

# QUARTERLY OPERATIONS REPORT

DISTRICT OF COLUMBIA

COMBINED SEWER OVERFLOW FACILITIES

THIRD QUARTER, 2024

Prepared By:

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**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For**  
***Combined Sewer System***

**Month: July 2024**

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WATER AND SEWER AUTHORITY  
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*Monthly Operations Report for Combined Sewer System*  
*Month: July 2024*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water’s advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 07/02/2024     | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 07/02/2024     | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 07/02/2024     | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 07/02/2024     | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 07/02/2024     | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 07/17/2024     | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 07/17/2024     | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 07/17/2024     | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 07/11/2024     | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 07/11/2024     | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 07/11/2024     | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 07/16/2024     | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 07/16/2024     | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 07/17/2024     | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 07/02/2024     | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 07/16/2024     | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 07/31/2024     | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 07/02/2024     | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 07/02/2024     | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 07/02/2024     | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 07/02/2024     | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 07/02/2024     | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 07/02/2024     | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 07/10/2024     | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 07/10/2024     | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 07/10/2024     | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 07/02/2024     | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 07/02/2024     | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 07/10/2024     | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 07/10/2024     | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 07/10/2024     | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 07/10/2024     | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 07/10/2024     | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 07/10/2024     | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 07/10/2024     | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 07/15/2024     | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 07/15/2024     | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 07/15/2024     | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 07/15/2024     | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 07/15/2024     | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 07/22/2024     | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 07/15/2024     | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 07/22/2024     | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 07/18/2024     | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 07/15/2024     | *         |            |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW  | 022                      | 07/15/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 07/03/2024     | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 07/03/2024     | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 07/03/2024     | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 07/03/2024     | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 07/15/2024     | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 07/15/2024     | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 07/15/2024     | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 07/15/2024     | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 07/15/2024     | *         |            |             |                |
| 41b <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 41c <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 42 <sup>1</sup>  | Wisconsin Ave and K Street, NW                                     | 026                      | N/A            |           |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 07/15/2024     | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 07/15/2024     | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 07/15/2024     | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 07/03/2024     | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 07/03/2024     | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 07/03/2024     | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 07/03/2024     | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 07/03/2024     | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 07/03/2024     | *         |            |             |                |
| 49 <sup>1</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 07/22/2024     | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 07/22/2024     | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 07/11/2024     | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 07/11/2024     | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 07/18/2024     | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 07/18/2024     | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 07/03/2024     | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 07/03/2024     | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 07/22/2024     | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 07/22/2024     | *         |            |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 07/22/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 07/22/2024     | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 07/22/2024     | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 07/17/2024     | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 07/17/2024     | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 07/17/2024     | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 07/17/2024     | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 07/23/2024     | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 07/23/2024     | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 07/23/2024     | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 07/23/2024     | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 07/23/2024     | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 07/23/2024     | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 07/23/2024     | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 07/23/2024     | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 07/23/2024     | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 07/17/2024     | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 07/22/2024     | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 07/22/2024     | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 07/22/2024     | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 07/22/2024     | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 07/23/2024     | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 07/23/2024     | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 07/23/2024     | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 07/22/2024     | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 07/22/2024     | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 07/09/2024     | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 07/09/2024     | *         |            |             |                |
| 89               | First and V St, NW (First St Tunnel)   | 019                      | 07/09/2024     | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 07/09/2024     | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 07/09/2024     | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 07/16/2024     | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 07/16/2024     | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 07/02/2024     | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 07/16/2024     | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 07/16/2024     | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 – 012                | 07/24/2024     | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 07/11/2024     | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 07/11/2024     | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 07/10/2024     | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 07/10/2024     | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 07/10/2024     | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 07/10/2024     | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 07/10/2024     | *         |            |             |                |
| 106              | R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)  | 019                      | 07/09/2024     | *         |            |             |                |
| 107              | Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)                             | 019                      | 07/09/2024     | *         |            |             |                |
| 108              | T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)  | 019                      | 07/09/2024     | *         |            |             |                |
| 109              | 4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)                                    | 019                      | 07/09/2024     | *         |            |             |                |
| 110              | Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)                   | 019                      | 07/09/2024     | *         |            |             |                |
| 111a             | Mount Olivet Road Junction Chamber (MOR-JC)   | 019                      | 07/09/2024     | *         |            |             |                |
| 111b             | Mount Olivet Road Diversion Chamber (MOR-DC)  | 019                      | 07/09/2024     | *         |            |             |                |
| 111c             | Mount Olivet Road Drop Shaft (MOR-DS)   | 019                      | 07/09/2024     | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.



## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2**  
**Outfalls and Tide Gates**

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 07/10/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 07/16/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 07/17/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 07/17/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 07/17/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 07/16/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 07/16/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 07/16/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025 <sup>1</sup> | South of 31st and K Streets, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 026 <sup>1</sup> | Wisconsin Avenue and Water Street, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 07/01/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 07/01/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 07/01/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 07/22/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.         | 07/22/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW                    | 07/22/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 07/22/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 07/29/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 07/17/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 07/01/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 07/23/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 07/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 07/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 07/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 07/22/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 07/22/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 07/22/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 07/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 07/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 07/29/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.

### 2.3 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>     | <i>Reason</i>                | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i>   |
|------------------------|---------------------------|--------------------|------------------|--|------------------|------------------------------|--------------------------|---|
| Main                   | 31                        | 3                  | 4                | None                                   | -                | -                            | -                        | -                                       |
| O Street               | 31                        | 2                  | 4                | Pump #1                                | 7/1/24 – 7/31/24 | O street pump #1 VFD failure | 24-348942                | Anticipated return to service 8/16/2024 |
| Eastside               | 1                         | 2                  | 4                | None                                   | -                | -                            | -                        | -                                       |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -                | -                            | -                        | -                                       |
| Potomac                | 31                        | 4                  | 5                | None                                   | -                | -                            | -                        | -                                       |

Notes:

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i> | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed<sup>1</sup></i> | <i>Work Order Number</i> | <i>Comments</i>   |
|------------------------|-----------------------|---|--------------------------|---|
| Main                   | 7/3/24                | Group A   | 24-515237                | Add oil, grease bearings and replace packing if needed. |
| O St                   | 7/4/24                | Group A   | 24-531981                | Add oil, grease bearings and replace packing if needed. |
| Eastside               | 7/25/24               | Group A   | 24-528990                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point           | 7/16/24               | Group A   | 24-519768                | Add oil, grease bearings and replace packing if needed. |
| Potomac                | 7/30/24               | Group A   | 24-534211                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek             | 7/17/24               | Group A   | 24-507836                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia        | 7/9/24                | Group A   | 24-519831                | Add oil, grease bearings and replace packing if needed. |
| Earl Place             | 7/16/24               | Group A   | 24-495460                | Add oil, grease bearings and replace packing if needed. |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vactor truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required

**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i> | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> |
|------------------------|------------------------------|--------------------------------------|--|
|                        | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  |
| Main <sup>1,2,3</sup>  | 1355*                        | 43.72*                               | N/A  |
| O St <sup>1,2</sup>    | 452.36                       | 14.59                                | N/A  |
| Eastside               | 139.94                       | 4.51                                 | N/A  |
| Poplar Point           | 306.02                       | 9.87                                 | N/A  |
| Potomac                | 3334.86                      | 107.58                               | N/A  |
| Rock Creek             | 32.99                        | 1.06                                 | N/A  |
| Upper Anacostia        | 33.45                        | 1.08                                 | N/A  |
| Earl Place             | 0.081                        | 0.003                                | N/A  |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.
3. On October 3, 2023, the Main PS M1 flow meter sensor failed due to water damage. Instrumentation replaced the sensors for M1 and adjusted the sensors for M2. See WO# 23-605881 Full replacement is scheduled for July 2024, awaiting parts. \*Values above are estimated using pump data.

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6  
Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i> | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|---------------|---------------------------------------|
| 14 – East                          | 7/11/24               | No  | N/A                         | Note 1        | N/A                                   |
| 14 – West                          | 7/11/24               | No  | N/A                         | Note 1        | N/A                                   |
| 15                                 | 7/11/24               | No  | N/A                         | N/A           | N/A                                   |
|                                    | 7/26/24               | Yes   | 7/26/24                     | Note 2        | 7/26/24                               |
|                                    | 7/27/24               | Yes   | 7/27/24                     | Note 3        | 7/27/24                               |
|                                    | 7/29/24               | Yes   | 7/29/24                     | Note 4        | 7/29/24                               |
| 15A                                | 7/11/24               | No  | N/A                         | N/A           | N/A                                   |
| 16 – East                          | 7/11/24               | No  | N/A                         | Note 1        | N/A                                   |
|                                    | 7/29/24               | Yes   | 7/29/24                     | Note 5        | 7/29/24                               |
|                                    | 7/30/24               | Yes   | 7/30/24                     | Note 6        | 7/30/24                               |
| 16 – West                          | 7/11/24               | No  | N/A                         | Note 1        | N/A                                   |
|                                    | 7/29/24               | Yes   | 7/29/24                     | Note 5        | 7/29/24                               |
|                                    | 7/30/24               | Yes   | 7/30/24                     | Note 6        | 7/30/24                               |
| 34                                 | 7/18/24               | No  | N/A                         | N/A           | N/A                                   |
| 35                                 | 7/18/24               | No  | N/A                         | N/A           | N/A                                   |
| 52                                 | 7/18/24               | No  | N/A                         | N/A           | N/A                                   |

Notes:

- As notified in the letter to EPA June 15, 2023 and February 28, 2024 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.
- On 7/26/2024 Structure 15 deflated around 3:00pm due to losing level signal. Instrumentation was notified and the structure was reinflated and returned to service within two hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-585092.
- On 7/27/2024 Structure 15 deflated around 2:15pm due to upstream level sensor failure. Instrumentation was notified and the structure was reinflated and returned to service within ten hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-585210.
- On 7/29/2024 Structure 15 deflated around 9:14am due to Instrumentation presence in the structure and to adjust simulated level signal. The structure was reinflated and returned to service within four hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.

5. On 7/29/2024 Structure 16 East and West were manually deflated around 10:36am to allow tide gate inspection work. The structure was reinflated and returned to service within five hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.
6. On 7/30/2024 Structure 16 East and West were manually deflated around 8:54am to allow tide gate inspection work. The structure was reinflated and returned to service within eight hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.

**Table 2-7  
Inflatable Dams & SCADA Sites – Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>7/31/2024</i>          | <i>5mins</i>   | <i>Deflated</i>                          |
| 35                                  | <i>7/31/2024</i>          | <i>33mins</i>  | <i>Deflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
|                                     |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | None                      | N/A  |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | Operational               | Open   |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

### 3. DRY WEATHER OVERFLOWS

There was no dry weather combined sewer overflow reported during July 2024.



#### 4. SOLIDS AND FLOATABLES CONTROL

##### 4.1 Catch Basin Cleaning

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                               | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |             |                         |             |                                     |             |
|------------------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|-------------|-------------------------|-------------|-------------------------------------|-------------|
|                                    |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |             | CB's Cleaned This Month |             | Total CBs Cleaned This Year to Date |             |
|                                    |                          |                          |                         |  |   | Total                       | In CSS      | Total                   | In CSS      | Total                               | In CSS      |
| 1                                  | 1467                     | 1442                     | 655                     | 601  | 14  | 82                          | 62          | 204                     | 203         | 286                                 | 265         |
| 2                                  | 2832                     | 2647                     | 486                     | 429  | 53  | 222                         | 47          | 550                     | 548         | 772                                 | 595         |
| 3                                  | 3720                     | 183                      | 0                       | 0  | 0   | 3484                        | 7           | 178                     | 164         | 3662                                | 171         |
| 4                                  | 3521                     | 1729                     | 0                       | 0  | 0   | 2660                        | 876         | 546                     | 544         | 3206                                | 1420        |
| 5                                  | 4066                     | 1758                     | 1693                    | 959  | 2   | 2287                        | 6           | 32                      | 25          | 2319                                | 31          |
| 6                                  | 3333                     | 2692                     | 2676                    | 2020   | 16  | 640                         | 23          | 8                       | 8           | 648                                 | 31          |
| 7                                  | 3879                     | 43                       | 43                      | 29   | 0   | 3833                        | 0           | 0                       | 0           | 3833                                | 0           |
| 8                                  | 2930                     | 213                      | 212                     | 176  | 0   | 2730                        | 0           | 1                       | 0           | 2731                                | 0           |
| <b>Grand Total</b>                 | <b>25748<sup>1</sup></b> | <b>10707<sup>1</sup></b> | <b>5765<sup>1</sup></b> | <b>4214</b>                                  | <b>85</b>                                     | <b>15938</b>                | <b>1021</b> | <b>1519</b>             | <b>1492</b> | <b>17457</b>                        | <b>2513</b> |
| <b>% Cleaned/Inspected to Date</b> |                          |                          |                         | <b>73%</b>                                   | <b>1%</b>                                     |                             |             |                         |             | <b>68%</b>                          | <b>23%</b>  |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 07/17/2024            | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 07/01/2024            | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.

**4.3 Anacostia River Floating Debris Removal Program**

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |  |
|-----------------------------------|--|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting  |
| <i>Work Days this month:</i>      | 22   |
| <i>Days not Operating</i>         | 4  |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels.   |
| <i># Skimmer in Fleet</i>         | 3 Skimmers   |
| <i># Skimmers Out of Service</i>  | 3 Skimmers   |
| <i>Dates</i>                      | B33: Jul 1 - Jul 31. B34 Jul 10 and 12. B37: Jul 1 - Jul 16.   |
| <i>Reason</i>                     | B33: Air-conditioning not working.<br>B34: Hydraulic fluid leak on starboard propulsion hoses.<br>B37: Broken welds on starboard wing. |
| <i>Plan to Restore to Service</i> | B33: Parts on order, ETR August.<br>B34: Returned to operations on Jul 11 and Jul 13.<br>B37: Returned to operations on Jul 17.        |
| <i>Amount Material Collected</i>  | 3 tons this month. Calendar year to date 133 tons.   |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.  |

**4.4 CSS Litter Control**

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

**5. MONITORING**

**5.1 Condition Report Bar Racks at Main and O Street Storm Pumps**

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

| Pumping Station                             | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|----------------|-----------|------------|-------------------|-------------|---|
|   |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | 7/28/2024      | X         |            | 24-564352         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | 7/28/2024      | X         |            | 24-564345         |             |   |

## **5.2 Rain Data**

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.

| Date         | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|--------------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 7/1/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/2/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/3/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/4/2024     | 0.04                      | 0.03                          | 0.03                 | 0.04                       | 0.26             |
| 7/5/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/6/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/7/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/8/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/9/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/10/2024    | 0.02                      | 0                             | 0.09                 | 0.07                       | 0.13             |
| 7/11/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/12/2024    | 0.09                      | 0.17                          | 0.18                 | 0.12                       | 0.15             |
| 7/13/2024    | 0.02                      | 0.04                          | 0.04                 | 0.05                       | 0.05             |
| 7/14/2024    | 0                         | 0.02                          | 0                    | 0                          | 0                |
| 7/15/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/16/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/17/2024    | 0.29                      | 0.19                          | 0.68                 | 0.32                       | 0.48             |
| 7/18/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/19/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/20/2024    | 0.02                      | 0.06                          | 0.02                 | 0.05                       | 0.02             |
| 7/21/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/22/2024    | 0.66                      | 0.64                          | 1.07                 | 0.93                       | 1.57             |
| 7/23/2024    | 0.02                      | 0                             | 0.01                 | 0.01                       | 0.01             |
| 7/24/2024    | 0.01                      | 0.12                          | 0                    | 0                          | 0                |
| 7/25/2024    | 0                         | 0.01                          | 0.35                 | 0.01                       | 1.28             |
| 7/26/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/27/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/28/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 7/29/2024    | 0                         | 0.03                          | 0.09                 | 0.09                       | 0.26             |
| 7/30/2024    | 0.01                      | 0                             | 0.03                 | 0.01                       | 0.04             |
| 7/31/2024    | 0.41                      | 0.61                          | 0.64                 | 0.68                       | 0.57             |
| <b>TOTAL</b> | <b>1.18</b>               | <b>1.31</b>                   | <b>2.59</b>          | <b>1.70</b>                | <b>4.25</b>      |

### **5.3 Wet Weather Overflows**

The wet weather overflow data for this quarter is reported below in the Combined Sewer System Modeled and Metered Quarterly Results table located in Section 5.3 of the September 2024 Report.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For**  
***Combined Sewer System***

**Month: August 2024**

**Prepared By:**  
District of Columbia  
Water and Sewer Authority  
Department of  
Pumping and Sewer Operations  
Washington, D.C. 20003



DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*Monthly Operations Report for Combined Sewer System*  
*Month: August 2024*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water’s advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 08/07/2024     | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 08/07/2024     | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 08/07/2024     | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 08/07/2024     | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 08/07/2024     | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 08/15/2024     | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 08/28/2024     | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 08/15/2024     | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 08/15/2024     | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 08/15/2024     | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 08/15/2024     | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 08/22/2024     | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 08/22/2024     | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 08/15/2024     | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 08/22/2024     | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 08/22/2024     | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 08/29/2024     | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 08/27/2024     | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 08/22/2024     | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 08/27/2024     | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 08/27/2024     | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 08/27/2024     | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 08/27/2024     | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 08/06/2024     | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 08/06/2024     | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 08/06/2024     | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 08/06/2024     | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 08/06/2024     | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 08/14/2024     | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 08/14/2024     | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 08/14/2024     | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 08/14/2024     | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 08/14/2024     | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 08/14/2024     | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 08/14/2024     | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 08/01/2024     | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 08/01/2024     | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 08/01/2024     | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 08/01/2024     | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 08/01/2024     | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 08/15/2024     | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 08/01/2024     | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 08/15/2024     | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 08/15/2024     | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 08/01/2024     | *         |            |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW  | 022                      | 08/01/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 08/01/2024     | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 08/01/2024     | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 08/01/2024     | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 08/01/2024     | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 08/01/2024     | *         |            |             |                |
| 41b <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 41c <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 42 <sup>1</sup>  | Wisconsin Ave and K Street, NW                                     | 026                      | N/A            |           |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 08/01/2024     | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 08/01/2024     | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 08/01/2024     | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 08/05/2024     | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 08/05/2024     | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 08/05/2024     | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 08/05/2024     | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 08/05/2024     | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 08/05/2024     | *         |            |             |                |
| 49 <sup>1</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 08/21/2024     | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 08/21/2024     | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 08/15/2024     | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 08/15/2024     | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 08/21/2024     | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 08/01/2024     | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 08/01/2024     | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 08/12/2024     | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 08/12/2024     | *         |            |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 08/12/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 08/12/2024     | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 08/12/2024     | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 08/05/2024     | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 08/05/2024     | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 08/05/2024     | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 08/21/2024     | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 08/21/2024     | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 08/21/2024     | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 08/21/2024     | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 08/21/2024     | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 08/21/2024     | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 08/21/2024     | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 08/21/2024     | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 08/21/2024     | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 08/21/2024     | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 08/05/2024     | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 08/06/2024     | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 08/12/2024     | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 08/12/2024     | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 08/12/2024     | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 08/14/2024     | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 08/14/2024     | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 08/14/2024     | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 08/12/2024     | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 08/12/2024     | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 08/13/2024     | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 08/13/2024     | *         |            |             |                |
| 89               | First and V St, NW (First St Tunnel)   | 019                      | 08/13/2024     | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 08/13/2024     | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 08/13/2024     | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 08/28/2024     | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 08/28/2024     | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 08/06/2024     | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 08/07/2024     | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 08/07/2024     | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 – 012                | 08/15/2024     | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 08/15/2024     | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 08/15/2024     | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 08/22/2024     | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 08/22/2024     | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 08/26/2024     | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 08/22/2024     | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 08/22/2024     | *         |            |             |                |
| 106              | R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)  | 019                      | 08/13/2024     | *         |            |             |                |
| 107              | Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)                             | 019                      | 08/13/2024     | *         |            |             |                |
| 108              | T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)  | 019                      | 08/13/2024     | *         |            |             |                |
| 109              | 4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)                                    | 019                      | 08/13/2024     | *         |            |             |                |
| 110              | Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)                   | 019                      | 08/13/2024     | *         |            |             |                |
| 111a             | Mount Olivet Road Junction Chamber (MOR-JC)   | 019                      | 08/13/2024     | *         |            |             |                |
| 111b             | Mount Olivet Road Diversion Chamber (MOR-DC)  | 019                      | 08/13/2024     | *         |            |             |                |
| 111c             | Mount Olivet Road Drop Shaft (MOR-DS)   | 019                      | 08/13/2024     | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.

## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2**  
**Outfalls and Tide Gates**

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 08/22/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 08/07/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 08/28/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 08/28/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 08/28/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 08/27/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 08/27/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 08/27/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 08/27/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025 <sup>1</sup> | South of 31st and K Streets, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 026 <sup>1</sup> | Wisconsin Avenue and Water Street, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 08/27/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 08/27/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 08/27/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 08/21/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.         | 08/21/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW                    | 08/12/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 08/12/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 08/05/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 08/05/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 08/05/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 08/21/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 08/21/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 08/21/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 08/21/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 08/06/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 08/28/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 08/14/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.



### 2.3 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>     | <i>Reason</i>                | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i> |
|------------------------|---------------------------|--------------------|------------------|--|------------------|------------------------------|--------------------------|---------------------------------------|
| Main                   | 31                        | 3                  | 4                | None                                   | -                | -                            | -                        | -                                     |
| O Street               | 31                        | 2                  | 4                | Pump #1                                | 8/1/24 – 8/15/24 | O street pump #1 VFD failure | 24-348942                | Returned to service 8/16/2024         |
| Eastside               | 1                         | 2                  | 4                | None                                   | -                | -                            | -                        | -                                     |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -                | -                            | -                        | -                                     |
| Potomac                | 31                        | 4                  | 5                | Pump #4                                | 8/1/24-8/31/24   | Control board shorted out.   | 24-609732                | Anticipated return to service 9/30/24 |

Notes:

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i> | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed<sup>1</sup></i> | <i>Work Order Number</i> | <i>Comments</i>   |
|------------------------|-----------------------|---|--------------------------|---|
| Main                   | 8/3/2024              | Group A   | 24-577170                | Add oil, grease bearings and replace packing if needed. |
| O St                   | 8/3/2024              | Group A   | 24-591137                | Add oil, grease bearings and replace packing if needed. |
| Eastside               | 8/7/2024              | Group A   | 24-587239                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point           | 8/7/2024              | Group A   | 24-581644                | Add oil, grease bearings and replace packing if needed. |
| Potomac                | 8/3/2024              | Group A   | 24-594345                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek             | 8/7/2024              | Group A   | 24-566847                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia        | 8/4/2024              | Group A   | 24-581953                | Add oil, grease bearings and replace packing if needed. |
| Earl Place             | 8/7/2024              | Group A   | 24-543496                | Add oil, grease bearings and replace packing if needed. |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vactor truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required

**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i> | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> |
|------------------------|------------------------------|--------------------------------------|--|
|                        | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  |
| Main <sup>1,2,3</sup>  | 646.34                       | 20.85                                | N/A  |
| O St <sup>1,2</sup>    | 440.17                       | 14.20                                | N/A  |
| Eastside               | 173.18                       | 5.59                                 | N/A  |
| Poplar Point           | 310.57                       | 10.02                                | N/A  |
| Potomac                | 3454.73                      | 111.44                               | N/A  |
| Rock Creek             | 57.54                        | 1.86                                 | N/A  |
| Upper Anacostia        | 34.04                        | 1.10                                 | N/A  |
| Earl Place             | 0.1892                       | 0.0061                               | N/A  |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.
3. On October 3, 2023, the Main PS M1 flow meter sensor failed due to water damage. Instrumentation replaced the sensors for M1 and adjusted the sensors for M2. See WO# 23-605881. Replacement was completed on August 12, 2024.

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6  
Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i> | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|---------------|---------------------------------------|
| 14 – East                          | 8/14/24               | <b>Yes</b>                                      | <b>8/14/24</b>              | <b>Note 3</b> | <b>Note 3</b>                         |
|                                    | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>Note 1</b> | <b>N/A</b>                            |
|                                    | 8/28/24               | <b>Yes</b>                                      | <b>8/28/24</b>              | <b>Note 6</b> | <b>Note 6</b>                         |
| 14 – West                          | 8/14/24               | <b>Yes</b>                                      | <b>8/14/24</b>              | <b>Note 3</b> | <b>Note 3</b>                         |
|                                    | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>Note 1</b> | <b>N/A</b>                            |
|                                    | 8/28/24               | <b>Yes</b>                                      | <b>8/28/24</b>              | <b>Note 6</b> | <b>Note 6</b>                         |
| 15                                 | 8/7/24                | <b>Yes</b>                                      | <b>8/7/24</b>               | <b>Note 2</b> | <b>8/7/24</b>                         |
|                                    | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>    | <b>N/A</b>                            |
| 15A                                | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>    | <b>N/A</b>                            |
| 16 – East                          | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>Note 1</b> | <b>N/A</b>                            |
|                                    | 8/21/24               | <b>Yes</b>                                      | <b>8/21/24</b>              | <b>Note 4</b> | <b>8/21/24</b>                        |
|                                    | 8/22/24               | <b>Yes</b>                                      | <b>8/22/24</b>              | <b>Note 5</b> | <b>8/22/24</b>                        |
| 16 – West                          | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>Note 1</b> | <b>N/A</b>                            |
|                                    | 8/21/24               | <b>Yes</b>                                      | <b>8/21/24</b>              | <b>Note 4</b> | <b>8/21/24</b>                        |
|                                    | 8/22/24               | <b>Yes</b>                                      | <b>8/22/24</b>              | <b>Note 5</b> | <b>8/22/24</b>                        |
| 34                                 | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>    | <b>N/A</b>                            |
| 35                                 | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>    | <b>N/A</b>                            |
| 52                                 | 8/15/24               | <b>No</b>                                       | <b>N/A</b>                  | <b>N/A</b>    | <b>N/A</b>                            |

Notes:

1. As notified in the letter to EPA June 15, 2023 and February 28, 2024 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.
2. On 8/7/24 Structure 15 deflated around 1:25 pm due to an adjustment of the sensor input as the simulated level was increased. Instrumentation was notified and the structure was reinflated and returned to service within two hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-635029.
3. On 8/14/24 Structure 14 East and West deflated around 10:12am due to presence in the structure for tide gate inspection. The structure was reinflated and returned to service within two hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.

4. On 8/21/24 Structure 16 East and West deflated around 11:31am due to presence in the structure for tide gate inspection. The structure was reinflated and returned to service within one hour. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.
5. On 8/22/24 Structure 16 East and West deflated around 2:57pm due to presence in the structure for tide gate inspection. The structure was reinflated and returned to service within two hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-646576.
6. On 8/28/24 Structure 14 East and West deflated around 8:08am due to presence in the structure for tide gate inspection. The structure was reinflated and returned to service within four hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.

**Table 2-7  
Inflatable Dams & SCADA Sites – Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>8/9/2024</i>           | <i>32mins</i>  | <i>Deflated</i>                          |
| 35                                  | <i>8/3/20024</i>          | <i>36mins</i>  | <i>Deflated</i>                          |
|                                     | <i>8/8/2024</i>           | <i>20mins</i>  | <i>Deflated</i>                          |
|                                     | <i>8/9/2024</i>           | <i>1hr 10mins</i>  | <i>Deflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| <hr/>                               |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | <i>None</i>               | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | <i>None</i>               | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | <i>None</i>               | <i>N/A</i>   |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | <i>Operational</i>        | <i>Open</i>  |  |
| Outfall Sewer Control Gate No.2     | <i>Operational</i>        | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | <i>Operational</i>        | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

### 3. DRY WEATHER OVERFLOWS

There was no dry weather combined sewer overflow reported during August 2024.

#### 4. SOLIDS AND FLOATABLES CONTROL

##### 4.1 Catch Basin Cleaning

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                               | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |             |                         |             |                                     |             |
|------------------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|-------------|-------------------------|-------------|-------------------------------------|-------------|
|                                    |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |             | CB's Cleaned This Month |             | Total CBs Cleaned This Year to Date |             |
|                                    |                          |                          |                         |  |   | Total                       | In CSS      | Total                   | In CSS      | Total                               | In CSS      |
| 1                                  | 1467                     | 1442                     | 655                     | 602  | 42  | 286                         | 265         | 406                     | 406         | 692                                 | 671         |
| 2                                  | 2832                     | 2647                     | 486                     | 442  | 53  | 772                         | 595         | 844                     | 844         | 1616                                | 1439        |
| 3                                  | 3720                     | 183                      | 0                       | 0  | 0   | 3662                        | 171         | 4                       | 0           | 3666                                | 171         |
| 4                                  | 3521                     | 1729                     | 0                       | 0  | 0   | 3206                        | 1420        | 273                     | 272         | 3479                                | 1692        |
| 5                                  | 4066                     | 1758                     | 1693                    | 1588   | 105   | 2319                        | 31          | 107                     | 105         | 2426                                | 136         |
| 6                                  | 3333                     | 2692                     | 2676                    | 2316   | 26  | 648                         | 31          | 20                      | 18          | 668                                 | 49          |
| 7                                  | 3879                     | 43                       | 43                      | 29   | 0   | 3833                        | 0           | 0                       | 0           | 3833                                | 0           |
| 8                                  | 2930                     | 213                      | 212                     | 189  | 129   | 2731                        | 0           | 198                     | 142         | 2929                                | 142         |
| <b>Grand Total</b>                 | <b>25748<sup>1</sup></b> | <b>10707<sup>1</sup></b> | <b>5765<sup>1</sup></b> | <b>5166</b>                                  | <b>355</b>                                    | <b>17457</b>                | <b>2513</b> | <b>1852</b>             | <b>1787</b> | <b>19309</b>                        | <b>4300</b> |
| <b>% Cleaned/Inspected to Date</b> |                          |                          |                         | <b>90%</b>                                   | <b>6%</b>                                     |                             |             |                         |             | <b>75%</b>                          | <b>40%</b>  |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 08/05/2024            | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 08/14/2024            | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.



**4.3 Anacostia River Floating Debris Removal Program**

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |   |
|-----------------------------------|---|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting                                   |
| <i>Work Days this month:</i>      | 22  |
| <i>Days not Operating</i>         | 6   |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels.  |
| <i># Skimmer in Fleet</i>         | 3 Skimmers  |
| <i># Skimmers Out of Service</i>  | 2 Skimmers  |
| <i>Dates</i>                      | B33: Aug 1 - Aug 21. B34: Aug 5 - Aug 31.   |
| <i>Reason</i>                     | B33 and B34: Air conditioning not working.  |
| <i>Plan to Restore to Service</i> | B33: Returned to operation on Aug 22.<br>B34: Troubleshooting in progress. ETR September. |
| <i>Amount Material Collected</i>  | 2 tons this month. Calendar year to date 135 tons.  |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.   |

**4.4 CSS Litter Control**

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

**5. MONITORING**

**5.1 Condition Report Bar Racks at Main and O Street Storm Pumps**

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

| Pumping Station                             | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|----------------|-----------|------------|-------------------|-------------|---|
|   |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | 8/3/24         | X         |            | 24-639147         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | 8/3/24         | X         |            | 24-639140         |             |   |

## 5.2 Rain Data

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.

| Date         | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|--------------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 8/1/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/2/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/3/2024     | 0.91                      | 0.68                          | 0.22                 | 0.63                       | 0.14             |
| 8/4/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/5/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/6/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/7/2024     | 0                         | 0.02                          | 0                    | 0                          | 0                |
| 8/8/2024     | 1.13                      | 1.10                          | 1.11                 | 1.04                       | 1.08             |
| 8/9/2024     | 0.62                      | 0.88                          | 0.75                 | 1.28                       | 1.80             |
| 8/10/2024    | 0.21                      | 0.16                          | 0.27                 | 0.30                       | 0.43             |
| 8/11/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/12/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/13/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/14/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/15/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/16/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/17/2024    | 0.10                      | 0.15                          | 0.43                 | 0.05                       | 0.19             |
| 8/18/2024    | 0                         | 0                             | 0                    | 0.10                       | 0                |
| 8/19/2024    | 0                         | 0                             | 0                    | 0                          | 0.01             |
| 8/20/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/21/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/22/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/23/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/24/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/25/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/26/2024    | 0.04                      | 0.02                          | 0.20                 | 0.36                       | 0.12             |
| 8/27/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/28/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 8/29/2024    | 0.42                      | 0.38                          | 0.64                 | 0.54                       | 0.77             |
| 8/30/2024    | 0.08                      | 0.09                          | 0.08                 | 0.08                       | 0.03             |
| 8/31/2024    | 0                         | 0.01                          | 0.01                 | 0                          | 0.01             |
| <b>TOTAL</b> | <b>3.51</b>               | <b>3.48</b>                   | <b>3.70</b>          | <b>4.38</b>                | <b>4.57</b>      |

### **5.3 Wet Weather Overflows**

The wet weather overflow data for this quarter is reported below in the Combined Sewer System Modeled and Metered Quarterly Results table located in Section 5.3 of the September 2024 Report.



**DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY**  
Serving the Public • Protecting the Environment

**Monthly Operations Report For  
*Combined Sewer System***

**Month: September 2024**

**Prepared By:**  
District of Columbia  
Water and Sewer Authority  
Department of  
Pumping and Sewer Operations  
Washington, D.C. 20003

DISTRICT OF COLUMBIA  
WATER AND SEWER AUTHORITY  
Washington, D.C.

*Monthly Operations Report for Combined Sewer System*  
*Month: September 2024*  
**Table of Contents**

- 1. INTRODUCTION**
- 2. OPERATION AND MAINTENANCE**
  - 2.1 Regulators
  - 2.2 Outfalls, Tide Gates and CSO Signs
  - 2.3 Pumping Stations
  - 2.4 Inflatable Dams and SCADA Systems
- 3. DRY WEATHER OVERFLOWS**
- 4. SOLIDS AND FLOATABLES CONTROL**
  - 4.1 Catch Basin Cleaning
  - 4.2 BMP Demonstration for Solid and Floatable Control
  - 4.3 Anacostia River Floating Debris Removal Program
  - 4.4 CSS Litter Control
- 5. MONITORING**
  - 5.1 Bar Racks at Main & O Street
  - 5.2 Rainfall Data
  - 5.3 Wet Weather Overflows

## 1. INTRODUCTION

The District of Columbia Water and Sewer Authority (DC Water) operates a wastewater collection system comprised of separate and combined sewers. Separate storm and sanitary sewers serve two-thirds of the District. In the combined sewer system (CSS), there is a single sewer to convey storm water and sanitary wastes. The area served by combined sewers comprises about one-third of the District.

During dry weather, sanitary wastes collected in the CSS are conveyed to the DC Water’s advanced wastewater treatment plant at Blue Plains (BPAWWTP or the Blue Plains AWWTP). During periods of rainfall, the capacity of a combined sewer may be exceeded and the excess flow, which is a mixture of storm water and sanitary wastes, is discharged directly to the Anacostia River, Rock Creek or the Potomac River or their tributary waters. This report summarizes the operations of the combined sewer system for the month indicated.

## 2. OPERATION AND MAINTENANCE

### 2.1 Regulators

Regulators divert combined sewage to interceptors, which convey flow to BPAWWTP for treatment. When flows exceed the capacities of the systems such as during significant rain events, regulators divert excess flow to the tunnel system for temporary storage, and CSO outfalls which discharge to receiving waters. The following table summarizes inspections of CSO regulators in the collection system.

**Table 2-1  
Regulator Structures**

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 2 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 4 <sup>1</sup>   | Bolling AFB, 2250 ft. north of the south line of the Base, SW            | 003                      | N/A            |           |            |             |                |
| 5 <sup>1</sup>   | Poplar Point Pumping Station   | 004                      | N/A            |           |            |             |                |
| 6                | Chicago Street and Railroad Ave, SE                                      | 005                      | 09/05/24       | *         |            |             |                |
| 7                | W Street and Railroad Ave, SE  | 005                      | 09/05/24       | *         |            |             |                |
| 8 <sup>1</sup>   | Good Hope Rd, west of Nichols Ave, SE                                    | 006                      | N/A            |           |            |             |                |
| 9                | 13 <sup>th</sup> Street and Ridge Place, SE (Diversion Structure)        | 007                      | 09/05/2024     | *         |            |             |                |
| 9a               | 13 <sup>th</sup> Street and Ridge Place, SE (Regulator Structure)        | 007                      | 09/05/2024     | *         |            |             |                |
| 9b               | 11 <sup>th</sup> Street Bridge and DC 295 SB (CSO-007 Diversion Chamber) | 007                      | 09/05/2024     | *         |            |             |                |
| 11               | "O" Street Pumping Station   | 011(a)                   | 09/19/2024     | *         |            |             |                |
| 12               | Storm Pump Discharge at Main Pumping Station                             | 011                      | 09/30/2024     | *         |            |             |                |
| 13               | 2 <sup>nd</sup> Street, 300 ft. north of N Place, SE                     | 009                      | 09/05/2024     | *         |            |             |                |
| 14               | 2 <sup>nd</sup> Street, 250 ft. north of N Place, SE                     | 011(a)                   | 09/19/2024     | *         |            |             |                |
| 15               | South Capitol and E Streets  | 010                      | 09/19/2024     | *         |            |             |                |
| 15a              | Half and L Streets, SE   | 010                      | 09/19/2024     | *         |            |             |                |
| 15b              | South Capitol and I Streets  | 010                      | 09/05/2024     | *         |            |             |                |
| 15c              | South Capitol and I Streets  | 010                      | 09/05/2024     | *         |            |             |                |



| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 16               | North of Main Sewage Pumping Station  | 012                      | 09/19/2024     | *         |            |             |                |
| 17               | 4 <sup>th</sup> and N Streets, SE, Both Extended  | 013                      | 09/05/2024     | *         |            |             |                |
| 17a              | K Street between 6 <sup>th</sup> Street and 7 <sup>th</sup> Street, SE (Side Overflow Weir) | 013                      | 09/12/2024     | *         |            |             |                |
| 17b              | 4 <sup>th</sup> and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)                | 013                      | 09/12/2024     | *         |            |             |                |
| 18               | 6 <sup>th</sup> and M Streets, SE (Diversion and Overflow Structure)                        | 014                      | 09/09/2024     | *         |            |             |                |
| 18a              | Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)                          | 014                      | 09/05/2024     | *         |            |             |                |
| 19               | 9 <sup>th</sup> and M Streets, SE   | 015                      | 09/09/2024     | *         |            |             |                |
| 19a              | 9 <sup>th</sup> and M Streets, SE   | 015                      | 09/09/2024     | *         |            |             |                |
| 19b              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 09/09/2024     | *         |            |             |                |
| 19c              | 9 <sup>th</sup> and M Streets, SE (Diversion Chamber)                                       | 015                      | 09/09/2024     | *         |            |             |                |
| 20               | 12 <sup>th</sup> and M Streets, SE  | 016                      | 09/09/2024     | *         |            |             |                |
| 20a              | 12 <sup>th</sup> and M Streets, SE  | 016                      | 09/09/2024     | *         |            |             |                |
| 20b              | 12 <sup>th</sup> and M Streets, SE (CSO-016 Diversion Chamber)                              | 016                      | 09/09/2024     | *         |            |             |                |
| 21               | 14 <sup>th</sup> and M Streets, SE  | 017                      | 09/09/2024     | *         |            |             |                |
| 21a              | 14 <sup>th</sup> and M Streets, SE (CSO-017 Diversion Chamber)                              | 017                      | 09/09/2024     | *         |            |             |                |
| 22a              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 09/10/2024     | *         |            |             |                |
| 22b              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 09/10/2024     | *         |            |             |                |
| 22c              | Barney Circle and Pennsylvania Ave, SE  | 018                      | 09/10/2024     | *         |            |             |                |
| 22d              | Kentucky Ave and Potomac Street, SE   | 018                      | 09/10/2024     | *         |            |             |                |
| 22e              | 14 <sup>th</sup> Street and Kentucky Ave, SE  | 018                      | 09/11/2024     | *         |            |             |                |
| 23               | Independence Ave, 21 <sup>st</sup> Street, SE, Extended                                     | 019                      | 09/09/2024     | *         |            |             |                |
| 24a              | East Capitol St, west of RFK stadium  | 019                      | 09/09/2024     | *         |            |             |                |
| 28               | 21 <sup>st</sup> and Constitution Ave, NW   | 020                      | 09/04/2024     | *         |            |             |                |
| 29               | 22 <sup>nd</sup> Street, between Constitution Ave and C St, NW                              | 020                      | 09/04/2024     | *         |            |             |                |
| 30               | 17 <sup>th</sup> and D Streets, NW  | 020                      | 09/04/2024     | *         |            |             |                |
| 31               | 15 <sup>th</sup> Street and Pennsylvania Ave, NW  | 020                      | 09/04/2024     | *         |            |             |                |
| 33               | 10 <sup>th</sup> and F Streets, NW  | 020                      | 09/04/2024     | *         |            |             |                |
| 34               | 23 <sup>rd</sup> Street, north of Constitution Ave, NW                                      | 020                      | 09/19/2024     | *         |            |             |                |
| 34a              | 23 <sup>rd</sup> Street near C Street, NW   | 020                      | 09/04/2024     | *         |            |             |                |
| 35               | Northeast of Roosevelt Bridge, NW   | 021                      | 09/24/2024     | *         |            |             |                |
| 35c              | Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW                | 021                      | 09/24/2024     | *         |            |             |                |
| 36               | 27 <sup>th</sup> and I Streets, NW  | 022                      | 09/04/2024     | *         |            |             |                |
| 36a              | New Hampshire Ave and Eye Street, NW  | 022                      | 09/19/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 36b              | 19 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 09/04/2024     | *         |            |             |                |
| 36d              | 17 <sup>th</sup> and L Streets, NW                                 | 022, 034                 | 09/04/2024     | *         |            |             |                |
| 36g              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 09/04/2024     | *         |            |             |                |
| 36h              | 18 <sup>th</sup> and M Streets, NW                                 | 022, 034                 | 09/04/2024     | *         |            |             |                |
| 37               | 27 <sup>th</sup> and Eye Streets, NW                               | 022                      | 09/04/2024     | *         |            |             |                |
| 38               | 29 <sup>th</sup> and K Streets, NW                                 | 024                      | 09/04/2024     | *         |            |             |                |
| 38a              | 30 <sup>th</sup> Street, south of K Street, NW                     | 024                      | 09/04/2024     | *         |            |             |                |
| 39a              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 09/04/2024     | *         |            |             |                |
| 39b              | 30 <sup>th</sup> and K Streets, NW                                 | 024                      | 09/04/2024     | *         |            |             |                |
| 41b <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 41c <sup>1</sup> | 31 <sup>st</sup> and K Streets, NW                                 | 025                      | N/A            |           |            |             |                |
| 42 <sup>1</sup>  | Wisconsin Ave and K Street, NW                                     | 026                      | N/A            |           |            |             |                |
| 43               | Potomac and Water Streets, NW                                      | 027                      | 09/04/2024     | *         |            |             |                |
| 43a              | Potomac and Water Streets, NW                                      | 027                      | 09/04/2024     | *         |            |             |                |
| 44               | Water Street, west of Potomac St, NW                               | 027                      | 09/04/2024     | *         |            |             |                |
| 45               | 36 <sup>th</sup> and M Streets, NW                                 | 028                      | 09/03/2024     | *         |            |             |                |
| 46               | Canal Rd, 1000ft. east of Foxhall Rd, NW                           | 029                      | 09/03/2024     | *         |            |             |                |
| 47               | 38 <sup>th</sup> Street and Reservoir Road, NW                     | 029                      | 09/03/2024     | *         |            |             |                |
| 47a              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 09/03/2024     | *         |            |             |                |
| 47b              | 37 <sup>th</sup> and T Streets, NW                                 | 029                      | 09/03/2024     | *         |            |             |                |
| 47c              | 38 <sup>th</sup> and W Streets, NW                                 | 029                      | 09/03/2024     | *         |            |             |                |
| 49 <sup>1</sup>  | Pennsylvania Ave, east side of Rock Creek, NW                      | 031                      | N/A            |           |            |             |                |
| 50               | 26 and M Streets, NW   | 032                      | 09/30/2024     | *         |            |             |                |
| 51               | N Street Extended, west of 25 <sup>th</sup> Street, NW             | 033                      | 09/30/2024     | *         |            |             |                |
| 52               | 22 <sup>nd</sup> Street between M and N Streets, NW                | 034                      | 09/24/2024     | *         |            |             |                |
| 52a              | N Street between 22 <sup>nd</sup> and 23 <sup>rd</sup> Streets, NW | 034                      | 09/24/2024     | *         |            |             |                |
| 53               | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 09/24/2024     | *         |            |             |                |
| 53a              | 22 <sup>nd</sup> and M Streets, NW                                 | 022, 034                 | 09/24/2024     | *         |            |             |                |
| 53b              | L Street between 21 <sup>st</sup> Street and New Hampshire Ave, NW | 022, 034                 | 09/04/2024     | *         |            |             |                |
| 53c              | L and 22 <sup>nd</sup> Streets, NW                                 | 022                      | 09/04/2024     | *         |            |             |                |
| 54               | 23 <sup>rd</sup> and O Streets, NW                                 | 034                      | 09/26/2024     | *         |            |             |                |
| 55               | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 09/26/2024     | *         |            |             |                |
| 55a              | 22 <sup>nd</sup> Street, south of Q Street, NW                     | 035                      | 09/26/2024     | *         |            |             |                |

| Structure Number | Location   | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|--|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |  |                          |                | Good      | Needs Work |             |                |
| 56               | 23 <sup>rd</sup> and Massachusetts Ave, NW                                       | 036                      | 09/26/2024     | *         |            |             |                |
| 57               | 23 <sup>rd</sup> Street, south of Q Street, NW                                   | 036                      | 09/26/2024     | *         |            |             |                |
| 58 <sup>l</sup>  | Northwest of Belmont Road and Rock Creek and Potomac Parkway, NW                 | 037                      | N/A            |           |            |             |                |
| 59               | North of Belmont Rd, east of Kalorama Cir, NW                                    | 038                      | 09/03/2024     | *         |            |             |                |
| 60               | Connecticut Ave, east of Rock Creek, NW  | 039                      | 09/03/2024     | *         |            |             |                |
| 61               | Biltmore St, Extended, east of Rock Creek, NW                                    | 040                      | 09/03/2024     | *         |            |             |                |
| 62               | Ontario Rd, Extended, and Rock Creek Pkwy, NW                                    | 041                      | 09/23/2024     | *         |            |             |                |
| 63               | Harvard Street and Rock Creek Parkway, NW  | 042                      | 09/23/2024     | *         |            |             |                |
| 64               | Adams Mill Road, south of Irving Street, NW                                      | 043                      | 09/23/2024     | *         |            |             |                |
| 65               | Kenyon Street and Adams Mill Road, NW  | 044                      | 09/23/2024     | *         |            |             |                |
| 65a              | Kenyon Street and Adams Mill Road, NW  | 044                      | 09/23/2024     | *         |            |             |                |
| 66               | Adams Mill Road and Lamont Street, NW  | 045                      | 09/23/2024     | *         |            |             |                |
| 67               | Park Rd , south of Piney Branch Pkwy, NW   | 046                      | 09/23/2024     | *         |            |             |                |
| 68               | Ingleside Terrance, Extended and Piney Branch Parkway, NW                        | 047                      | 09/23/2024     | *         |            |             |                |
| 69               | Mt. Pleasant Street, Extended and Piney Branch Parkway, NW                       | 048                      | 09/23/2024     | *         |            |             |                |
| 70               | Piney Branch Parkway, west of 16 <sup>th</sup> Street, NW                        | 049                      | 09/23/2024     | *         |            |             |                |
| 70i              | 5 <sup>th</sup> and Quackenbos Streets, NW                                       | 049                      | 09/03/2024     | *         |            |             |                |
| 71               | 28 <sup>th</sup> Street, west of Rock Creek Parkway, NW                          | 050                      | 09/03/2024     | *         |            |             |                |
| 72               | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 09/26/2024     | *         |            |             |                |
| 72a              | Olive Street Extended and Rock Creek Pkwy, NW                                    | 051                      | 09/26/2024     | *         |            |             |                |
| 73               | O Street Extended and Rock Creek Parkway, NW                                     | 052                      | 09/26/2024     | *         |            |             |                |
| 74 <sup>l</sup>  | Q Street, west of Rock Creek, NW   | 053                      | N/A            |           |            |             |                |
| 75               | West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW                  | 054                      | 09/03/2024     | *         |            |             |                |
| 77               | Normanstone Dr Extended, west of Rock Creek, NW                                  | 056                      | 09/03/2024     | *         |            |             |                |
| 77a              | Normanstone Dr and Normanstone Lane, NW  | 056                      | 09/03/2024     | *         |            |             |                |
| 78 <sup>l</sup>  | 28th Street Extended, west of Rock Creek, NW                                     | 057                      | N/A            |           |            |             |                |
| 79 <sup>l</sup>  | Connecticut Ave and Rock Creek Parkway, NW                                       | 058                      | N/A            |           |            |             |                |
| 84               | 26 <sup>th</sup> and P Streets, NW   | 060                      | 09/26/2024     | *         |            |             |                |
| 84a              | 26 <sup>th</sup> and P Streets, NW   | 060                      | 09/26/2024     | *         |            |             |                |
| 86               | Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel) | 019                      | 09/26/2024     | *         |            |             |                |
| 88               | Flagler and Adams St. NW (First St Tunnel)                                       | 019                      | 09/26/2024     | *         |            |             |                |
| 89               | First and V St, NW (First St Tunnel)   | 019                      | 09/26/2024     | *         |            |             |                |

| Structure Number | Location  | Associated NPDES Outfall | Date Inspected | Condition |            | Work Needed | Work performed |
|------------------|---|--------------------------|----------------|-----------|------------|-------------|----------------|
|                  |   |                          |                | Good      | Needs Work |             |                |
| 90               | First and V St, NW (First St Tunnel)  | 019                      | 09/26/2024     | *         |            |             |                |
| 91               | First and V St, NW (First St Tunnel)  | 019                      | 09/26/2024     | *         |            |             |                |
| 92               | CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)   | 019                      | 09/26/2024     | *         |            |             |                |
| 93               | CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)   | 018                      | 09/25/2024     | *         |            |             |                |
| 95               | M Street Approach Channel M and Water St SE (Anacostia River Tunnel)                                      | 015, 016, 017            | 09/25/2024     | *         |            |             |                |
| 96               | CSO 007 Shaft at 11 <sup>th</sup> St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel) | 007                      | 09/09/2024     | *         |            |             |                |
| 97               | CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)                             | 005                      | 09/24/2024     | *         |            |             |                |
| 98               | Main Pumping Station Diversions (Anacostia River Tunnel)  | 009 – 012                | 09/24/2024     | *         |            |             |                |
| 99               | CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)  | 009, 011a                | 09/19/2024     | *         |            |             |                |
| 100              | CSO 012 Diversion Facilities (Anacostia River Tunnel)   | 012                      | 09/19/2024     | *         |            |             |                |
| 101              | Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)   | N/A                      | 09/19/2024     | *         |            |             |                |
| 102              | Anacostia Main Interceptor Diversion Chamber  | N/A                      | 09/24/2024     | *         |            |             |                |
| 103              | Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)                                       | N/A                      | 09/24/2024     | *         |            |             |                |
| 104              | Poplar Point PS Discharge Chamber   | N/A                      | 09/22/2024     | *         |            |             |                |
| 105              | Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)  | 003A                     | 09/24/2024     | *         |            |             |                |
| 106              | R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)  | 019                      | 09/30/2024     | *         |            |             |                |
| 107              | Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)                             | 019                      | 09/26/2024     | *         |            |             |                |
| 108              | T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)  | 019                      | 09/26/2024     | *         |            |             |                |
| 109              | 4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)                                    | 019                      | 09/26/2024     | *         |            |             |                |
| 110              | Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)                   | 019                      | 09/26/2024     | *         |            |             |                |
| 111a             | Mount Olivet Road Junction Chamber (MOR-JC)   | 019                      | 09/26/2024     | *         |            |             |                |
| 111b             | Mount Olivet Road Diversion Chamber (MOR-DC)  | 019                      | 09/26/2024     | *         |            |             |                |
| 111c             | Mount Olivet Road Drop Shaft (MOR-DS)   | 019                      | 09/26/2024     | *         |            |             |                |

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.

## 2.2 Outfalls, Tide Gates and CSO Signs

The following table summarizes inspections, maintenance and work performed on outfall structures, tide gates and CSO signs in the collection system.

**Table 2-2  
Outfalls and Tide Gates**

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 003 <sup>1</sup> | Bolling Air Force Base, at Giavanolli and Chanute, SW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 003a             | Joint Base Anacostia Bolling Macdill and Arnold Ave SW  | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 005              | Across from Navy Yard, aligned with Parsons Ave., SE  | 09/24/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 006 <sup>1</sup> | Good Hope Road and Welsh Memorial Bridge  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 007              | Between 11 <sup>th</sup> St. and Anacostia Bridges, SE  | 09/24/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 009              | O St. Sewage Pumping Station, SE  | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 010              | O St. Sewage Pumping Station, SE  | 09/30/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011              | Main Sewage Pumping Station, SE   | 09/30/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 011a             | Main Sewage Pumping Station, SE   | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 012              | Main Sewage Pumping Station, SE   | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 013              | Southeast Federal Center, aligned with 4 <sup>th</sup> St.  | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 014              | Navy Yard, aligned with 6 <sup>th</sup> St., SE   | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 015              | Navy Yard, aligned with 9th Street, SE  | 09/30/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 016              | 12th and O Streets, SE  | 09/25/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 017              | M and Water Street, SE  | 09/25/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 018              | East of Barney Circle & South of Pennsylvania Avenue Bridge, SE                                     | 09/25/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019              | Adjacent to Service Drive behind swirl facility & D.C. General Hospital                             | 09/25/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 019a             | Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure) | 09/25/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 020              | Rock Creek Parkway and Independence, NW   | 09/12/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 021              | Rock Creek Parkway and C St., NW  | 09/12/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 022              | Rock Creek Parkway and G St., NW  | 09/12/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 024              | South of 30 <sup>th</sup> and K Streets, NW <sup>1</sup>  | 09/12/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 025 <sup>1</sup> | South of 31st and K Streets, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 026 <sup>1</sup> | Wisconsin Avenue and Water Street, NW   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 027              | 33 <sup>rd</sup> and Water Sts., NW   | 09/12/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 028              | Key Bridge and Whitehurst Freeway, NW   | 09/12/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 029              | Adjacent to C&O Canal, aligned with 38 <sup>th</sup> St. NW   | 09/12/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |

| NPDES<br>Outfall | Location  | Date<br>Inspected | Outfall<br>Condition |               | Tide<br>Gate<br>Present? |    | Tide Gate<br>Condition |               | CSO Sign |               | Notes, Work Needed or Performed |
|------------------|---|-------------------|----------------------|---------------|--------------------------|----|------------------------|---------------|----------|---------------|---------------------------------|
|                  |   |                   | OK                   | Needs<br>Work | Yes                      | No | OK                     | Needs<br>Work | OK       | Needs<br>Work |                                 |
| 031 <sup>1</sup> | Rock Creek Pkwy & Pennsylvania Avenue, NW                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 032              | 26th and M Street, NW   | 09/30/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 033              | Across street from St. Francis Jr. High and aligned with N St., NW.         | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 034              | Just west of St. Francis Jr. High and north of N St., NW                    | 09/26/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 035              | P St. Bridge and Rock Creek Parkway   | 09/26/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 036              | 22nd Street, South of Q Street NW.  | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 037 <sup>1</sup> | Waterside Dr. and Rock Creek Parkway  | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 038              | Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW. | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 039              | Connecticut Avenue Bridge and Rock Creek Parkway, NW.                       | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 040              | Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.    | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 041              | Beach Dr. and Ontario Pl., NW   | 09/11/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 042              | Harvard St. and Beach Dr NW.  | 09/11/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 043              | Upstream of Harvard St. and Beach Dr NW.                                    | 09/11/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 044              | Kenyon Street and Beach Dr., NW.  | 09/11/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 045              | North of Beach Dr. and Walbridge Pl, NW.                                    | 09/11/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 046              | Piney Branch Parkway and Park Road, NW.                                     | 09/23/2024        | *                    |               |                          | *  |                        |               | *        |               |                                 |
| 047              | Piney Branch Parkway and Ingleside Terrace                                  | 09/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 048              | South of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 09/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 049              | North of Piney Branch Parkway and 17 <sup>th</sup> St.                      | 09/23/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 050              | Rock Creek Parkway and L St., NW  | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 051              | Across Rock Creek Pkwy, aligned with Olive St., NW.                         | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 052              | Between P & Penna. Ave Bridges, aligned with O Street, NW.                  | 09/30/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 053 <sup>1</sup> | Q St. Bridge and Rock Creek Parkway, NW.                                    | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 054              | Massachusetts Ave & Rock Creek Parkway, NW.                                 | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 056              | Normanstone Dr. and Rock Creek Parkway, NW.                                 | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |
| 057 <sup>1</sup> | 28th Street and Rock Creek Parkway, NW                                      | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 058 <sup>1</sup> | Connecticut Ave & Rock Creek Parkway, NW.                                   | N/A               |                      |               |                          |    |                        |               |          |               |                                 |
| 060              | North of P St. Bridge & Rock Creek Pkwy, NW                                 | 09/03/2024        | *                    |               | *                        |    | *                      |               | *        |               |                                 |

Notes:

1. Outfall no longer functions as a combined sewer outfall.

### 2.3 Pumping Stations

Pumping station operations are summarized in the table below.

**Table 2-3  
Pumping Stations – Inspections and Equipment in Service**

| <i>Pumping Station</i> | <i>No. of Inspections</i> | <i>No. Screens</i> | <i>No. Pumps</i> | <i>Screens or Pumps Out of Service</i> | <i>Dates</i>   | <i>Reason</i>              | <i>Work Order Number</i> | <i>Schedule to Restore to Service</i>     |
|------------------------|---------------------------|--------------------|------------------|--|----------------|----------------------------|--------------------------|---|
| Main                   | 30                        | 3                  | 4                | None                                   | -              | -                          | -                        | -   |
| O Street               | 30                        | 2                  | 4                | None                                   | -              | -                          | -                        | -   |
| Eastside               | 1                         | 2                  | 4                | None                                   | -              | -                          | -                        | -   |
| Poplar Point           | 1                         | 2                  | 4                | None                                   | -              | -                          | -                        | -   |
| Potomac                | 30                        | 4                  | 5                | Pump #4                                | 9/1/24-9/31/24 | Control board shorted out. | 24-609732                | Anticipated return to service<br>10/31/24 |

Notes:

**Table 2-4  
Pumping Stations – Preventive Maintenance**

| <i>Pumping Station</i> | <i>Date Performed</i> | <i>Type of Preventive Maintenance Performed<sup>1</sup></i> | <i>Work Order Number</i> | <i>Comments</i>   |
|------------------------|-----------------------|---|--------------------------|---|
| Main                   | 9/3/24                | Group A   | 24-639866                | Add oil, grease bearings and replace packing if needed. |
| O St                   | 9/27/24               | Group A   | 24-656770                | Add oil, grease bearings and replace packing if needed. |
| Eastside               | 9/9/24                | Group A   | 24-650964                | Add oil, grease bearings and replace packing if needed. |
| Poplar Point           | 9/3/24                | Group A   | 24-642805                | Add oil, grease bearings and replace packing if needed. |
| Potomac                | 9/27/24               | Group A   | 24-660654                | Add oil, grease bearings and replace packing if needed. |
| Rock Creek             | 9/3/24                | Group A   | 24-631602                | Add oil, grease bearings and replace packing if needed. |
| Upper Anacostia        | 9/27/24               | Group A   | 24-643127                | Add oil, grease bearings and replace packing if needed. |
| Earl Place             | 9/9/24                | Group A   | 24-613963                | Add oil, grease bearings and replace packing if needed. |

Notes:

1. Group A consists of:
  - a. Exercise bar screens
  - b. Exercise all sump pumps
  - c. Drain condensation from air compressor storage tank
  - d. Check depth of screening in the screen room and schedule Vactor truck as required
  - e. Check all safety equipment
  - f. Issue work order requests as required



**Table 2-5  
Pumping Stations – Pumpage**

| <i>Pumping Station</i> | <i>Sanitary Pumpage</i>      |                                      | <i>Screenings Collected (tons)<sup>1</sup></i> |
|------------------------|------------------------------|--------------------------------------|--|
|                        | <i>Total Wastewater (mg)</i> | <i>Daily Average Wastewater (mg)</i> |  |
| Main <sup>1,2</sup>    | 1195.16                      | 39.84                                | N/A  |
| O St <sup>1,2,3</sup>  | 84.78                        | 2.83                                 | N/A  |
| Eastside               | 151.49                       | 5.05                                 | N/A  |
| Poplar Point           | 290.53                       | 9.68                                 | N/A  |
| Potomac                | 3256.96                      | 108.57                               | N/A  |
| Rock Creek             | 25.49                        | 0.85                                 | N/A  |
| Upper Anacostia        | 31.72                        | 1.06                                 | N/A  |
| Earl Place             | 0.3068                       | 0.0102                               | N/A  |

Notes:

1. Screenings collected from the Main and O Street Pumping Stations are combined from the sanitary flow and combined sewer overflows, due to the design of the screening system that consists of vertical trash racks, with no mechanical cleaning. Therefore, quantification of captured screening materials, specifically from combined sewer overflows, is not feasible.
2. Flow meters have been installed in accordance with NPDES Permit No. DC002199 to record CSO discharges from Main and O Street Pumping Stations. This data is reported via Discharge Monitoring Reports submitted to the EPA on a monthly basis. A summary of metered and modeled CSO discharges is included in Section 5.
3. On September 3, 2024, the O Street PS flow meter stopped working and the manufacturer was contacted and began undergoing work to determine the problem. The manufacturer found a programming edit that was needed that fixed the problem. Work was completed on September 25, 2024. See WO#25-13971

## 2.4 Inflatable Dams and SCADA System

DC Water operates and maintains nine inflatable dams at seven different locations. Table 2-6 summarizes the date(s) the inflatable dams were inspected, and their operational status and condition. The inflatable dams consist of multi-ply elastomeric (i.e., “rubber”) fabric dams installed in major overflow conduits within the combined sewer system. The objective of the inflatable dam installation is to increase the effective depth to which the sewage must rise in the combined sewer before overflows occur. The effect of the installation is to retain a greater volume of combined sewage flow resulting from low to moderate intensity storms by maximizing storage within the CSS. During higher intensity storms, when the full carrying capacity of the overflow conduit is required to prevent upstream flooding, the dam is deflated automatically. Inflatable dam operations are summarized below:

**Table 2-6  
Inflatable Dams – Inspections and Equipment in Service**

| <i>Inflatable Dam Structure No</i> | <i>Date Inspected</i> | <i>Was Dam Out of Service During the Month?</i> | <i>Dates out of Service</i> | <i>Reason</i> | <i>Schedule to Restore to Service</i> |
|------------------------------------|-----------------------|---|-----------------------------|---------------|---------------------------------------|
| 14 – East                          | 9/19/2024             | No  | N/A                         | Note 1        | N/A                                   |
| 14 – West                          | 9/19/2024             | No  | N/A                         | N/A           | N/A                                   |
| 15                                 | 9/19/2024             | No  | N/A                         | N/A           | N/A                                   |
|                                    | 9/25/2024             | Yes   | 9/25/24                     | Note 4        | 9/25/24                               |
| 15A                                | 9/19/2024             | No  | N/A                         | N/A           | N/A                                   |
| 16 – East                          | 9/19/2024             | No  | N/A                         | Note 1        | N/A                                   |
|                                    | 9/19/2024             | Yes   | 9/19/2024                   | Note 2        | 9/19/2024                             |
|                                    | 9/21/2024             | Yes   | 9/21/2024                   | Note 3        | 9/21/2024                             |
| 16 – West                          | 9/19/2024             | No  | N/A                         | Note 1        | N/A                                   |
|                                    | 9/19/2024             | Yes   | 9/19/2024                   | Note 2        | 9/19/2024                             |
|                                    | 9/21/2024             | Yes   | 9/21/2024                   | Note 3        | 9/21/2024                             |
| 34                                 | 9/19/2024             | No  | N/A                         | N/A           | N/A                                   |
| 35                                 | 9/24/2024             | No  | N/A                         | N/A           | N/A                                   |
| 52                                 | 9/19/2024             | No  | N/A                         | N/A           | N/A                                   |

Notes:

- As notified in the letter to EPA June 15, 2023 and February 28, 2024 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.
- On 9/19/24 Structure 16 East and West deflated around 9:08am due to contractor presence in the structure for tide gate inspection. Instrumentation was notified and the structure was reinflated and returned to service within one hour. This was not an overflow to the river as the upstream levels were lower than the low-level threshold.
- On 9/21/24 Structure 16 East and West deflated around 10:19pm due to low reported dam pressure. Instrumentation was notified and the structure was reinflated and returned to service within seven hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-714036
- On 9/25/24 Structure 15 deflated around 1:10am due to a BFV-4 fault. Instrumentation was notified and the structure was reinflated and returned to service within three hours. This was not an overflow to the river as the upstream levels were lower than the low-level threshold. See WO# 24-726594

**Table 2-7  
Inflatable Dams & SCADA Sites – Wet Weather Operations**

| <i>Inflatable Dam Structure No.</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>Inflatable Dam Operational Status</i> |
|-------------------------------------|---------------------------|--|--|
| 14 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 15A                                 | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 16 (E & W)                          | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 34                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
| 35                                  | 9/22/24                   | 13mins   | <i>Deflated</i>                          |
|                                     | 9/26/24                   | 38mins   | <i>Deflated</i>                          |
| 52                                  | <i>None</i>               | <i>N/A</i>   | <i>Inflated</i>                          |
|                                     |                           |  |  |
| <i>Structures on Outfall Sewers</i> | <i>Overflow Dates</i>     | <i>Estimated Duration of Overflow</i>                                  | <i>N/A</i>                               |
| Outfall Structure 1                 | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 1A                | None                      | This structure has been bulk headed. Overflows are no longer possible. |  |
| Outfall Structure 2                 | None                      | N/A  |  |
| <i>Outfall Sewer Control Gates</i>  | <i>Operational Status</i> | <i>Position</i>  |  |
| Outfall Sewer Control Gate No.1     | Operational               | Open   |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |
| Outfall Sewer Control Gate No.2     | Operational               | This structure has been bulk headed. Overflows are no longer possible  |  |

Notes:

### 3. DRY WEATHER OVERFLOWS

There was no dry weather combined sewer overflow reported during September 2024.

#### 4. SOLIDS AND FLOATABLES CONTROL

##### 4.1 Catch Basin Cleaning

The following tables summarize catch basin cleaning in the Anacostia CSO area and in the entire sewer system:

**Table 4-1  
Catch Basin Cleaning**

| Ward                               | Total CBs                | CBs in CSS               | Inspections             |  |   | Cleaning                    |             |                         |             |                                     |             |
|------------------------------------|--------------------------|--------------------------|-------------------------|--|---|-----------------------------|-------------|-------------------------|-------------|-------------------------------------|-------------|
|                                    |                          |                          | CBs in Anacostia CSS    | Total Anacostia CBs Inspected Once this Year | Total Anacostia CBs Inspected Twice this Year | CBs Cleaned Thru Last Month |             | CB's Cleaned This Month |             | Total CBs Cleaned This Year to Date |             |
|                                    |                          |                          |                         |  |   | Total                       | In CSS      | Total                   | In CSS      | Total                               | In CSS      |
| 1                                  | 1467                     | 1442                     | 655                     | 609  | 101   | 692                         | 671         | 160                     | 160         | 852                                 | 831         |
| 2                                  | 2832                     | 2647                     | 486                     | 444  | 194   | 1616                        | 1439        | 421                     | 416         | 2037                                | 1855        |
| 3                                  | 3720                     | 183                      | 0                       | 0  | 0   | 3666                        | 171         | 0                       | 0           | 3666                                | 171         |
| 4                                  | 3521                     | 1729                     | 0                       | 0  | 0   | 3479                        | 1692        | 18                      | 18          | 3497                                | 1710        |
| 5                                  | 4066                     | 1758                     | 1693                    | 1610   | 315   | 2426                        | 136         | 234                     | 229         | 2660                                | 365         |
| 6                                  | 3333                     | 2692                     | 2676                    | 2381   | 654   | 668                         | 49          | 698                     | 677         | 1366                                | 726         |
| 7                                  | 3879                     | 43                       | 43                      | 29   | 0   | 3833                        | 0           | 0                       | 0           | 3833                                | 0           |
| 8                                  | 2930                     | 213                      | 212                     | 202  | 159   | 2929                        | 142         | 52                      | 43          | 2981                                | 185         |
| <b>Grand Total</b>                 | <b>25748<sup>1</sup></b> | <b>10707<sup>1</sup></b> | <b>5765<sup>1</sup></b> | <b>5275</b>                                  | <b>1423</b>                                   | <b>19309</b>                | <b>4300</b> | <b>1583</b>             | <b>1543</b> | <b>20892</b>                        | <b>5843</b> |
| <b>% Cleaned/Inspected to Date</b> |                          |                          |                         | <b>92%</b>                                   | <b>24%</b>                                    |                             |             |                         |             | <b>81%</b>                          | <b>55%</b>  |

Notes:

1. The number of catch basins in our service area changes with the ongoing connections and abandonments to the sewer infrastructure.

#### 4.2 BMP Demonstration for Solid and Floatable Control

DC WATER operates the following demonstration projects designed to remove solids and floatables from CSO prior to discharge.

- Bar Rack at CSO 040 and 041 to Rock Creek

**Table 4-2**  
**BMP Demonstration Projects – Report**

| <i>Facility</i>  | <i>Date Inspected</i> | <i>Condition</i> | <i>Work Needed</i> | <i>Work performed</i> | <i>Material Removed (LB)</i> |
|------------------|-----------------------|------------------|--------------------|-----------------------|------------------------------|
| Bar Rack CSO 040 | 09/09/2024            | Good             | None               | Routine Cleaning      | (1)                          |
| Bar Rack CSO 041 | 09/09/2024            | Good             | None               | Routine Cleaning      | (1)                          |

Notes:

(1) System was designed so that captured solids and floatables are conveyed to Blue Plains for treatment.

**4.3 Anacostia River Floating Debris Removal Program**

This program was initiated in October 1992 to remove floating debris from Anacostia and Potomac Rivers on a routine basis. The program has continued from that time and is now under the auspices of DC WATER, Department of Sewer Operations. The floating debris removal program utilizes a skimmer boat and support boats to remove floatable debris from the Rivers as well as trash, which accumulates on the riverbanks and in the mud flats at low tides. Work for the most part is directed toward the Anacostia River. The boats pick up debris five days a week. Operations are summarized as follows:

**Table 4-3  
Anacostia River Floating Debris Removal Program – Summary**

|                                   |   |
|-----------------------------------|---|
| <i>Program Operation</i>          | 5-day work week, excluding holidays, weather permitting                                       |
| <i>Work Days this month:</i>      | 20  |
| <i>Days not Operating</i>         | 1   |
| <i>Reason not Operating</i>       | Maintenance, wind, low water levels.  |
| <i># Skimmer in Fleet</i>         | 3 Skimmers  |
| <i># Skimmers Out of Service</i>  | 2 Skimmers  |
| <i>Dates</i>                      | B33: Sep 1 - Sep 18. B34: Sep 12 - Sep 18 and Sep 26 - Sep 30.                                |
| <i>Reason</i>                     | B33: Starboard prop failure. B34: Starboard prop failure and starboard wing cylinder failure. |
| <i>Plan to Restore to Service</i> | B33: Returned to operation on Sep 19.<br>B34: Waiting for parts. ETR October.                 |
| <i>Amount Material Collected</i>  | 5 tons this month. Calendar year to date 140 tons.  |
| <i>Nature of Material</i>         | Bottles, cans, natural debris and plastics.   |

**4.4 CSS Litter Control**

This section describes DC WATER’s efforts to coordinate litter control efforts with the National Park Service and D.C. Department of Public Works to maximize litter control efforts in the combined sewer system.

No Activity this month.

**5. MONITORING**

**5.1 Condition Report Bar Racks at Main and O Street Storm Pumps**

DC Water performs visual surveys of the bar racks at Main and O Street Pumping Stations to characterize the quantity and nature of floatable discharge. The physical condition of the bar racks and any maintenance requirements are also noted.

**Table 5-1  
Bar Racks at Main & O Street Pumping Stations**

| Pumping Station                             | Date Inspected | Condition |            | Work Order Number | Work Needed | Work Performed or Schedule for Completion |
|---|----------------|-----------|------------|-------------------|-------------|---|
|   |                | Good      | Needs Work |                   |             |   |
| Bar Racks at O Street Storm Pumps (CSO 010) | 9/27/24        | X         |            | 24-694880         |             |   |
| Bar Racks at Main Storm Pumps (CSO 011)     | 9/27/24        | X         |            | 24-694873         |             |   |

## 5.2 Rain Data

Rain data from National Airport and from the rain gauges installed in the CSS are summarized below.



| Date         | Brentwood Pumping Station | Bryant Street Pumping Station | Main Pumping Station | Rock Creek Pumping Station | National Airport |
|--------------|---------------------------|-------------------------------|----------------------|----------------------------|------------------|
| 9/1/2024     | 0.03                      | 0.03                          | 0                    | 0.01                       | 0.01             |
| 9/2/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/3/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/4/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/5/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/6/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/7/2024     | 0                         | 0                             | 0                    | 0                          | 0.01             |
| 9/8/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/9/2024     | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/10/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/11/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/12/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/13/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/14/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/15/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/16/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/17/2024    | 0.03                      | 0.04                          | 0.05                 | 0.04                       | 0.10             |
| 9/18/2024    | 0.75                      | 0.77                          | 0.78                 | 0.84                       | 0.33             |
| 9/19/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/20/2024    | 0                         | 0                             | 0                    | 0                          | 0                |
| 9/21/2024    | 0                         | 0                             | 0                    | 0.05                       | 0                |
| 9/22/2024    | 0.39                      | 0.24                          | 0.25                 | 0.47                       | 0.32             |
| 9/23/2024    | 0.22                      | 0.24                          | 0.10                 | 0.14                       | 0.09             |
| 9/24/2024    | 0.42                      | 0.45                          | 0.51                 | 0.53                       | 0.47             |
| 9/25/2024    | 0.10                      | 0.38                          | 0.08                 | 0.11                       | 0.08             |
| 9/26/2024    | 0.84                      | 0.47                          | 0.56                 | 0.81                       | 0.57             |
| 9/27/2024    | 0.12                      | 0.10                          | 0.10                 | 0.10                       | 0.13             |
| 9/28/2024    | 0.01                      | 0.01                          | 0.01                 | 0.17                       | 0.07             |
| 9/29/2024    | 0.08                      | 0.17                          | 0.05                 | 0.09                       | 0.05             |
| 9/30/2024    | 0.02                      | 0.04                          | 0.04                 | 0.03                       | 0.08             |
| <b>TOTAL</b> | <b>3.01</b>               | <b>2.94</b>                   | <b>2.53</b>          | <b>3.39</b>                | <b>2.31</b>      |

### **5.3 Wet Weather Overflows**

The wet weather overflow data for this quarter is reported below in the Combined Sewer System Modeled and Metered Quarterly Results table located in Section 5.3 of the September 2024 Report.

District of Columbia Water and Sewer Authority  
**Combined Sewer System Metered and Model Results**  
 Period: Q3 2024 (July, August, September)

**SCENARIO: QuarterlyReport\_2024Q3\_ALL, produced on 4 October 2024**

| NPDES No.             | Description  | Data Source                   | Number of Overflows (Occurrences) | CSO Overflow Volume (mg) | Total Duration of Overflow (hrs) | Avg Duration of Overflow (hrs) | Maximum Duration of Overflow (hrs) | Minimum Duration of Overflow (hrs) |
|-----------------------|--|-------------------------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|
| <b>Anacostia CSOs</b> |  |                               |                                   |                          |                                  |                                |                                    |                                    |
| 005                   | Chicago St and Railroad Station SE                         | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 006                   | Good Hope Road, West of Nichols Ave., SE                   | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 007                   | 13 <sup>th</sup> Street and Ridge Place, SE                | Metered                       | 2                                 | 0.16                     | 0.42                             | 0.21                           | 0.25                               | 0.17                               |
| 009                   | 2nd Street, 300 feet North of N Place, SE                  | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 010                   | O Street SewagePumping Station, SE (pumped Overflow)       | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011                   | South of Main Sewage Pumping Station, SE (pumped overflow) | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 011a                  | South of Main SewagePumping Station, SE (gravity overflow) | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 012                   | North of Main SewagePumping Station, SE (Tiber Creek)      | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 013                   | 4th and N Streets, SE                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 014                   | 6th and M Streets, SE                                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 015                   | 9th and M Streets, SE                                      | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 016                   | 12th and M Streets, SE                                     | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 017                   | 14th and M Streets, SE                                     | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 018                   | Barney Circle and Pennsylvania Ave, SE                     | consolidated to tunnel system |                                   |                          |                                  |                                |                                    |                                    |
| 019                   | Northeast Boundary   | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 019A                  | Northeast Boundary - Tunnel OF                             | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
|                       | <b>SUBTOTAL</b>  |                               |                                   | <b>0.16</b>              |                                  |                                |                                    |                                    |
| <b>Potomac CSOs</b>   |  |                               |                                   |                          |                                  |                                |                                    |                                    |
| 003A                  | JBAB Tunnel OF   | Metered                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 020                   | 23rd Street, North ofConstitution Ave, NW (Easby Point)    | Modeled                       | 10                                | 18.46                    | 17.50                            | 1.75                           | 4.00                               | 0.25                               |
| 021                   | Northeast ofRoosevelt Bridge, NW                           | Modeled                       | 10                                | 72.04                    | 22.50                            | 2.25                           | 4.50                               | 0.75                               |
| 022                   | 27th and K Streets, NW                                     | Modeled                       | 14                                | 9.79                     | 32.25                            | 2.30                           | 5.75                               | 0.25                               |
| 024                   | 30th and K Streets, NW                                     | Modeled                       | 15                                | 3.66                     | 85.00                            | 5.67                           | 35.75                              | 0.50                               |
| 025                   | 31st & K St NW   | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 026                   | Wisconsin Avenue andK St., NW                              | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 027                   | Water Street West ofStreet, NW                             | Modeled                       | 13                                | 6.02                     | 28.75                            | 2.21                           | 5.50                               | 0.50                               |
| 028                   | 36th and M Streets, NW                                     | Modeled                       | 15                                | 2.72                     | 110.00                           | 7.33                           | 43.00                              | 0.25                               |
| 029                   | Canal Road 1000 feet east of Rock Creek, NW                | Modeled                       | 13                                | 5.24                     | 40.00                            | 3.08                           | 13.25                              | 0.75                               |
|                       | <b>SUBTOTAL</b>  |                               |                                   | <b>117.94</b>            |                                  |                                |                                    |                                    |
| <b>Rock Creek</b>     |  |                               |                                   |                          |                                  |                                |                                    |                                    |
| 031                   | Pennsylvania Avenue, East Rock Creek, NW                   | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 032                   | 26th and M Streets, NW                                     | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 033                   | N Street extendedwest of 25th Street, NW                   | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 034                   | 23rd and O Streets, SW                                     | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 035                   | 22nd Street south of Q Street, NW                          | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 036                   | 22nd Street South of Q Street, NW                          | Modeled                       | 11                                | 0.29                     | 19.75                            | 1.80                           | 4.25                               | 0.50                               |
| 037                   | Northwest of Belmontand Rock Creek and Potomac Parkway     | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 038                   | North of Belmont Road, east of Kalamora Circle, NW         | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 039                   | Connecticut Avenue east of Rock Creek, NW                  | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 040                   | Billmore Street extended east of RockCreek, NW             | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 041                   | Ontario extended and Rock Creek Parkway                    | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 042                   | Harvard Street and RockCreek Parkway, NW                   | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 043                   | Adams Mill Road South of Irving Street, NW                 | Modeled                       | 2                                 | 0.30                     | 1.00                             | 0.50                           | 0.75                               | 0.25                               |
| 044                   | Kenyon Street and Adams Mill Road, NW                      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 045                   | Adams Mill Road and Lamont Street, NW                      | Modeled                       | 3                                 | 0.02                     | 1.00                             | 0.33                           | 0.50                               | 0.25                               |
| 046                   | Park Road south of Piney Branch Parkway, NW                | Modeled                       | 1                                 | 0.00                     | 0.50                             | 0.50                           | 0.50                               | 0.50                               |
| 047                   | Ingleside Terrace extended and Piney Branch Parkway        | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 048                   | Mt. Pleasant Street extended and Piney Branch Parkway      | Modeled                       | 1                                 | 0.02                     | 0.50                             | 0.50                           | 0.50                               | 0.50                               |
| 049                   | Piney Branch and LamontStreet, NW                          | Modeled                       | 4                                 | 10.627                   | 2.00                             | 0.50                           | 1.25                               | 0.25                               |
| 050                   | 28th Street west of 16th Street, NW                        | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 051                   | Olive Street extended and Rock Creek Parkway, NW           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 052                   | O Street extended and Rock Creek Parkway, NW               | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 053                   | O Street west of Rock Creek Parkway, NW                    | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 054                   | West Side of Rock Creek300 ft. south of Mass. Ave, NW      | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 056                   | Normanstone Drive extended west of Rock Creek, NW          | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
| 057                   | 28th Street extended west of Rock Creek, NW                | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 058                   | Connecticut Avenue and Rock Creek Parkway, NW              | separated                     |                                   |                          |                                  |                                |                                    |                                    |
| 060                   | P St and 26 <sup>th</sup> St, NW                           | Modeled                       | 0                                 | 0.00                     | 0.00                             | 0.00                           | 0.00                               | 0.00                               |
|                       | <b>SUBTOTAL</b>  |                               |                                   | <b>11.27</b>             |                                  |                                |                                    |                                    |
|                       | <b>TOTAL</b>   |                               |                                   | <b>129.37</b>            |                                  |                                |                                    |                                    |

District of Columbia Water and Sewer Authority  
Combined Sewer System Metered and Model Results  
Period: Q3 2024 (July, August, September)

SCENARIO: QuarterlyReport\_2024Q3\_ALL, produced on 4 October 2024

| NPDES No. | Description | Data Source | Number of Overflows (Occurrences) | CSO Overflow Volume (mg) | Total Duration of Overflow (hrs) | Avg Duration of Overflow (hrs) | Maximum Duration of Overflow (hrs) | Minimum Duration of Overflow (hrs) |
|-----------|-------------|-------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|
|-----------|-------------|-------------|-----------------------------------|--------------------------|----------------------------------|--------------------------------|------------------------------------|------------------------------------|

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