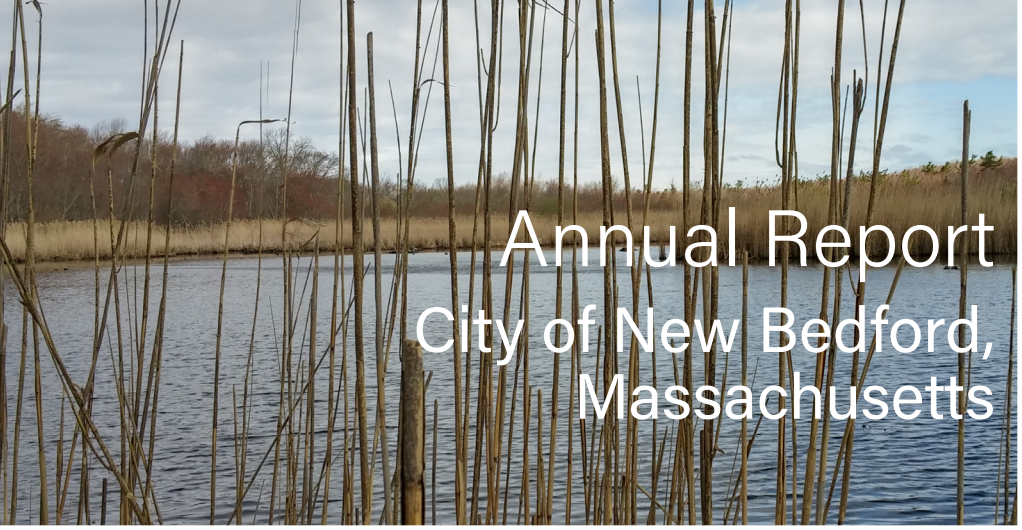
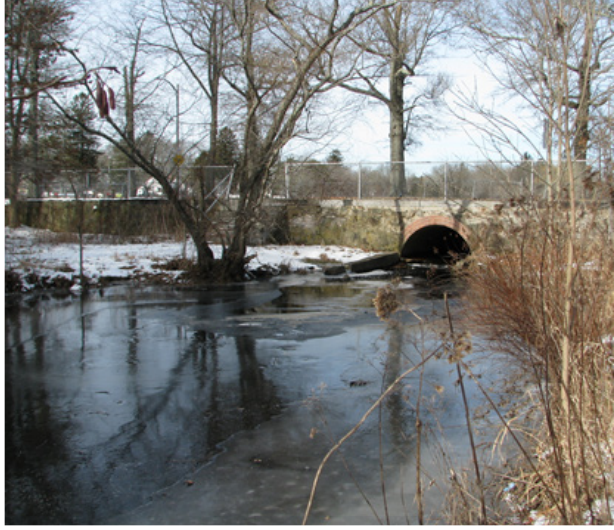
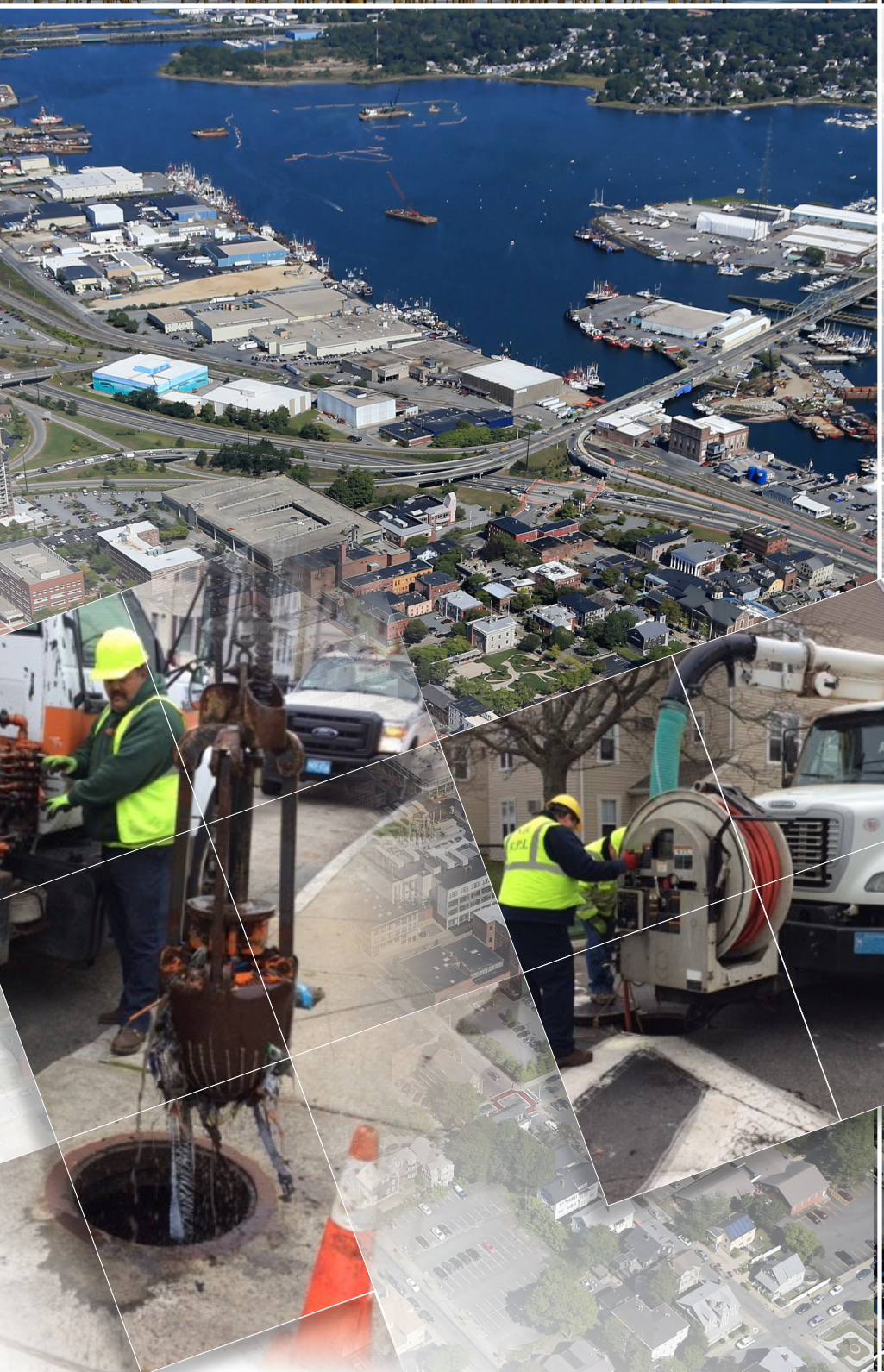




Annual Report

City of New Bedford, Massachusetts



MS4 General Permit Compliance

Year 7

(July 1, 2024 to June 30, 2025)

September 26, 2025

Table of Contents

Attachments (Under Separate Cover)

Section 1

Contact Information

The City's EPA NPDES Permit number is MAR041140.

The City of New Bedford submits this Annual Report under the Massachusetts Small MS4 General permit for the following reporting period:

Permit Year: Year 7

Reporting Period: July 1, 2024 to June 30, 2025

Primary MS4 Program Manager

Name: Jamie Ponte
Title: Commissioner
Department: Public Infrastructure
Email: Jamie.Ponte@newbedford-ma.gov
Phone Number: 508-979-1550
Street Address: 1105 Shawmut Avenue
City: New Bedford **State:** MA **Zip Code:** 02746

Stormwater Management Program (SWMP) Information

The SWMP was last updated: June 30, 2023

The SWMP can be found at the web address: https://www.newbedford-ma.gov/public-infrastructure/wastewater/stormwater/

Section 2

Self-Assessment

Table 1 lists the impairments and the in-state TMDLs that are applicable to the City's MS4 permit.

Table 1: Summary of Impairments of Receiving Waters

Impairments	TMDLs – In state
Bacteria/Pathogens	Bacteria/Pathogens
Nitrogen	Nitrogen
Oil/Grease (Hydrocarbons)	
Metals	

Year 1 Requirements

Year 1 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 1 (May 1, 2018 to June 30, 2019)" dated September 30, 2019.

- ☒ Develop and begin public education and outreach program.
- ☒ Identify and develop an inventory of all known locations where SSOs have discharged to the MS4 in the last 5 years.
- ☒ The SSO inventory is included in **Attachment A.**
- ☒ Develop written IDDE plan including a procedure for screening and sampling outfalls.
- ☒ IDDE ordinance complete.
- ☒ Identify each outfall and interconnection discharging from MS4, classify into the relevant category, and priority rank each catchment for investigation.
  - ☒ The priority ranking of outfalls/interconnections is included in **Attachment B.**
- ☒ Construction/Erosion and Sediment Control (ESC) ordinance complete.
- ☒ Develop written procedures for site inspections and enforcement of sediment and erosion control measures.
- ☒ Develop written procedures for site plan review.
- ☒ Keep a log of catch basins cleaned or inspected.
- ☒ Complete inspection of all stormwater treatment structures.

Year 2 Requirements

Year 2 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 2 (July 1, 2019 to June 30, 2020)" dated September 28, 2020.

- ☒ Completed Phase I of system mapping.
- ☒ Developed a written catchment investigation procedure and assess the procedure to the SWMP.
- ☒ Developed written procedures to require the submission of as-built drawings and ensure the long-term operation and maintenance of completed construction sites and added these procedures to the SWMP.
- ☒ Enclosed or covered storage piles of salt or piles containing salt used for deicing or other purposes.
- ☒ Developed written operations and maintenance procedures for parks and open space, buildings and facilities, and vehicles and equipment and added these procedures to the SWMP.
- ☒ Developed an inventory of all permittee-owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment and added this inventory to the SWMP.
- ☒ Completed a written program for MS4 infrastructure maintenance to reduce the discharge of pollutants.
- ☒ Developed written SWPPPs, included in the SWMP, for all of the following permittee-owned or -operated facilities: maintenance garages, public works yards, transfer stations, and other waste handling facilities where pollutants are exposed to stormwater.
- ☒ The SSO inventory has been updated, including the status of mitigation and corrective measures implemented.
    - ☒ The updated SSO inventory is attached as an appendix.
- ☒ Updated outfall and interconnection inventory and priority ranking as needed.

Year 3 Requirements

Year 3 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 3 (July 1, 2020 to June 30, 2021)" dated September 30, 2021.

- ☒ Inspect all outfalls/interconnections (excluding Problem and Excluded outfalls) for the presence of dry weather flow
- ☒ Complete follow-up ranking as dry weather screening becomes available

- ☒ Stormwater Rules and Regulations revisions were memorialized on June 24, 2021 to include modifications to the requirements for New Development and Redevelopment in accordance with the amendments (2020) to the 2016 MS4 permit

Year 4 Requirements

Year 4 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 4 (July 1, 2021 to June 30, 2022)" dated September 28, 2022.

- ☒ Report Assessing current street design and parking lot guidelines and other local requirements within the municipality that affect the creation of impervious cover
- ☒ Report Assessing existing local regulations to determine the feasibility of making, at a minimum, the following practices allowable when appropriate site conditions exist: green roofs, infiltration practices and water harvesting
- ☒ Complete Inventory of permittee owned properties with five permittee-owned properties identified for modification or retrofit of BMPs (2.3.6.d)
- ☒ Complete revisions and finalize DPI Facility SWPPP
- ☐ Nitrogen Source Identification Report

Year 5 Requirements

Year 5 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 5 (July 1, 2022 to June 30, 2023)" dated September 28, 2023.

- ☒ Schedule and plan for implementation of planned structural BMPs
- ☐ Complete revisions and finalize SWPPP for Central Garage facility
- ☐ Complete revisions and finalize SWPPP for the Brooklawn Garage
- ☒ Review and update the City's SWMP to comply with applicable permit requirements and changes in operational practices
- ☒ Continue implementing recommendations from the Sassaquin Pond Watershed Plan
- ☒ Continue updating and refining the public outreach program

Year 6 Requirements

Year 6 permit requirements are listed below and were reported on in the annual report titled "MS4 General Permit Compliance Year 6 (July 1, 2023 to June 30, 2024)" dated September 27, 2024.

- ☒ Continue implementing recommendations from the Sassaquin Pond Watershed Plan
- ☒ Continue updating and refining the public outreach program

Year 7 Requirements

Year 7 permit requirements are listed below. Additional information on each of the requirements are discussed in later sections.

☒ Continue implementing recommendations from the Sassaquin Pond Watershed Plan
☒ Develop a schedule for the removal of illicit connections

Annual Requirements

Items to be completed on a recurring annual basis are noted below.

☒ Annual opportunity for public participation in review and implementation of SWMP.

☒ Comply with State Public Notice requirements.

☒ Keep records relating to the permit available for 5 years and make available to the public.

☒ Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge to receiving waters.

☒ Annual training to employees involved in IDDE program.

☒ All curbed roadways have been swept a minimum of one time per year.

Bacteria/Pathogens

Annual Requirements

Public Education and Outreach

☒ Annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.

☒ Permittee or its agents disseminate educational material to dog owners at the time of issuance or renewal of dog license, or other appropriate time.

☐ Provide information to owners of septic systems about proper maintenance in any catchment that discharges to a water body impaired for bacteria.

Nitrogen

Annual Requirements

Public Education and Outreach

☒ Distribute an annual message that encourages the proper use and disposal of grass clippings and encourages the proper use of slow-release fertilizers.

☒ Distribute an annual message encouraging the proper management of pet waste, including noting any existing ordinances where appropriate.

☒ Distribute an annual message encouraging the proper disposal of leaf litter.

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

☒ Increase street sweeping frequency of all municipal owned streets and parking lots subject to Permit part 2.3.7.a.iii.(c) to a minimum of two times per year (spring and fall).

Structural BMPs

☒ Any structural BMPs listed in Table 3-5 of Attachment 3 to Appendix F of the MS4 permit already existing or installed in the regulated area by the permittee or its agents shall be tracked, and the permittee shall estimate the nitrogen removal by the BMP consistent with Attachment 3 to Appendix F.

☒ A "Nitrogen Removal by BMP" table can be found in **Attachment C** of this report. This table reports total area treated, storage volume and estimated nitrogen removal for each City owned BMP.

Solids, Oil and Grease (Hydrocarbons), or Metals

Annual Requirements

Good Housekeeping and Pollution Prevention for Permittee Owned Operations

☒ Increase street sweeping frequency of all municipal owned streets and parking lots to a schedule to target areas with potential for high pollutant loads.

☒ Prioritize inspection and maintenance for catch basins to ensure that no sump shall be more than 50% full. Clean catch basins more frequently if inspection and maintenance activities indicate excessive sediment or debris loadings.

Section 3

Receiving Waters/Impaired Waters/TMDL

Changes have been made to the lists of receiving waters, outfalls, and impairments since the NOI was submitted:

- During this reporting period an existing and undocumented outfall was located on Sassaquin Pond. The outfall was investigated for dry weather flow and results of these investigations are included in the Priority Ranking of Outfalls/Interconnections Table **(Attachment B).** The outfall is also included in the updated count of outfalls in **Table 2: List of Receiving Waters, Outfalls and Impairments.** (Year 7)

- In Year 6, a TMDL for Nitrogen was finalized for the New Bedford Inner Harbor. The new TMDL will be included in the Nitrogen Source Identification report that the City intends to complete during the next reporting period. Review of projects tributary to this area will be required to include design standards for nitrogen load reduction. (Year 6)

- Following Year 4 sampling activities revisions were made to GIS mapping and the City's outfall/interconnection list to include the addition and removal of connections. These revisions are reflected in **Table 2: List of Receiving Waters, Outfalls and Impairments**. (Year 4)

- An accounting error in Year 3 had connection 031-10 listed twice in the Priority Ranking of Outfalls/Interconnections Table **(Attachment B).** This connection is tributary to the Inner Harbor**.** Additionally, the receiving waters of the Acushnet River (MA95-33) was incorrectly listed as having 39 outfalls/interconnections rather than the actual count of 37 outfalls/interconnections. These errors have been corrected in Year 4 and **Table 2: List of Receiving Waters, Outfalls and Impairments** reflects these changes. (Year 4)

- Revisions to the outfall/interconnections list were made during the reporting period, including the removal and addition of structures or connections that were field verified during screening. (Year 3)

- "Other pollutants causing impairments" column was updated in **Table 2: List of Receiving Waters, Outfalls and Impairments** to reflect the most recent data in the Massachusetts Integrated List of Waters 2018/2020 Reporting Cycle. (Year 3)

- Two 30-inch outfall pipes, east of Covell Street, were located along the Acushnet River in March 2021. **Table 2: List of Receiving Waters, Outfalls and Impairments** has been updated to reflect this discovery. (Year 3)

- Turner Pond was added to the list of receiving waterbodies. No outfalls or interconnections are tributary to this receiving water. (Year 2)

- Following field activities and a more detailed review of available record drawings, five City-owned outfalls/interconnections were removed. The removed locations fell into one of two categories: 1) outfalls owned by other MS4s (e.g., MassDOT) that had been incorrectly mapped as owned by the City, or 2) the downstream end of culverts with no internal pipe connections (i.e., are strictly receiving water conveyance). (Year 2)

- Following clarification of definition of an "outfall", 181 additional City-owned discharge locations have been added. These discharges are connected to combined sewer outfall pipes, downstream of regulating structures. Note: discharges were identified based on existing GIS mapping. An update will be provided following field inspection(s) as appropriate. (Year 2)

Table 2 summarizes the most current list of receiving waters, outfalls, and impairments as listed in the impaired waters report from the Massachusetts Department of Environmental Protection titled "Final Massachusetts Integrated List of Waters for the Clean Water Act 2022 Reporting Cycle" and dated May 2023.

Table 2: List of Receiving Waters, Outfalls and Impairments

Waterbody segment that receives flow from MS4	# Outfalls/ Interconnections	Dissolved Oxygen/ DO Saturation	Nitrogen	Oil & Grease/ PAH	Other pollutants causing impairments
Acushnet River (MA95-33)*	37	X	X	X	Fecal Coliform, (Debris/Trash), Color, PCBs, Odor, Metals, Enterococcus
Buttonwood Brook (MA95-13)	16				Fecal Coliform, Enterococcus, E. Coli
Clarks Cove (MA95-38)	21	X	X		Fecal Coliform, PCB in Fish tissue, Enterococcus, Estuarine Bioassessments
New Bedford Inner Harbor (MA95-42)	145	X	X	X	(Debris/ trash), Fecal Coliform, PCBs, PCB in fish tissue, Enterococcus, Metals, Odor, Eutrophication Biological Indicators
Outer New Bedford Harbor (MA95-63)	32	X	X		Fecal Coliform, PCB in Fish tissue, Enterococcus
Buttonwood Park Pond (MA95020)	1				N/A
Sassaquin Pond (MA62232)	12				Algae, Harmful Algal Blooms, Fecal Coliform, Odor, Curly Leaf Pondweed
Copper Brook	7				N/A
Nash Pond	3				N/A
Brooklawn Brook	2				N/A
Paskamanset River (MA95-11)	21	X			Enterococcus, E. Coli, Combined Biota/Habitat Bioassessments, Lead
Acushnet Cedar Swamp	33				N/A
Deep Brook	2				N/A
Wetlands/Open Space	27				N/A
Turner Pond (MA95151)	0				Enterococcus, Mercury in Fish tissue
Total Number of Outfalls	**359**				

Section 4
Minimum Control Measures

MCM 1: Public Education

In total, nine (9) educational messages were distributed during the reporting period. The City will continue using outlets such as social media and stuffers with mailed bills to maximize outreach efforts for targeted audiences in conjunction with the existing in-person efforts DPI implements. The City continuously reviews and updates existing public education documents as needed.

The City maintains a dedicated stormwater web page under the City's website. The intent of the page is to post stormwater compliance documents for the public to access including the Stormwater Rules and Regulations, the City's Stormwater Management Plan, Annual Reports, and educational messages. During the next reporting period the City will add public outreach documents for those BMPs outlined in this section that utilize educational documents.

The following summarizes the Public Education and Outreach completed during this reporting period.

BMP: 1-1: Nitrogen Brochures/Pamphlets

Message Description and Distribution Method
A nitrogen lawn management pamphlet was developed in 2019 and updated in 2024. During this reporting period the pamphlet was made available at public events and at City offices during the months of March and April. It was also posted for public viewing at the Parks, Recreation, and Beaches Nature Center. During the next reporting period this document will be shared on the City's social media accounts and mailed out with water bills in the spring months in accordance with the City's Stormwater Management Plan (SWMP).

Targeted Audience
Businesses/Commercial/Institutional & Residential

Responsible Department/Parties
Departments of Public Infrastructure

Measurable Goals
During this reporting period the City set up informational booths at various public events where the nitrogen lawn management pamphlet was displayed and discussed. An estimated 2,175 people attended these events throughout the reporting period.

Message Date(s)
Public events were attended during summer, fall, and spring months.

BMP 1-2: Bacterial/Nitrogen Brochures/Pamphlets

Message Description and Distribution Method
A "Scoop the Poop" pamphlet was developed in 2019 and was revised in 2021. During this reporting period the pamphlet was available to the public at the DPI billing window, the City Clerk's office, the Health Department office, posted to City social media accounts, and distributed at public events. During the next reporting period this pamphlet will also be distributed to dog owners by mail with forms for issuance or renewal of dog licenses in accordance with the SWMP.

Targeted Audience
Residential

Responsible Department/Parties
Department of Public Infrastructure, City Clerk's Office, and Animal Control

Measurable Goals
During this reporting period the City distributed 150 pamphlets at the City Clerk's Office, 150 pamphlets at the DPI billing window, and 75 pamphlets at the Health Department office. The pamphlet was also posted to City social media accounts that received 158 impressions.

Additionally, the City set up informational booths at various public events where the "Scoop the Poop" pamphlet was displayed and discussed. An estimated 2,175 people attended these events throughout the reporting period.

Message Date(s)
Public events were attended during summer, fall, and spring months and pamphlets were continuously available at the DPI billing window, the City Clerk's office, and the Health Department office.

BMP: 1-3: Leaf Litter Brochures/Pamphlets

Message Description and Distribution Method
A pamphlet describing proper disposal of leaf litter was developed in 2020 and revised in 2024. During this reporting period the pamphlet was available to the public at the DPI billing window and the City Clerk's office during the fall months, was posted to City social media accounts, and was distributed at public events in accordance with the SWMP. During the next reporting period this message will continue to be distributed in accordance with the SWMP.

Targeted Audience
Businesses/Commercial/Institutional

Responsible Department/Parties
Department of Public Infrastructure

Measurable Goals
During this reporting period the City distributed 50 flyers at the City Clerk's office and 50 flyers at the DPI billing window. The pamphlet was also posted to City social media accounts and received 179 impressions.

Additionally, the City set up informational booths at various public events where the proper leaf disposal pamphlet was displayed and discussed. An estimated 2,175 people attended these events throughout the reporting period.

Message Date(s)
The City attended public events during summer, fall, and spring months. The pamphlets were made available at the DPI billing window and City Clerk's Office during the months of September, October, and November and was posted to the City social media accounts in October.

BMP: 1-4: Dumpster Management Brochures/Pamphlets

Message Description and Distribution Method
A pamphlet describing good stormwater housekeeping practices, including dumpster management, was developed in 2019. Pamphlets were distributed during Fats, Oils, and Grease (FOG) inspections at locations at which issues regarding dumpster management were found. During the next reporting period the City will continue to distribute this message in accordance with the SWMP.

Targeted Audience
Businesses/Commercial/Institutional

Responsible Department/Parties
Department of Public Infrastructure and Board of Health

Measurable Goals
During this reporting period approximately 10 pamphlets were distributed to food service establishments and other industries that require FOG permits.

Message Date(s)
Pamphlets were distributed during FOG inspections throughout this reporting period and when issues were found.

BMP: 1-5: Rain Barrel Program

Message Description and Method of Distribution
A rain barrel program was offered to City residents through The Great American Rain Barrel Company. The rain barrel program was advertised on the City's social media accounts, at in-person events, and at the DPI and City Clerk's offices. In addition, rain barrels were recommended for practicable compliance with the City's Stormwater Management Rules and Regulations (SMRR) for building permit applicants whose existing site conditions and/or limited disturbance areas prevented other structural stormwater BMPs. Rain barrels sold under the

City's rain barrel program were distributed at DPI. The City will continue to offer the rain barrel program during the next reporting period in accordance with the SWMP.

Targeted Audience
Residential & Business/Commercial/Institutional

Responsible Department/Parties
Department of Public Infrastructure

Measurable Goals
During this reporting period 32 rain barrels were distributed under the program. The rain barrel program was advertised on City social media accounts and received 37 impressions. Flyers advertising the program were also available at the DPI billing window and the City Clerk's office. Between May 2018 and June 2025, 203 rain barrels have been distributed through this program.

Message Date(s)
During this reporting period rain barrels were available for order between January and April.

BMP: 1-6: Proper Disposal Brochures/Pamphlets

Message Description and Method of Distribution
An informational brochure including information on the proper disposal of water from car washing, yard maintenance, pools, and sump pumps was developed in 2019 and updated in 2024. During this reporting period the pamphlet was distributed at public events, posted on City social media accounts, posted for public viewing at the Parks, Recreation, and Beaches Nature Center, and was presented to an elementary school. During the next reporting period this document will be made available at City offices, and be available on the City's stormwater site in accordance with the SWMP.

Targeted Audience
Residential

Responsible Department/Parties
Department of Public Infrastructure

Measurable Goals
During this reporting period an educational presentation was held for 42 students in July 2024.

Additionally, the City set up informational booths at various public events where the stormwater pamphlet was displayed and discussed. An estimated 2,175 people attended these events throughout the reporting period.

Message Date(s)
Public events were attended during the summer, fall, and spring months.

BMP: 1-7: Hazardous Waste Disposal Day Brochures/Pamphlets

Message Description and Distribution Method
An informational brochure encouraging residents and industries to participate in hazardous waste disposal days was developed by the Department of Fleet and Facilities Management (DFFM). Flyers about the events were available at the DPI office and were distributed at public events. The City advertised waste collection days on the City's webpage and social media accounts in accordance with the SWMP. The City will continue to advertise and host hazardous waste days in accordance with the SWMP.

Targeted Audience
Residents, Business/Commercial/Institutional, and Industrial

Responsible Department/Parties
Department of Public Infrastructure and Department of Fleet and Facilities Maintenance

Measurable Goals
During this reporting period the City collected approximately 3,972 gallons of hazardous waste. The hazardous waste days were advertised at public events and on social media.

Message Date(s)
Hazardous waste days were held in the months of September and May. The events were advertised in the months of August, September, April, and May.

BMP: 1-8: City Construction Standards Meeting

Message Description and Distribution Method
A City Construction Standards meeting was held at the DPI Conference Room where revisions to the City of New Bedford Department of Public Infrastructure Construction Standards and Specifications, made for the 2025 construction season, were highlighted. Contractors currently bonded with the City as well as contractors that have lapsed in renewal within the last two years were sent letters inviting them to join the in-person meeting. At the meeting, construction site stormwater controls, permitting and inspections were emphasized with attendees. The City will continue hosting construction standard meetings annually.

Targeted Audience
Developers/Contractors

Responsible Department/Parties
Department of Public Infrastructure

Measurable Goals
DPI invited 59 contractors/developers, of which 29 contractors/developers had representatives in attendance at the meeting with eight (8) DPI representatives in attendance.

Message Date(s)

The Construction Standards meeting was held in person at the DPI Conference Room on March 2025.

BMP: 1-9: Parking Lot Care and Maintenance Brochures/Pamphlets

Message Description and Distribution Method
A pamphlet including information on the care and proper maintenance of parking lots was developed in 2020. During this reporting period pamphlets were distributed at FOG inspections. The City will continue to distribute this message in accordance with the SWMP.

Targeted Audience
Business/Commercial/Institutional & Industrial

Responsible Department/Parties
Department of Public Infrastructure

Measurable Goals
During this reporting period approximately 50 pamphlets were distributed during FOG inspections.

Message Date(s)
Pamphlets were distributed to commercial properties throughout the reporting period.

MCM 2: Public Participation

The most recent version of the City's Stormwater Management Program (SWMP) remains available on the City's website. Revisions to the SWMP were promulgated in 2023 in accordance with BMP 2-1. An opportunity for the public to review and comment was provided in accordance with what was proposed in the NOI. Additionally, solicitation for public participation was advertised on social media platforms. During this reporting period no revisions were made to the SWMP.

The City held one hazard mitigation meeting during this reporting period where the public was invited to attend. The City presented the final Hazard Mitigation Plan at this meeting. The Hazard Mitigation Plan was developed with feedback received from the public during several public meetings held in Year 6.

MCM 3: Illicit Discharge Detection and Elimination

Sanitary Sewer Overflows (SSOs)

Data pertaining to Sanitary Sewer Overflows (SSOs) is included in **Attachment A**.

During this reporting period:

- Number of SSOs identified City-wide: 3
- Number SSOs removed: 3

SSO Record Keeping:

- Reporting Period (Last 5-years): June 2021 – June 2025
- Number SSOs identified in the MS4 system: 22
- Number of SSOs removed: 22

MS4 System Mapping

The City's MS4 mapping is available in the Geographical Information System (GIS) and includes the following elements:

- Outfalls and receiving waters
- Open channel conveyances
- Interconnections with other MS4s
- Municipally owned stormwater treatment structures
- Receiving waterbodies and indication of use impairments
- Initial catchment delineations
- Drainage pipes, manholes, and catch basins
- Sanitary and combined sewer pipes, manholes, and catch basins
- Stormwater BMPs (structural and green infrastructure)

In Year 6 the City contracted a fly over scan of the City to update its planimetric and topographic mapping. During this reporting period, the City began to use this mapping to update and improve the spatial orientation of assets within the City's GIS.

MS4 mapping is updated continuously throughout the year by the City's asset management team as new information becomes available. During this reporting period, catch basin data continued to be improved and captured, and stormwater BMP mapping updates continued (including mapping of existing BMPs, new BMPs, headwalls, difficult to reach network structures, etc.). Refer to MCM 6 for details about the catch basin program and stormwater BMPs.

Screening of Outfalls/Interconnections

After the definition of an outfall was clarified in Year 2 to include partially separated areas that discharge downstream of CSO regulators, 181 additional locations were added to the City's list of screening locations. The City had previously completed all dry weather screening. The City determined that dry weather screening of all outfalls and interconnections would have a greater positive impact on the stormwater program, regardless of original priority rankings (i.e. problem, excluded, high or low) based on preliminary system knowledge.

Dry weather screening was completed in Year 4, however the City's consultant received notification of an additional two outfalls that the City located during work completed under a different project. The City anticipates that these two outfalls will be screened during the next reporting period. Updated priority rankings of outfalls can be found in **Attachment B**.

- To date 100% (285 of 285) of the outfalls and interconnections, excluding those designated as problem or excluded (based on preliminary ranking completed in 2019), have been screened.
- To date, total outfalls/interconnections screened (dry weather): 99% (357 of 359)

Catchment Investigations

The City and its consultant continued catchment investigation efforts during this reporting period through CCTV and dye testing. To date a total of 49,645 feet of internal CCTV inspection of storm drains, 752 dye tests, and one smoke test have been completed.

- Catchment investigations completed during this reporting period (wet weather): 0% (0 of 358)
- To date, total catchments investigated (wet weather): 44% (160 of 358)

IDDE Progress

During this reporting period the City and CDM Smith developed contract documents for the removal of 28 illicit discharges. The project, funded through the State Revolving Fund MassDEP Clean Water Trust, was awarded on June 10, 2025 and it is anticipated that construction of the Illicit Connection Removal Project will be completed by December 31, 2026. The project includes follow up sampling for verification of illicit discharge removals. Project status updates will be included in the next reporting period.

A draft summary report on IDDE investigations at downstream stormwater connections was finalized during this reporting period.

During this reporting period:

- Number of illicit discharges identified: 3
- Number of illicit discharges removed: 2
- Estimated volume of illicit discharges removed: 103 gpd

To date (from July 2018 to June 2025):

- Number of illicit discharges identified: 46*
- Number of illicit discharges removed: 18
- Estimated volume of illicit discharges removed: 58,853 gpd

*The number of illicit discharges identified is updated annually in this report to reflect the most current sampling and investigation data. Inconsistencies between reporting periods are explained in further detail below.

Work orders for the removal of illicit discharges will remain in Lucity™, the City's asset management system, for those that were removed by City crews. Illicit connection locations and data, identified through the City's IDDE program, can be found in **Attachment D.** The following summarizes major IDDE findings and work completed:

- During this reporting period CDM Smith submitted a technical memorandum, titled "Stormwater Illicit Discharge Detection and Elimination (IDDE) Program: Summary of Project Locations Removed from Illicit Removal Scope" and dated June 24, 2025, to the City summarizing the findings of follow-up investigations at five previously reported illicit connection locations. The conclusion of these findings are that these five previously reported illicit discharges are not the source of exceedances reported during the initial investigations. **Attachment D** has been updated to exclude the locations outlined in the memo including CB-3796, MH-3966, 14 Hervey Tichon Avenue, 108 MacArthur Drive, and 77 Wright Street.

- The reporting totals for, illicit connections identified, and volume of discharges removed, do not include the water main leaks because main line flushing (hydrant flushing) is categorized as an exemption from being identified as illicit sources. They are included in **Attachment D** for clarity and cohesiveness between the sampling results table and the IDDE tracking table.

- 176 Harwich Street was identified by CDM Smith as having an illicit connection during the first round of sampling and investigations. Their investigation results were non-conclusive as they were unable to enter the property for a dye test, and therefore used information from surrounding properties and record information to determine that 176 Harwich Street had to be the cause of results in exceedance of sampling parameters. DPI crews conducted follow up dye tests after preliminary plans for removal and several site visits contradicted the information provided by the consultant. DPI gained access to the property and conducted a dye test to confirm that 176 Harwich Street is not an illicit connection. 176 Harwich Street is not included in the reported illicit connection totals.

  During this reporting period the City **Attachment D** to include an illicit connection location identified as "MH-1693" with a reported date of January 25, 2022. This is the manhole where the connection originally identified as 176 Harwich Street was previously reported. Additionally, the Technical Memorandum for CSO-026 provides a removal figure for MH-1693 that will be utilized in the planning and implementation of the construction required to remove the illicit connection.

- The sewer lateral connection on Matthew Street flows to the sewer system via an open over-under manhole. The Technical Memorandum for CSO-003 summarizes the complexities involved with the illicit removal at this location. The memo also provides a removal figure that will be utilized in the planning and implementation of the repair. This

work is being completed in conjunction with the City's Administrative Order Project CSO 8G.

- 620 Church Street was verified to have been reported in error by CDM Smith. The above reported IDDE totals do not include this location.

Employee Training

A presentation on the City's IDDE program, including how to recognize and report illicit discharges and SSOs was presented in person to 140 DPI employees throughout the reporting period. These presentations were reviewed one-on-one with new hires and any other staff that requested more information.

MCM 4: Construction Site Stormwater Runoff Control

During this reporting period:

- Number of site plan reviews completed: 32
- Number of Active Construction Sites Over 1-Acre: 9
- Number of inspections completed: 151
- Number of enforcement actions taken: 1

Construction site sediment and erosion control inspections and corrective action inspections are collected with the Survey123 application and maintained in ESRI™ ArcGIS. The written standard operating procedure (SOP E-2) for construction sediment and erosion control inspections was developed in 2019 and revised in June 2024 (no revisions were made during this reporting period).

In addition to sediment and erosion control inspections on sites over one acre, the City monitored and enforced stormwater construction controls on all construction sites, regardless of scope or size. During this reporting period the City developed a formal inspection form in the Survey123 application titled "S&E Inspection Sites Under 1-Acre". Five inspections were conducted and collected in Survey123 on sites less than one-acre during this reporting period. During the next reporting period the City intends to increase the frequency of inspections for sediment and erosion control on sites that are under one acre.

Sediment and erosion controls are implemented on all City right-of-way improvement projects (roadway reconstruction, utility work, etc.). Resident/project engineers and inspectors, that are not certified as stormwater inspectors, received a copy of SOP E-2 and one-on-one training. These staff members supplement the City's ability to meet compliance with best management practices on all projects. Staff that received this training are monitoring site conditions, enforcing sediment and erosion control plans, and reporting back to the stormwater authority. Should a violation be encountered, it is reported to one of the City's certified stormwater inspectors. The City currently has four certified stormwater inspectors at the DPI.

MCM 5: Post-Construction Stormwater Management in New Development and Redevelopment

Ordinance Development

In 2017 the City passed an ordinance and accompanying Stormwater Rules and Regulations (SMRRs) giving authority to enforce and implement aspects of the MS4 Permit associated with the reduction of pollutants to the MS4 system and reduction in peak flows associated with new development and redevelopment projects.

Revisions to the SMRRs were promulgated on June 24, 2021, to include supplemental requirements included in the 2016 MS4 Permit. A formal public meeting was advertised and held at DPI in accordance with state public meeting law requirements prior to the SMRR revisions being adopted. Two DPI employees attended the meeting; no one from the public attended. The City continues to work to streamline these regulations based on lessons learned and evolving best practices. During this reporting period the City continued to develop proposed Ordinance and SMRR revisions. It is anticipated that during the next reporting period the City will finalize draft revisions and develop a schedule for memorializing the updates.

A formal Stormwater Management Permit review application procedure continues to be implemented on the City's permitting platform, OpenGov. During this reporting period 76 Stormwater Management Permit applications were received for compliance with the City's SMRRs and 56 stormwater management permits were issued. The City conducts construction inspections of permitted stormwater management controls and maintains inspection records in ESRI™ ArcGIS.

As-built Drawings

The City's existing SMRRs require the submittal of as-built drawings. Submittal of as-built drawings are required prior to the issuance of a final certificate of occupancy permit. Where appropriate, information is plotted on the City's paper maps and then entered into GIS for future tracking.

Street Design and Parking Lots Report

CDM Smith completed a holistic review of City ordinances, regulations, standards, and policies, summarized in a memorandum titled "Updates to New Bedford Documents in Support of Low Impact Development" (LID Memo) dated April 28, 2020. The memorandum was developed in compliance with Sections 2.3.6.b (street and parking lots report) and 2.3.6.c (green infrastructure report) of the 2016 MS4 Permit.

Green Infrastructure Report

In addition to the LID Memo and through the Municipal Vulnerability Preparedness (MVP) program, a grant was awarded to the City by the Massachusetts Executive Office of Energy and Environmental Affairs (EOEA), for the development of a Master GI Plan that was completed in June 2022. As part of the City's continuous assessment of the MS4 program, the City will continue to utilize the LID Memo and proposals of the Master GI Plan for planning.

The City has installed several pilot green infrastructure projects including rain gardens, tree filter boxes, pervious pavers, infiltration trenches, and bioswales, discussed in detail in the Retrofit Properties Inventory section of this report. The City continues to design and install green infrastructure retrofit BMPs on City projects utilizing the Master GI Plan as a guide when suitable conditions and funding exists.

Retrofit Properties Inventory

The Master GI Plan includes a list of City-owned properties identified as ideal candidates for retrofitting green infrastructure and low impact development designs. Section 2.3.6.d of the MS4 permit requires that a minimum of five permittee-owner properties be identified as candidates for retrofitting or modifying existing site BMPs to reduce frequency, volume and pollutant loads of stormwater discharges. The Master GI Plan identified a total of 270 opportunities City-wide including privately-owned parcels, City-owned parcels, and public rights of way. Of the 270 locations identified, the Master GI Plan details retrofit of 16 City-owned parcels as follows (area in parenthesis is approximate acres proposed for treatment if proposed BMPs are implemented and details on the status of on-going projects is noted):

- Bolton Street area (1.6-acres)
- Brock Avenue (1.7-acres)
- Brooklawn Street Parking (2.3-acres)
- Sassaquin Pond (0.6-acres) – *Improvements continued in the Sassaquin Pond area on previously installed stormwater BMPs.*
- "White's Pond Stream Corridor" Victoria Street/Glen Street/Abrams Street (1.0-acre)
- Kempton Street (3.4-acres) – *Construction of Phase I and Phase II of the Buttonwood Brook Water Quality Improvement project began during this reporting period. It is anticipated that construction of both phases will be completed during the next reporting period.*
- Roosevelt School (4.1-acres)
- James B. Congdon School (1.0-acre)
- Riverside Park (1.1-acre) – *A concept design was developed to rehabilitate the park and utilize space to address flooding that occurs during extreme rainfall events. An Environmental Justice Communities Change Grant was submitted; however, no response to the submission was received. It is intended that this project will be incorporated into projects being developed for the City's upcoming update of the 2017 Long Term CSO Control and Integrated Capital Improvements Plan as part of planned CSO sewer separation work and stormwater work .*
- Dr. Paul F. Walsh and New Bedford High School Athletic Fields (37-acres)
- Cisco Overflow Parking Lot, East Rodney French Blvd (18-acres)
- Payne Cutlery Vacant Site (15.8-acres)

- New Bedford Police Headquarters, Rockdale Ave (2.4-acres) – *Design and permitting was completed in 2024. During this reporting period the City identified the need to relocate Police Headquarters to a more suitable location and as a result this project has been placed on hold as the City intends to repurpose this property or sell it. The site selected for the new Police Headquarters will be designed in compliance with the City's SMRR and Master GI Plan.*

  Future development of the existing Rockdale Ave Police Headquarters will be assessed for conformance with the plans developed by the City and the SMRR depending on the final redevelopment of the site. This project has been removed from the project updates below.

- New Bedford Department of Public Infrastructure, Shawmut Ave (3.3-acres) – A *conceptual master design is currently being developed. The City anticipates improvements will be completed in phases.*

- Sawyer Street Municipal Parking Lot (0.3-acres)

- Buttonwood Park Zoo Parking Lot (1.85-acres) – *During this reporting period the Buttonwood Zoo began development of plans for stormwater improvements..*

The City has taken the initiative to begin planning and implementing retrofit projects for City owned properties. During this reporting period the City completed five projects that included nine new BMP installations. The following (completed retrofits are reported in the Nitrogen Removal Table, **Attachment C**, including catchment area and nitrogen loading reduction data) summarizes ongoing and completed work to date:

Right of Way Improvement Projects

- **Union Street Phase I MassWorks:** The City completed construction of the Phase I Union Street MassWorks project in 2019 which included the installation of two rain gardens. The rain gardens are maintained by the City in accordance with SOP I-712. The City plans to complete a thorough inspection of these rain gardens and develop recommendations for additional maintenance and/or increased frequency of maintenance if needed.

- **Union Street Phase II MassWorks:** The City completed construction on Phase II of the Union Street Improvement Project in 2024 which included the installation of two new rain gardens. The rain gardens cost $35,630.00 to construct. The City will continue to maintain the rain gardens in accordance with SOP I-712.

- **JFK Memorial Highway Traffic Improvement:** The City completed construction of two tree filter boxes under the JFK Memorial Highway Traffic Improvement Project in 2019. The City continues to maintain the tree filter boxes in accordance with SOP I-712.

- **Sassaquin Pond Impervious Removal:** The City completed construction in 2023 for the reduction of impervious cover and installation of low impact designs for drainage swales that discharge to the Sassaquin Pond in accordance with the recommendations from the "Sassaquin Pond Watershed Management Plan" dated September 2021. This project cost $56,112.48 to construct.

During this reporting period the City developed contract documents, completed permitting, and awarded a contract for the construction of supplemental plantings, a modified forebay, rehabilitation of the drainage swales and the installation of leaching basins upstream of the swales. The City anticipates that construction will be completed during the next reporting period. The City intends to update SOP I-712 during the next reporting period to include a maintenance and inspection schedule for the revised drainage swales.

- **Leroy Street Jellyfish:** The City completed the installation of a JellyFish filter system in 2017 at drain manhole (MH-0078) on Leroy Street. The City continues to perform routine maintenance and inspections bi-annually. Filter cartridges are replaced as required (last replaced in 2022 at a cost of $2,500.00).

- **Mount Pleasant Street (at Tarkiln Hill Rd) Roadway Improvement:** The City completed construction for impervious area removal and the installation of a new landscaped traffic island in 2022 as part of a road rehabilitation project on Mount Pleasant Street at the intersection of Tarkiln Hill Road and Lang Street. The retrofit included the removal of an unused paved roadway area at an existing street intersection, the installation of a raised traffic island with vertical granite curb and planting of a variety of native species plants and seed mixes. This project cost $22,033.96 to construct. During this reporting period the City continued to maintain the landscaped traffic island.

- **Kings Highway Traffic Improvement:** The Kings Highway Traffic Improvement project included the installation of two new rain gardens that address discharge to the New Bedford Inner Harbor (MA 95-42). Construction began on this project in 2021 and was completed during this reporting period. During the next reporting period the City will update SOP I-712 to include the Kings Hwy rain gardens.

- **Hathaway Triangle Traffic Improvement:** The City completed a traffic improvement project at the intersection of Hathaway Road and Mt. Pleasant Street. The project included the conversion of an existing traffic island into a new bioswale. During this reporting period the City completed maintenance on the bioswale.

- **Infiltration Trench Program:** The City continues incorporating infiltration trenches into roadway reconstruction designs. The infiltration trenches are intended to provide treatment for nitrogen removal and provide infiltration/peak flow attenuation. The New England Stormwater Retrofit Manual is being utilized as a guide during the planning and design phases of these projects.

  During this reporting period the City completed the installation of one infiltration trench as part of the Walnut Street Phase I Roadway Reconstruction Project. During the next reporting period the City will update SOP I-712 to include infiltration trenches.

- **West Rodney French Boulevard MassWorks:** The West Rodeny French Boulevard MassWorks project includes proposed rain gardens between Cove Street and Woodlawn Street over two phases of construction. Additionally, the project includes the retrofitting of hoods on existing catch basins.

During this reporting period the City continued construction on Phase I of this project. The City anticipates construction will be completed in 2026 on Phase I with an anticipated cost of $152,000.00 for stormwater related improvements.

During this reporting period the City secured funding for the construction of Phase II. The City anticipates that construction of Phase II will commence during the next reporting period and be completed in 2026 with an anticipated cost of $591,000.00 for the rain gardens and catch basin work.

- **Rockdale Avenue and Allen Street Traffic Improvement:** In 2024 the City completed construction of two tree filter boxes on Rockdale Avenue as part of the Rockdale Ave and Allen St Traffic Improvement Project. The tree filter boxes will be maintained by the City in accordance with SOP I-712.

- **Elm Street (Purchase St to Water St) Roadway Improvement:** During this reporting period the City completed the installation of the infrastructure that will house a proposed rain garden. It is anticipated that plantings will be completed during the next reporting period. The anticipated cost for construction of the rain garden is $50,000.00.

- **Commercial Street Roadway Improvement:** During this reporting period the City completed the construction of two tree filter boxes and the infrastructure that will house the proposed rain garden. The City anticipates the plantings for the rain garden will be completed during the next reporting period. The anticipated cost for construction is $120,000.00.

- **County Street Traffic Improvement:** During this reporting period the City began construction on the County Street MassWorks roadway improvement project. The project includes the installation of tree wells with flexible permeable surfacing. The City anticipates the project will be completed in 2028.

- **Peckham Road Traffic Improvement:** During this reporting period the City completed construction of the Peckham Road Traffic Improvement Project. The project included the installation of two tree filter boxes. The City will begin maintenance during the next reporting period in accordance with SOP I-712.

- **Impervious Area Disconnection:** The City standard for roadway design includes a landscaped amenity strip between cement concrete sidewalks and the paved roadway gutter line. For most City projects this typically provides a reduction of total impervious cover within right of way and creates disconnection of surface stormwater flow while promoting infiltration that, prior to reconstruction, did not exist. The landscape amenity strips vary in width based on road layout but are designed to maximize separation, are typically loamed and seeded for grass, and include the planting of trees.

- **Church Street MBTA Station:** As part of the MBTA South Coast Rail improvements at the new Church Street station, the MBTA installed underground stormwater storage under the new parking lot and constructed a landscaped stormwater control measure to treat the stormwater from the redevelopment. The City, as part of their agreement with the MBTA, is

responsible for the maintenance of the landscaped stormwater control measure. SOP I-712 and GIS mapping will be updated during the next reporting period.

- **Purchase Street Housing Works Project Phase I:** During this reporting period the City completed design plans for the Purchase Street Phase I project between North Street and Maxfield Street (part of the phased Purchase and Pleasant Street corridor improvements project between North Street and Pearl Street). The project includes traffic, pedestrian accommodation and stormwater improvements. The design for Phase I includes one rain garden at the intersection of Purchase Street and Hillman Street. The project also includes the installation of a landscaped amenity strip along reconstructed sidewalks with the planting of approximately 50 new trees. The City anticipates construction will commence during the next reporting period and be completed in 2027.

- **Coggeshall Street Phase III Sewer Separation Project:** During this reporting period the City developed contract documents for the Coggeshall Street Phase III Sewer Separation Project. The City anticipates that the project will be awarded and construction will begin during the next reporting period with construction anticipated to be completed in 2028.

  The project includes the reconstruction of municipal utilities, traffic improvements and pedestrian accommodation improvements. There are substantial areas of existing impervious surfaces along Acushnet Ave and Penniman Street that are being replaced with landscaping. Sidewalk improvements include a landscape amenity strip and new trees where existing conditions allow.

  Additionally, a hydrodynamic separator will be installed on a discontinued section of Myrtle Street at Penniman Street. The discontinued section of Myrtle Street was discontinued into the abutting parcels (currently utilized for commercial parking and material storage) and as such the maintenance of the hydrodynamic separator will be transferred to the property owner when construction is completed. The BMP will treat run-off from catch basins that were left in place along the discontinued section of Myrtle Street.

- **Mt Pleasant Street at Nash Road:** During this reporting period the City developed 25-percent plans for a traffic improvement project at the intersection of Mt Pleasant Street and Nash Road. The City anticipates that the project will include stormwater BMPs such as rain gardens, infiltration trenches or tree filter boxes. It is anticipated that the design will be completed during the next reporting period.

City-Owned Parcels – Parks Projects

- **Buttonwood Brook Water Quality Improvement Phase I:** The City finalized a design, obtained the required permits and received an Order of Conditions for the construction of rain gardens and stormwater system upgrades at the Oneida Street parking lot at the Buttonwood Park Senior Center, which is tributary to Buttonwood Park Pond (MA 95-13). The design, permitting and bid work was completed with a Community Preservation Act Grant.

The City secured ARPA funding for construction of this project, awarded the contract and began construction during this reporting period. It is anticipated that construction will be completed during the next reporting period.

- **Buttonwood Brook Water Quality Improvement Phase II:** The City completed design plans, obtained the required permits and received an Order of Conditions for the construction of green infrastructure along the Kempton Street corridor between Route 140 and Rockdale Avenue including retrofits within Buttonwood Park and along Brownell Avenue utilizing an awarded MVP grant.

  During this reporting period the City awarded the contract and began construction on this project. The Phase II project area includes work along Brownell Avenue (between Kempton Street and Gaywood Street), Lieutenant Walter E. Fuller Memorial Parkway, Kempton Street (between the Dartmouth town line and Cornell Street), and in various areas of the northwest corner of Buttonwood Park. The work includes the installation of rain gardens, infiltration trenches, pervious pavers, and the removal of impervious areas to be replaced with landscaped areas. This project was a recommendation from the Master GI Plan and once fully constructed will begin addressing stormwater discharges to Buttonwood Brook (MA 95-13). The City anticipates construction will be completed in 2026.

- **East Beach Parking Lots:** The City received a Coastal Pollution Remediation Grant through the Office of Coastal Zone Management for the preparation of permits, plans and specifications to complete green infrastructure improvements at the parking lots for East Beach. This area is directly tributary to the New Bedford Outer Harbor (MA 95-63) and the project will help improve water quality to waters directly adjacent to City beaches. The grant documents including design plans, permitting and specifications were completed in June 2022. The City completed a phased implementation approach and construction budget. The City continues to work to secure a funding source for construction.

- **Brooklawn Park Constructed Wetlands:** In 2024 construction of constructed wetlands at the Brooklawn Park duck pond was completed. The constructed wetlands are designed to reduce the peak flow rate and improve the water quality that discharges to the Acushnet River (MA 95-33) via the overflow weir in the duck pond at outfall DP-200. This project cost $693,883.00 to complete.

  During the next reporting period the City will review SOP I-712 to update maintenance procedures for the constructed wetlands. The City will conduct routine maintenance in accordance with the updated SOP.

- **Hazelwood Park Congdon Lucas House and Coffin-Howland Cottage Buildings:** During this reporting period the City continued developing conceptual rehabilitation plans for the Congdon Lucas House and the Coffin-Howland Cottage House buildings in Hazelwood Park. The conceptual design development plans include the installation of a rain garden to collect and treat run off from the buildings. It is anticipated that during the next reporting period the design will be finalized.

- **Buttonwood Zoo:** The City in conjunction with the BBC applied for SNEP and BBNEP Grants to support the design of the BMPs for the Buttonwood Zoo to provide water quality improvements in the Buttonwood Brook. During this reporting period the BBC's Buttonwood to Bay project began the design of retrofitting of the Zoo with stormwater BMPs to reduce pollutant loading into the Buttonwood Brook. As part of the preliminary planning and conceptual design plans, the project reviewed the recommendation of the Master GI plan for rain gardens in the existing paved parking lot for the Zoo. Field investigations revealed that the discharge points from catch basins in the parking lot are located upland of the brook into abutting wooded areas (with no direct discharge into the brook).

  The primary intent of this project is to provide the greatest improvement to the water quality of the Brook by reducing pollutant loading from daily operations of the Zoo. It was determined that, although installing rain gardens in the parking lot could provide pre-treatment for run-off, the greatest impact to the Buttonwood Brook would be achieved through treating areas within the Zoo particularly from the animal enclosures. Therefore, the focus of the design for this grant funded project is limited to the animal enclosure areas. It is anticipated that design plans and bid documents will be completed during the next reporting period.

- **Pulaski Park Improvement** – During this reporting period the City secured funding and began developing plans for the redesign of the Pulaski Park. The improvements include stormwater management BMPs to retain and treat on-site stormwater run-off from impervious areas in the park. During the next reporting period the City will continue to develop construction documents for the project and secure funding for construction.

- **Riverside Park –** The City received a Grant from the Buzzards Bay Watershed Infrastructure and CCMP Support program to revert the man-made pond at the Riverside Park into a salt marsh. The pond area will be regraded and planted with low/high marsh plantings in an effort to restore tidal exchange (pre-textile industry era) with the Acushnet River. The project aims to also remove phragmites (an invasive species). The work will supplement the EPA salt marsh restoration work that has been completed. During this reporting period the City began developing contract and permitting documents.

City-Owned Parcels – DPI Projects

- **DPI Truck Shed:** During this reporting period the City began construction on a new truck shed at the DPI offices on Shawmut Avenue. Included in the design are BMP retrofits that include a new oil and water separator, a new hydrodynamic separator, and the utilization of existing stormwater detention basins to treat and detain runoff from the building and surrounding parking lot catchment. The City anticipates that construction of these BMPs will be completed during the next reporting period.

- **DPI Facility Parking Plan:** During this reporting period the DPI continued developing a conceptual parking and pedestrian circulation master plan to update parking areas that includes the installation of green infrastructure practices such as pervious pavers, rain

gardens and rain barrels. This project was a recommendation of the Master GI Plan and the City anticipates moving the conceptual plans to 100-percent design in 2026.

- **Howard Ave Pump Station:** During this reporting period the City completed the design for the reconstruction of the Howard Avenue Pump Station. The project includes the removal of impervious areas that are to be replaced with landscaping. The City anticipates the contract for construction will be awarded during the next reporting period.

- **Shawmut Ave Pump Station:** During this reporting period the City continued construction at the Shawmut Avenue Pump Station reconstruction project. The project includes the installation of a rain garden and is expected to be completed in the next reporting period.

- **Howland Street Pump Station:** During this reporting period the City continued construction at the Howland Street Pump Station rehabilitation project. The project includes the installation of a porous asphalt driveway and is expected to be completed in the next reporting period.

City-Owned Parcels – School Projects

- **New Bedford Public School's Central Kitchen:** The City's School Department completed construction on the redevelopment of an existing commercial site at 449 North Street to become a centralized kitchen for school lunches. The existing site, prior to the proposed improvements was 100-percent impervious. The proposed site redevelopment improvements included the installation of a stormwater infiltration system and pervious pavers that results in an overall reduction of impervious cover thereby reducing the overall runoff from the site and improvement to stormwater quality. The School Department will maintain the BMPs installed at this site. It should be noted that this project directly abuts the Buttonwood Brook watershed.

- **John B. DeValles Elementary School (New Construction):** The City's School Department began construction on the redevelopment of a former commercial and brownfield site (previously vacant lot) at Assessor's map parcel 23/158 WS Orchard Street. The proposed site redevelopment includes the installation of stormwater infiltration systems, stormwater retention systems, hydrodynamic separators, and deep sump catch basins with hoods to treat and retain runoff from new impervious areas. The City anticipates construction will be completed in 2026.

- **Elizabeth Carter Brooks Elementary School Modular Buildings:** The City's School Department began construction on the installation of modular classroom buildings and a new basketball court at the existing Elizabeth Carter Brooks Elementary School at 212 Nemasket Street. The proposed site redevelopment includes the installation of infiltration trenches and sub-surface infiltration systems. Additionally, the project will verify connectivity of existing drainage infrastructure into the City's storm-sewer network. The results of the investigation may lead to additional work on the existing storm drain system from the school property. The City anticipates the construction will be completed during the next reporting period.

- **New Bedford High School EV Bus Terminal:** During this reporting period the City's School Department designed and permitted the construction of a new Electric Vehicle Bus Terminal at the New Bedford High School. The new bus terminal will replace an existing parking lot with a network of existing catch basins that is situated on land with known contamination in the soils. Given the site limitations the School Department proposed the retrofit of a hydrodynamic separator to provide pre-treatment of the run-off collected from the parking lot. The City anticipates that the construction will be completed during the next reporting period.

- **New Bedford High School Health Building:** During this reporting period the City's School Department designed and permitted the construction of a new health building at the New Bedford High School. The design of stormwater mitigation at this location was limited by known soil contamination. The proposed improvements include surface conveyances of roof drains through designed ground surface depressions within landscaped areas and the retrofitting of a screening/filtering system on a downstream catch basin. The City anticipates construction will be completed in 2026.

City-Owned Parcels – New Bedford Housing Authority (NBHA) Projects

- **NBHA Boa Vista Parking Lots:** The NBHA designed and permitted rain gardens at the Boa Vista housing complex for a site improvement project in accordance with recommendations from the Master GI Plan. The construction of the rain gardens was completed in 2024. The NBHA will continue to maintain these rain gardens in accordance with the stormwater management permit and the site's operation and maintenance plan.

- **NBHA Dottin Place Parking Lots:** The NBHA submitted a stormwater management plan as part of the parking lot resurfacing project at the Dottin Place housing complex at 8 Amanda Avenue. The stormwater management plan includes the cleaning, inspection and installation of new catch basin hoods at all catch basins within the project area. It is anticipated that the NBHA will complete this project during the next reporting period.

- **NBHA Mosher Street Parking Lot:** During this reporting period the NBHA completed the resurfacing of the existing paved parking lot at the 16 Mosher Street housing complex. The project included the installation of a sub-surface infiltration system and deep sump catch basin with hood. The NBHA will complete inspection and maintenance of the BMP in accordance with the operations and maintenance plan submitted with the stormwater permit for the project.

- **NBHA Tabitha Lane Development:** The NBHA completed a development plan for a new housing complex at Assessor's map 90/214 SS Coggeshall Street. The redevelopment plan included the installation of new rain gardens and sub-surface infiltration BMPs. During this reporting period the NBHA placed plans on hold. There is currently no plan to move the project forward.

- **NBHA Adams Street Roof Replacement:** During this reporting period the NBHA began developing a stormwater management plan, in conformance with the City's SMRR, for the replacement of the roof at the housing development on Adams Street. The NBHA anticipates completing permitting and construction will be completed in 2026.

MCM 6: Good Housekeeping

Catch Basin Cleaning

The City developed SOPs and forms for catch basin inspections/cleanings in 2020 that utilize the ESRI™ Survey 123 application for data. In 2024 the City identified the need to have two levels of catch basin inspections. Two catch basin inspection forms in Survey 123 were developed, a level 1 inspection, and a level 2 inspection. The level 2 inspection form includes detailed information about catch basins including sump depth, pipe sizes, and a condition assessment of the basin. The level 1 inspection form only includes data input for maintenance including level of sediment and estimated percent full. During this reporting period level 1 and level 2 inspections were completed. Inspection results were used to identify locations and create work orders (created and maintained in Lucity™) for catch basin cleaning.

During this reporting period:

- Number of level 1 catch basin inspections: 125
- Number of level 2 catch basin inspections: 31
- Number of catch basins cleaned: 633
- Volume or mass of material removed: 817 cubic yards
- Number of catch basins in MS4: 3,058
- Number of catch basins in the City: 7,133

From July 2018 thru June 2025:

- Number of catch basins inspected: 5,034

In 2024 the City completed collecting baseline data in the Sassaquin Pond watershed area. The City intends to complete follow-up inspections (level 1 inspections) in this area during the next reporting period. The City will use the level 2 and level 1 inspection data to develop a recommended/baseline maintenance schedule to prevent catch basins from accumulating more the 50-percent full sumps.

During this reporting period the City continued collecting the baseline date beyond the Sassaquin Watershed area. The data collected from the catch basin monitoring program is also being utilized for the planning and installation of catch basin hood retrofits. The catch basin inspections assess the condition of existing hoods and record pipe outlet features. Inspection data will be used for ordering new hoods that City crews will install. Additionally, the data will be used to develop baseline maintenance schedules. To date the City has completed 222 level 2 inspections.

The City's combined sewer and drainage systems are intricately intertwined. The catch basin cleaning data presented here are for streets that are physically located within the 2010 Census MS4 Regulated Area regardless of whether they discharge to a drainage or combined sewer system.

During this reporting period the City located an additional 19 catch basins not previously mapped in the GIS. All catch basins in the City are GNSS located in GIS and Lucity™. Total catch basins that have been located include 3,058 MS4 catch basins and 4,075 catch basins in the combined sewer system and partially separated areas. In total there are 7,133 catch basins in the City.

Street Sweeping

Written procedures for sweeping streets and municipal-owned lots were developed in 2019 and were revised in 2022.

Data for curb miles swept is obtained through a review of driver logged odometer readings on the equipment at the beginning and end of a sweeper operating shift. The City's GIS staff continues to work with T-Mobile to integrate pre-defined sweeping routes into the system. Trial reports have begun but the pilot automated tracking program is still under development and will require additional configuration which will occur during the next reporting period.

Every street and municipal owned lot in the City was cleaned at a minimum of two (2) times during the reporting period and is reflected in the above data. Street sweeping is currently tracked using driver logs. During this reporting period the City completed:

- Total curb miles of streets cleaned: 12,572 miles
- Material removed: 2,630 cubic yards

Note: The City's combined sewer and drainage systems are intricately intertwined. The street sweeping data presented here are for streets that are physically located within the 2010 Census MS4 Regulated Area regardless of whether they discharge to a drainage or combined sewer system.

Standard of Appearance

The City identified 60 areas, mostly on main and secondary thoroughfares, that require continuous maintenance to uphold the City's *Standard of Appearance for the Public Realm* (Standard of Appearance). The intent of the Standard of Appearance program is to improve the aesthetics of the City through continuous maintenance that includes but is not limited to litter picking, sweeping, graffiti removal and grass trimming/removal. These activities also aim to reduce pollutant and nutrient loading to the City's storm water infrastructure. Each of the identified Standard of Appearance areas are routinely inspected and maintenance needs are reported. Coding for reported maintenance categories is programmed with weighted levels of priority assigned to each unique category to ensure response times are suitable to the maintenance need.

The Standard of Appearance monitoring and coding program is continuously updated. During this reporting period 584 inspections were completed in Standard of Appearance areas.

Winter Road Maintenance

During this reporting period the City reviewed the written procedures for winter road maintenance including the storage of salt and sand (formerly memorialized in 2019). No formal changes were made during this reporting period.

Specific use of organic de-icing agents was reviewed and assessed for the Sassaquin Pond drainage area with the goal of identifying a low/no-phosphorous and/or nitrogen option. The City continues to assess options for this area. Once an appropriate solution is developed, the City's SOP will be updated.

Inventory of Permittee-Owned Properties

The City completed the inventory of permittee-owned properties in the Year 2 reporting period (2019-2020). The City continues to review and update this list annually. An updated inventory can be found in **Attachment E**.

O&M Procedures for Parks and Open Spaces, Buildings and Facilities, and Vehicles and Equipment

The City has memorialized SOPs for parks and open spaces, buildings and facilities, and vehicles and equipment. The City continues to review and update SOPs as needed. During this reporting the City did not update any existing SOPs for Parks and Open Spaces, Buildings and Facilities or Vehicles and Equipment.

Stormwater Pollution Prevention Plan (SWPPP)

Draft SWPPPs for City owned vehicle/equipment maintenance and storage facilities were completed in 2020 and were based on the best available data at the time of the plan development. Initial field investigations of each facility were completed as part of the SWPPP development. During the SWPPP development, the City found that there was limited record plan data available for the various sites. GIS information was compiled based on historical knowledge and anecdotical information.

The DPI Facility SWPPP was finalized during permit Year 4 to include updates to the GIS mapping of existing stormwater treatment BMPs and the on-site storm drain network. As part of the DPI Facility SWPPP development, a full system investigation was completed (work included dye tests, pipe cleaning, manhole and catch basin inspections, etc.). During this reporting period no updates were made to the DPI Facility SWPPP and four quarterly SWPPP inspections were completed in Survey 123. Inspection reports are included in **Attachment F** in accordance with the SWMP.

The City also developed a DPI Facility SWPPP training program in permit Year 4. The training program provides background on the DPI Facility's existing stormwater infrastructure, tributary watersheds and guidance on good housekeeping practices that are to be followed during daily operations. The DPI Facility SWPPP training program was presented to 140 DPI field employees in June 2025.

After further development of the DPI Facility SWPPP, the City determined that a comprehensive review of the draft Brooklawn Garage and Central Garage Facility SWPPPs would be needed before finalizing the documents. The City developed an approach that included multiple site visits to verify information/mapping, drain and sewer system investigations (dye tests, CCTV, etc.) and maintenance as required to complete system mapping. The information gathered from these investigations will be used to finalize the SWPPPs.

During this reporting period the City conducted a walk-through inspection of the Brooklawn Garage Facility and completed an investigation of the on-site stormwater infrastructure and catchment area. The City also developed draft revisions and it is anticipated that the Brooklawn SWPPP will be finalized and begin routine inspections during the next reporting period.

During this reporting period the City completed a comprehensive site walk at the Central Garage and began investigating the infrastructure mapping. During the next reporting period the City anticipates developing draft revisions and finalizing mapping. It is anticipated that the Central Garage Facility SWPPP will be completed in 2027.

O&M Procedures for Stormwater Treatment Structures

In 2019 the City developed SOP I-712, "Structural Stormwater BMPs. Since the development of SOP I-712, the City has completed the construction of various stormwater treatment and management BMPs as outlined in MCM 5. During the next reporting period the City anticipates updates to SOP I-712 will be completed to include new specific preventive maintenance tasks in Lucity™ and inspection procedures in Survey123 for City owned BMPs.

During this reporting period the City continued conducting field surveys to update City-owned stormwater BMPs that are GPS located and within the City's GIS network. During the next reporting period the survey will be completed, and GIS mapping will be updated to reflect the changes.

The following activities were completed in the current reporting period:

- **Detention Ponds** – The City conducted cleaning and maintenance on 24 City owned detention ponds twice during the reporting period. Work orders are created and stored in Lucity™. The City currently maintains 30 detention ponds.
- **Jelly Fish** – The City cleaned and maintained the Jellyfish structure on Leroy Street at Sassaquin Pond and its supporting catchment system. All material and debris were removed and disposed of from the Jellyfish sump. During this reporting period the City completed two cleanings in accordance with SOP I-712.
- **Tree Filter Boxes** – The City is installing one new tree filter box at Buttonwood Park during the next reporting period. During this reporting period the City completed the construction of four tree filter boxes. To date the City has completed the installation of nine tree filter boxes. The City anticipates that inspections of the nine installed tree filter boxes will be completed and a schedule for maintenance will be developed during the next reporting period.
- **Rain Gardens** – The City is installing one new rain garden on Elm Street, one on Commercial Street, one at the Shawmut Avenue pump station, four at Buttonwood Park, and nineteen on West Rodney French Boulevard. To date the City has completed the installation of six rain gardens.
- **Bioswales** –During the next reporting period the City anticipates upgrades to the two bio-swales at Sassaquin Pond will be completed. Subsequent updates to SOP I-712 will be completed during the next reporting period. To date the City has installed three bioswales.

- **Constructed Wetlands** –To date the City has installed one constructed wetland at Brooklawn Park. During the next reporting period the City anticipates inspections and maintenance will be completed in accordance with updates to SOP I-712.

- **Sub-Surface Infiltration Systems & Infiltration Trenches** –During this reporting period the City completed the construction of one infiltration trench on Walnut Street. During the next reporting period the City anticipates construction will be completed on seven infiltration trenches along Kempton Street. The New Bedford School Department and NBHA are also installing sub-surface infiltration systems and infiltration trenches on projects beginning and/or continuing during the next reporting period. To date the City has completed the installation of one infiltration trench and one sub-surface recharge system (installed for the School Department).

- **Pervious Pavers and Pavement** – During this reporting period the City completed the construction of a pervious patio area at the New Bedford Public School Central Kitchen. The City anticipates construction will be completed during the next reporting period on the Brownell Avenue pervious paver parking area. It is anticipated that the construction of the porous pavement driveway at the Howland Pumping Station will be completed 2025. To date the City has completed one pervious paver installation (installed for the School Department).

- **Leaching Catch Basins** – The City currently maintains two leaching catch basins. A third is being designed as part of the Sassaquin Pond Phase I stormwater project. Construction of this is expected to be completed during the next reporting period. The City anticipates completing inspections on the existing leaching basins during the next reporting period to develop a schedule for maintenance.

- **Oil/Water Separators** – The City currently maintains two oil/water separators at City maintenance facilities. The City anticipates a new oil/water separator, and a hydrodynamic separator will be installed at the DPI Facility during the next reporting period.

  Additionally, there are two hydrodynamic separators at the intersection of Kempton Street and Brownell Avenue. During this reporting period the City updated stormwater mapping to include these BMPs. During the next reporting period the City anticipates completing inspections to develop a maintenance schedule for these two hydrodynamic separators.

Additional Information

Nitrogen Source Identification Report

In Year 4 the City completed various initiatives simultaneously, that collectively will be used in the development of the nitrogen source identification report. The City completed the Master GI Plan on June 30, 2022. The plan includes an analysis of the City's drainage infrastructure and development of appropriate BMPs based on several factors including but not limited to receiving water impairments. The plan also analyzed all City owned properties for potential retrofits of green infrastructure that would reduce pollutant loading. In addition, the City continued efforts to complete sampling and investigations of outfalls and interconnections. Because these ongoing

initiatives directly impact the anticipated recommendations of the Nitrogen Source Identification Report, the City delayed completion until the ongoing projects could be completed.

During this reporting period the City provided a notice to proceed to its consultant to develop a nitrogen source identification report. It is anticipated the City will complete this report during the next reporting period.

Administrative Order MS4 Mandates

In December 2019, the City received an Administrative Order (AO) from the EPA which requires accelerated MS4 actions. The AO was subsequently modified in June 2025 which provided schedule modifications, additional IDDE requirements, and a requirement for the City to update its 2017 Long Term CSO Control and Integrated Capital Improvements Plan. In accordance with MS4 actions required under the Administrative Order, the City is required to complete IDDE investigations in areas tributary to DP-200, DP-133, DP-122/201, Outfall 023, Outfall 024, and Outfall 016. In addition to the AO mandated areas, IDDE investigations were also required under AO project CSO 1E - 003B IDDE Program and CSO 8A – 026 and 027C IDDE Program. Work in DP 200 was previously completed. During this reporting year, additional IDDE investigations occurred in DP 200, Outfall 024, and Outfall 026 tributary areas including wet weather investigations, dry weather investigations, dye testing and CCTV investigations.

Based on the work completed to date, the following summarizes the status of each of the above areas:

- DP-200 – 100-percent complete
- DP-133 – 100-percent complete
- DP-122/201 – 100-percent complete
- Outfall 003 – 100-percent complete
- Outfall 023 – 100-percent complete
- Outfall 024 – 100-percent complete
- Outfall 026 – 100-percent complete
- Outfall 027 – 100-percent complete
- Outfall 016 – 100-percent complete

In addition to the above areas, IDDE investigations are taking place in drainage areas tributary to drainage connections downstream of CSO regulators. Approximately 50-percent of the work is complete on those IDDE efforts.

During this reporting period the City executed a contract with CDM to remove 28 illicit connections as explained in the MCM 3 section of this report.

Monitoring or Study Results

Results from any other stormwater or receiving water quality monitoring or studies conducted during the reporting period not otherwise mentioned previously, where the data is being used to inform permit compliance or permit effectiveness are not applicable:

- N/A

Additional Information

The following additional information supports compliance with the permit:

- A stormwater permit process continues to be implemented and the City is being vigilant in enforcing the SMRR. During this reporting period and in addition to full site plan reviews the City reviewed permits for residential additions, residential foundations, commercial parking lots and re-roofing projects.
- During this reporting period, the City completed its 311 constituent service request application, in collaboration with Granicus. The NBConnected system went live in February 2025. In this reporting period, a total of 1216 app downloads were logged and a 530 total requests were created by residents.
- The City developed a New Bedford Resilient website (https://nbresilient.com/home) in 2021 that provides informational documents on resiliency, encompassing the use of nature-based solutions to address issues associated with climate change. It also contains City plans for stormwater related topics such as green infrastructure, natural resource protection and lowering the City's carbon footprint. The website is maintained and updated by the City, evolving with industry standards, scientific information available and City plans/initiatives.
- During this reporting period, the City continued to collaborate with the Buzzards Bay Coalition (BBC) on a wet and dry weather sampling program in Buttonwood Brook. The goal of the program is to develop a TMDL and develop recommendations for stormwater system improvements to address water quality issues.

Activities Planned for Next Reporting Period

<u>Year 7 Activities</u>

- Continue internal review of the SMRRs and Stormwater Ordinance
- Complete the Nitrogen Source Identification Report
- Finalize the Brooklawn Garage SWPPP
- Complete revisions on the Central Garage Facility SWPPP
- Continue implementing recommendations from the Sassaquin Pond Watershed Plan
- Continue updating and refining the public outreach program
- Continue implementing stormwater retrofits on City projects
- Continue Catch Basin Monitoring Program survey
- Begin constructing stormwater retrofits that are designed and funded
- Update the Stormwater BMP SOP to include new BMPs installed in the City

- Continue wet weather sampling program
- Begin construction of illicit discharge removals
- Develop educational message for septic system maintenance

Annual Requirements

- Annual report submitted and available to the public
- Annual opportunity for public participation in review and implementation of SWMP
- Keep records relating to the permit available for 5 years and make available to the public
- Properly store and dispose of catch basin cleanings and street sweepings so they do not discharge receiving waters
- Annual training to employees involved in IDDE program
- Update inventory of known locations where SSOs have discharged to the MS4 in the last 5 years
- Continue public education and outreach program
- Update outfall and interconnection inventory and priority ranking and include data collected in connection with the dry weather screening and other relevant inspections conducted
- Continue implementation of the IDDE program, including starting the design of the removal of illicit connections
- Review site plans of construction sites as part of the construction stormwater runoff control
- Conduct site inspection of construction sites as necessary
- Inspect and maintain stormwater treatment structures
- Log catch basins cleaned or inspected
- Sweep curbed streets at least twice annually
- Continue investigations of catchments associated with Problem Outfalls
- Review inventory of all permittee-owned facilities in the categories of parks and open space, buildings and facilities, and vehicles and equipment; update if necessary
- Review and revise SOPs
- Implement DPI Yard Facility SWPPP

In December 2019, the City received an Administrative Order from the EPA which requires accelerated MS4 actions. The following summarizes the Administrative Order MS4 action to be completed in the Year 7 MS4 reporting period (July 1, 2025 through June 30, 2026):

- Begin construction on illicit connection removals

Section 5

Certification of Small MS4 Annual Report 2025 CFR 144.32(d) Certification

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, I certify that 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.

Name: Jamie Ponte

Title: DPI Commissioner

Signature: 

Date: 9/24/25