woodchip biofilter that serves the Aerated Grit Facility.

**Table 5-1 Table Submissions Within Current Reporting Period**

| Part | Activity | Due Date | Submittal Date |
|---|---|---|---|
| **Effective Date of Consent Decree (11/10/2016)** | | | |
| **IX** | **Compliance Reporting** | | |
| | Semi Annual Compliance Report | 4/30/2026 | 4/30/2026 |

## 5.2 Issues Of Noncompliance

The City is in compliance with the requirements of the Consent Decree.

## 5.3 Looking Ahead - Six-Month Forecast

The anticipated future deliverable required under the Consent Decree for the next Reporting Period, July through December 2026, is shown in Table 5-2.

**Table 5-2 Deliverables During The Next Reporting Period (**July to December 2026)

| Part | Activity | Trigger Event | # Days Due *Post Trigger Event* | Due Dates |
|---|---|---|---|---|
| **Effective Date of Consent Decree** | | **11/10/16** | | |
| IX | Compliance Reporting | | | |
| | Compliance Report No. 21 | 12/31/26 | 120 | 04/30/27 |

# SECTION 6 SECONDARY TREATMENT BYPASS

## 6.1 Introduction

The intent of this section is to summarize the secondary treatment bypass events that occurred at the City of Haverhill's Water Pollution Abatement Facility during the reporting period, January through June 2026.

## 6.2 Bypass Events

There were no secondary treatment bypass events that occurred during the reporting period.

# SECTION 7 CMOM CORRECTIVE ACTION PLAN

## 7.1 Introduction

Pursuant to the Consent Decree, the City of Haverhill submitted the Capacity, Management, Operation, and Maintenance Program Assessment Corrective Action Plan (CMOM), dated February 22, 2017, to MassDEP and EPA. In their review letter dated August 3, 2017, MassDEP requested that a summary of the status of CMOM related corrective actions that occurred during the reporting period be included in the Compliance Reports.

## 7.2 CMOM Corrective Actions

The CMOM self-assessment identified twenty-six deficiencies, their recommended corrective actions, and an implementation schedule, which are listed in Table 7-1as completed deficiencies. Table 7-1 was simplified for readability purposes. Item 10 was duplicated and was deleted in Compliance Report Number 10, thus now equaling twenty-five deficiencies.

Table 7-2 has been updated to show all remaining deficiencies and the City's progress. To view the complete table, see the previous year submission located https://www.haverhillma.gov/media/tl0fwz5f/25-april-30-compliance-report-july24-dec24.pdf

## 7.3 Additional CMOM-Related Activities

In conjunction with the corrective activities, the City has also performed additional activities as outlined and recommended in the CMOM Program, which includes collection system maintenance and construction activities. The expenses related to collection system maintenance activities for this reporting period are listed in Table 7-3.

**Table 7-1 CMOM Deficiencies Completed**

| Action # | Deficiency | Status |
|---|---|---|
| 1 | The City does not have a formal long-term plan to mitigate SSO. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 2 | The City does not have a comprehensive system to prioritize investigations, repairs, and rehabilitation. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 3 | The City does not have updated job descriptions that match technical requirements for a modern collection system utility. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 4 | Although the City training program includes some key safety training, staff would benefit from a formalized safety and technical training program. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 5 | Although the City uses MaintStar to track customer complaints, they do not use the database to prioritize preventative maintenance. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 6 | The City lacks a comprehensive, risk-based approach to maintenance planning. | This action item has been completed and closed. Please see CD Report #12 for final comments. |

| Action # | Deficiency | Status |
|---|---|---|
| 8 | The City needs to improve implementation and enforcement of their Sewer User Ordinance (SUO) | Cityworks (CMMS) has been updated to reflect all food service establishments (FSE) and is updated as New Food Service Wastewater Discharge Permits are issued. All FSE's are inspected annually |
| | | The Enforcement response plan has been updated in 2022. Recently reviewed by the EPA in 2025. The ERP was found satisfactory. |
| 9 | The City should update recordkeeping pertaining to private systems | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 10 | The City does not have a finalized version of their capital improvement plan – which will include pump station upgrades, collection system rehabilitation, and WWTP upgrades | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 12 | The City does not have a standard procedure for maintaining safety training records. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 13 | The City has a general emergency response plan (ERP). The Division recently completed an ERP for responding to SSOs. The Division lacks ERP for other collection system emergencies. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 16 | The City does not have adequate staff to perform sufficient preventative maintenance on all 36 pump stations. | This action item has been completed and closed. Please see CD Report #12 for final comments. |

| Action # | Deficiency | Status |
|---|---|---|
| 18 | Not all pump stations have communication ability. Lack of communication at pump stations has contributed to SSOs. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 19 | 11 pump stations do not have working backup power, though most of these have connections for a portable generator or are small enough to pump out. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 20 | There is currently no schedule for cleaning sewer lines on a system-wide basis. | The City has purchased their own vac truck. Sewers are designed to achieve self-cleaning velocities. The City has used the Vac-Truck to clean the City's sewers as necessary. The City has added flushing PMs. Sewer lines are also cleaned prior to planned CCTV inspections. The City, with its consultant Weston and Sampson, developed a five-year CCTV program focusing on high-risk areas. |
| 21 | The City does not have a dedicated location for offloading and dewatering sewer cleaning. The City does not have an enclosed location for storage of their sewer maintenance vehicles. | This action item has been completed and closed. Please see CD Report #12 for final comments. |

| Action # | Deficiency | Status |
|---|---|---|
| 22 | The City does not have a list of assets located on rights-of-way. The City has also not developed an SOP for maintenance of rights-of-way and easements. | Off-street assets are identified in GIS with the location description of "Cross Country". If it is City owned, the "Ownership" or "Maintainer" field will reflect that. The City has input easements into GIS as assets. These assets are populated, and SOPs have been made, as well as the development of a preventative maintenance plan. These easements have been added to our CMMS program, and a PM schedule has been created for easement inspections. Easement assets are created and can be used in the City's CMMS. An inspection form has been created to evaluate the level of maintenance needed for the easement. |
| 23 | There is no systematic program for uncovering manholes that have been paved over. | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| 25 | The City lacks public education materials associated with roof leaders and sump pumps. | This action item has been completed and closed. Please see CD Report #12 for final comments. |

| Action # | Deficiency | Status |
|---|---|---|
| 26 | The City does not have a system-wide manhole inspection program | This action item has been completed and closed. Please see CD Report #12 for final comments. |
| | | |

## Table 7-2 Remaining Deficiencies

**Action Number 7**

**Deficiency**:

Local limits need to be updated.

**Recommended Corrective Action:**

Perform a local limits study and update the limits table in the ordinance (per Appendix E, Sewer Ordinance Review from CMOM Program Assessment and Corrective Action Plan prepared by Woodard & Curran, February 2017).

**Implementation Schedule:**

Within **one year** after EPA approves the CMOM Action Plan

**Status:**

Local limits submitted to EPA for review on June 23, 2021, and subsequently approved. As of June 2025, the EPA is reviewing the updated SUO associated with the newly approved Local Limits. The City needs to final ordinance revisions then move to pass the approved SUO and Local Limits through City Council.

**Action Number 11**

**Deficiency**:

The City has not verified that other air relief valves do not exist. Maintenance of air relief valves has not been performed historically.

**Recommended Corrective Action:**

Review record drawings and inspect force main routes to confirm location of air relief valves. If located, enter into GIS and schedule routine maintenance in CMMS.

**Implementation Schedule:**

Within **one year** after EPA approves the CMOM Action Plan

**Status: Ongoing**

The City has identified three air release valves for four lift stations including Elliot Street, Lake Street and Fondi Road/Hilldale Lift Station common force main. The City will develop a CityWorks PM schedule following the manufacturer's recommendations. When any other air relief valves are found they will be added to CityWorks PM list and GIS.

**Action Number 14**

**Deficiency**:

The City does not have formal emergency response training.

**Recommended Corrective Action:**

Implement a program for training and practicing emergency response.

**Implementation Schedule:**

Within **one year** after EPA approves the CMOM Action Plan

**Status: Ongoing**

The Wastewater Staff have been trained, and additional training will be documented in the City's Access File. For minor emergencies, the staff prepares in advance of a weather event (e.g., setting up bypass pumps at the Marginal Pump Station, verifying that equipment has fuel (gasoline, diesel, or propane), along with procuring rental generators. The need for training is incorporated into these routine preparations.

**Action Number 15**

**Deficiency**:

The City has a hydraulic model for interceptors and CSOs, but there is no city-wide hydraulic model.

**Recommended Corrective Action:**

Although developing a comprehensive hydraulic model is not a high priority, Woodard & Curran recommends building out the model as required to address capacity issues and plan for new development as the need arises.

**Implementation Schedule:**
As Needed

**Status: Ongoing**
The City's GIS system is updated by City staff on an ongoing basis which will provide a good foundation for a future model.

**Action Number 17**

**Deficiency**:

Although there is generally sufficient redundancy of pumps and level controls, some stations require specific upgrades related to redundancy.

**Recommended Corrective Action:**

The City will utilize the recommendations of the Pump Station Evaluation (Wright Pierce, 2016) to evaluate future rehabilitation.

**Implementation Schedule:**
Ongoing

**Status: Ongoing**
The City will be standardizing all their pump stations during upgrades and additional pump stations will be considered for rehabilitation/upgrades as outlined in the Pump Station CIP The City will utilize remaining life of each station, consequence of failure, and station functions. The City has ranked each station for rehabilitation. Ejector Station rank 1; Vacuum Prime rank 2; Flooded Suction rank 3; Submersible rank 4**.** Mission alarms are currently installed in all thirty-six lift stations. Contract CWSRF-12419 was awarded June 30, 2024, for Alvanos Drive, Hanover Street and Coffin Avenue. Final Completion was in June 2026

**Action Number 24**

**Deficiency**:

Although the City has identified areas with high measured inflow, building inspections have not been performed.

**Recommended Corrective Action:**

The City will perform trial building inspections to a sample of 10% of buildings located in Areas 14 & 23 Infiltration and Inflow Report (CDM Smith, 2011). Sample brochures will be sent out to buildings where inspections are not successfully completed.

**Implementation Schedule:**

Within **two years** after EPA approves the CMOM Action Plan

**Status:**
The City is considering this as part of the Phase 3 CSO work. However, recommended corrective action is only practical in separate sewer areas. I/I brochures are available on the City's website.

**Table 7-3 CMOM-Related Expenses that Occurred**

| Account | Collection Totals: | Description |
|---|---|---|
| Lift Station Operation and Maintenance | $80,495 | Used to fund costs for maintenance and repair of the wastewater collection system. Haverhill's system includes approximately 200 miles of gravity sewer which includes 8-inch up to 72-inch pipe, 36 pumping stations and 3 siphons under the Merrimack River. |
| Sewer Assessment & Inspection | $95,507 | Used to fund cleaning, CCTV inspection, and assessment of sewer lines and grit removal |
| Service Contracts | $55,142 | Used to fund the annual service contracts for various items in the wastewater department. i.e. Mission alarm, CSO flow meters. |
| Wastewater Infrastructure | $113,285 | This account is used for sewer repair items. This is an annual appropriation funded from current year's revenues. |
| Wastewater Capital | | Funds are used for expenditures with a life greater than 3-years. This is an annual appropriation funded from current year's revenues. |
| Storm Water - Capital | | Funds capital expenditures greater than $10,000 with a life greater than 3-years. Funds are annual appropriations from user rates and fees. |
| Stormwater Expense | $120,958 | Funds various expenses related to stormwater system operation and maintenance, street sweeping, federal and state permit requirements, and the downtown flood system. |
| Sewer Rehab | $13,600 | Funds are used for repair and rehabilitate sewer infrastructure. This is an annual appropriation funded from current year's revenues. |
| **CSO Phase I** Locke Street Sewer Separation Project and sewer replacement Includes Engineer, Police and Contractor Invoices | $2,160,168 | Locke Street Phase 1 Sewer Separation Project |
| **CSO Phase 2** Locke Street Sewer Separation Project and sewer replacement Includes Engineer, Police and Contractor Invoices | $24,880 | Locke Street Phase 2 Sewer Separation Project |
| Sewer Pumping Station Rehabilitation Includes Engineer, Police Contractor invoices | $101,138 | City replace Alvanos Drive, Hanover Street, and Coffin Avenue |
| **Total Spent During Reporting Period** | $2,865,174 | |