

QUARTERLY OPERATIONS REPORT

DISTRICT OF COLUMBIA

COMBINED SEWER OVERFLOW FACILITIES

FIRST 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: January 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: January 2024
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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 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
4 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
5 ¹	Poplar Point Pumping Station	004	N/A				
6	Chicago Street and Railroad Ave, SE	005	01/11/2024	*			
7	W Street and Railroad Ave, SE	005	01/11/2024	*			
8 ¹	Good Hope Rd, west of Nichols Ave, SE	006	N/A				
9	13 th Street and Ridge Place, SE (Diversion Structure)	007	01/11/2024	*			
9a	13 th Street and Ridge Place, SE (Regulator Structure)	007	01/11/2024	*			
9b	11 th Street Bridge and DC 295 SB (CSO-007 Diversion Chamber)	007	01/11/2024	*			
11	"O" Street Pumping Station	011(a)	01/24/2024	*			
12	Storm Pump Discharge at Main Pumping Station	011	01/25/2024	*			
13	2 nd Street, 300 ft. north of N Place, SE	009	01/24/2024	*			
14	2 nd Street, 250 ft. north of N Place, SE	011(a)	01/24/2024	*			
15	South Capitol and E Streets	010	01/18/2024	*			
15a	Half and L Streets, SE	010	01/24/2024	*			
15b	South Capitol and I Streets	010	01/11/2024	*			
15c	South Capitol and I Streets	010	01/11/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
16	North of Main Sewage Pumping Station	012	01/24/2024	*			
17	4 th and N Streets, SE, Both Extended	013	01/09/2024	*			
17a	K Street between 6 th Street and 7 th Street, SE (Side Overflow Weir)	013	01/29/2024	*			
17b	4 th and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)	013	01/11/2024	*			
18	6 th and M Streets, SE (Diversion and Overflow Structure)	014	01/22/2024	*			
18a	Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)	014	01/09/2024	*			
19	9 th and M Streets, SE	015	01/22/2024	*			
19a	9 th and M Streets, SE	015	01/27/2024	*			
19b	9 th and M Streets, SE (Diversion Chamber)	015	01/22/2024	*			
19c	9 th and M Streets, SE (Diversion Chamber)	015	01/22/2024	*			
20	12 th and M Streets, SE	016	01/09/2024	*			
20a	12 th and M Streets, SE	016	01/09/2024	*			
20b	12 th and M Streets, SE (CSO-016 Diversion Chamber)	016	01/09/2024	*			
21	14 th and M Streets, SE	017	01/09/2024	*			
21a	14 th and M Streets, SE (CSO-017 Diversion Chamber)	017	01/09/2024	*			
22a	Barney Circle and Pennsylvania Ave, SE	018	01/09/2024	*			
22b	Barney Circle and Pennsylvania Ave, SE	018	01/09/2024	*			
22c	Barney Circle and Pennsylvania Ave, SE	018	01/09/2024	*			
22d	Kentucky Ave and Potomac Street, SE	018	01/09/2024	*			
22e	14 th Street and Kentucky Ave, SE	018	01/09/2024	*			
23	Independence Ave, 21 st Street, SE, Extended	019	01/09/2024	*			
24a	East Capitol St, west of RFK stadium	019	01/09/2024	*			
28	21 st and Constitution Ave, NW	020	01/08/2024	*			
29	22 nd Street, between Constitution Ave and C St, NW	020	01/08/2024	*			
30	17 th and D Streets, NW	020	01/08/2024	*			
31	15 th Street and Pennsylvania Ave, NW	020	01/08/2024	*			
33	10 th and F Streets, NW	020	01/08/2024	*			
34	23 rd Street, north of Constitution Ave, NW	020	01/18/2024	*			
34a	23 rd Street near C Street, NW	020	01/08/2024	*			
35	Northeast of Roosevelt Bridge, NW	021	01/18/2024	*			
35c	Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW	021	01/18/2024	*			
36	27 th and I Streets, NW	022	01/08/2024	*			
36a	New Hampshire Ave and Eye Street, NW	022	01/08/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
36b	19 th and L Streets, NW	022, 034	01/08/2024	*			
36d	17 th and L Streets, NW	022, 034	01/08/2024	*			
36g	18 th and M Streets, NW	022, 034	01/08/2024	*			
36h	18 th and M Streets, NW	022, 034	01/08/2024	*			
37	27 th and Eye Streets, NW	022	01/08/2024	*			
38	29 th and K Streets, NW	024	01/08/2024	*			
38a	30 th Street, south of K Street, NW	024	01/08/2024	*			
39a	30 th and K Streets, NW	024	01/08/2024	*			
39b	30 th and K Streets, NW	024	01/08/2024	*			
41b ¹	31 st and K Streets, NW	025	N/A				
41c ¹	31 st and K Streets, NW	025	N/A				
42 ¹	Wisconsin Ave and K Street, NW	026	N/A				
43	Potomac and Water Streets, NW	027	01/08/2024	*			
43a	Potomac and Water Streets, NW	027	01/08/2024	*			
44	Water Street, west of Potomac St, NW	027	01/08/2024	*			
45	36 th and M Streets, NW	028	01/03/2024	*			
46	Canal Rd, 1000ft. east of Foxhall Rd, NW	029	01/03/2024	*			
47	38 th Street and Reservoir Road, NW	029	01/03/2024	*			
47a	37 th and T Streets, NW	029	01/03/2024	*			
47b	37 th and T Streets, NW	029	01/03/2024	*			
47c	38 th and W Streets, NW	029	01/03/2024	*			
49 ¹	Pennsylvania Ave, east side of Rock Creek, NW	031	N/A				
50	26 and M Streets, NW	032	01/31/2024	*			
51	N Street Extended, west of 25 th Street, NW	033	01/31/2024	*			
52	22 nd Street between M and N Streets, NW	034	01/18/2024	*			
52a	N Street between 22 nd and 23 rd Streets, NW	034	01/18/2024	*			
53	22 nd and M Streets, NW	022, 034	01/18/2024	*			
53a	22 nd and M Streets, NW	022, 034	01/18/2024	*			
53b	L Street between 21 st Street and New Hampshire Ave, NW	022, 034	01/08/2024	*			
53c	L and 22 nd Streets, NW	022	01/08/2024	*			
54	23 rd and O Streets, NW	034	01/22/2024	*			
55	22 nd Street, south of Q Street, NW	035	01/22/2024	*			
55a	22 nd Street, south of Q Street, NW	035	01/22/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
56	23 rd and Massachusetts Ave, NW	036	01/22/2024	*			
57	23 rd Street, south of Q Street, NW	036	01/22/2024	*			
58 ^l	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	01/03/2024	*			
60	Connecticut Ave, east of Rock Creek, NW	039	01/03/2024	*			
61	Biltmore St, Extended, east of Rock Creek, NW	040	01/03/2024	*			
62	Ontario Rd, Extended, and Rock Creek Pkwy, NW	041	01/11/2024	*			
63	Harvard Street and Rock Creek Parkway, NW	042	01/11/2024	*			
64	Adams Mill Road, south of Irving Street, NW	043	01/11/2024	*			
65	Kenyon Street and Adams Mill Road, NW	044	01/11/2024	*			
65a	Kenyon Street and Adams Mill Road, NW	044	01/11/2024	*			
66	Adams Mill Road and Lamont Street, NW	045	01/11/2024	*			
67	Park Rd , south of Piney Branch Pkwy, NW	046	01/11/2024	*			
68	Ingleside Terrance, Extended and Piney Branch Parkway, NW	047	01/11/2024	*			
69	Mt. Pleasant Street, Extended and Piney Branch Parkway, NW	048	01/11/2024	*			
70	Piney Branch Parkway, west of 16 th Street, NW	049	01/11/2024	*			
70i	5 th and Quackenbos Streets, NW	049	01/03/2024	*			
71	28 th Street, west of Rock Creek Parkway, NW	050	01/03/2024	*			
72	Olive Street Extended and Rock Creek Pkwy, NW	051	01/22/2024	*			
72a	Olive Street Extended and Rock Creek Pkwy, NW	051	01/22/2024	*			
73	O Street Extended and Rock Creek Parkway, NW	052	01/22/2024	*			
74 ^l	Q Street, west of Rock Creek, NW	053	N/A				
75	West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW	054	01/29/2024	*			
77	Normanstone Dr Extended, west of Rock Creek, NW	056	01/29/2024	*			
77a	Normanstone Dr and Normanstone Lane, NW	056	01/29/2024	*			
78 ^l	28th Street Extended, west of Rock Creek, NW	057	N/A				
79 ^l	Connecticut Ave and Rock Creek Parkway, NW	058	N/A				
84	26 th and P Streets, NW	060	01/22/2024	*			
84a	26 th and P Streets, NW	060	01/22/2024	*			
86	Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel)	019	01/24/2024	*			
88	Flagler and Adams St. NW (First St Tunnel)	019	01/24/2024	*			
89	First and V St, NW (First St Tunnel)	019	01/24/2024	*			

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	01/24/2024	*			
91	First and V St, NW (First St Tunnel)	019	01/24/2024	*			
92	CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)	019	01/24/2024	*			
93	CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)	018	01/25/2024	*			
95	M Street Approach Channel M and Water St SE (Anacostia River Tunnel)	015, 016, 017	01/09/2024	*			
96	CSO 007 Shaft at 11 th St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel)	007	01/29/2024	*			
97	CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)	005	01/29/2024	*			
98	Main Pumping Station Diversions (Anacostia River Tunnel)	009 – 012	01/24/2024	*			
99	CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)	009, 011a	01/24/2024	*			
100	CSO 012 Diversion Facilities (Anacostia River Tunnel)	012	01/24/2024	*			
101	Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	N/A	01/29/2024	*			
102	Anacostia Main Interceptor Diversion Chamber	N/A	01/29/2024	*			
103	Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)	N/A	01/29/2024	*			
104	Poplar Point PS Discharge Chamber	N/A	01/29/2024	*			
105	Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	003A	01/25/2024	*			
106 ²	R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)	019	01/24/2024	*			
107 ²	Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)	019	01/24/2024	*			
108 ²	T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)	019	01/24/2024	*			
109 ²	4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)	019	01/24/2024	*			
110 ²	Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)	019	01/24/2024	*			
111a ²	Mount Olivet Road Junction Chamber (MOR-JC)	019	01/24/2024	*			
111b ²	Mount Olivet Road Diversion Chamber (MOR-DC)	019	01/24/2024	*			
111c ²	Mount Olivet Road Drop Shaft (MOR-DS)	019	01/24/2024	*			

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.
2. Newly acquired Northeast Boundary Tunnel Regulator Structures.

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 Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
003 ¹	Bolling Air Force Base, at Giavanolli and Chanute, SW	N/A									
003a	Joint Base Anacostia Bolling Macdill and Arnold Ave SW	01/25/2024	*		*		*		*		
005	Across from Navy Yard, aligned with Parsons Ave., SE	01/22/2024	*		*		*		*		
006 ¹	Good Hope Road and Welsh Memorial Bridge	N/A									
007	Between 11 th St. and Anacostia Bridges, SE	01/22/2024	*		*		*		*		
009	O St. Sewage Pumping Station, SE	01/25/2024	*		*		*		*		
010	O St. Sewage Pumping Station, SE	01/25/2024	*			*			*		
011	Main Sewage Pumping Station, SE	01/25/2024	*			*			*		
011a	Main Sewage Pumping Station, SE	01/25/2024	*		*		*		*		
012	Main Sewage Pumping Station, SE	01/25/2024	*		*		*		*		
013	Southeast Federal Center, aligned with 4 th St.	01/25/2024	*		*		*		*		
014	Navy Yard, aligned with 6 th St., SE	01/25/2024	*		*		*		*		
015	Navy Yard, aligned with 9th Street, SE	01/25/2024	*			*			*		
016	12th and O Streets, SE	01/25/2024	*		*		*		*		
017	M and Water Street, SE	01/25/2024	*		*		*		*		
018	East of Barney Circle & South of Pennsylvania Avenue Bridge, SE	01/25/2024	*		*		*		*		
019	Adjacent to Service Drive behind swirl facility & D.C. General Hospital	01/25/2024	*		*		*		*		
019a	Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure)	01/25/2024	*		*		*		*		
020	Rock Creek Parkway and Independence, NW	01/18/2024	*		*		*		*		
021	Rock Creek Parkway and C St., NW	01/18/2024	*		*		*		*		
022	Rock Creek Parkway and G St., NW	01/18/2024	*		*		*		*		
024	South of 30 th and K Streets, NW ¹	01/18/2024	*		*		*		*		
025 ¹	South of 31st and K Streets, NW	N/A									
026 ¹	Wisconsin Avenue and Water Street, NW	N/A									
027	33 rd and Water Sts., NW	01/18/2024	*			*			*		
028	Key Bridge and Whitehurst Freeway, NW	01/18/2024	*			*			*		
029	Adjacent to C&O Canal, aligned with 38 th St. NW	01/18/2024	*			*			*		

NPDES Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
031 ¹	Rock Creek Pkwy & Pennsylvania Avenue, NW	N/A									
032	26th and M Street, NW	01/31/2024	*			*			*		
033	Across street from St. Francis Jr. High and aligned with N St., NW.	01/31/2024	*		*		*		*		
034	Just west of St. Francis Jr. High and north of N St., NW	01/22/2024	*			*			*		
035	P St. Bridge and Rock Creek Parkway	01/22/2024	*			*			*		
036	22nd Street, South of Q Street NW.	01/25/2024	*		*		*		*		
037 ¹	Waterside Dr. and Rock Creek Parkway	N/A									
038	Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW.	01/03/2024	*		*		*		*		
039	Connecticut Avenue Bridge and Rock Creek Parkway, NW.	01/03/2024	*		*		*		*		
040	Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.	01/03/2024	*		*		*		*		
041	Beach Dr. and Ontario Pl., NW	01/29/2024	*		*		*		*		
042	Harvard St. and Beach Dr NW.	01/29/2024	*		*		*		*		
043	Upstream of Harvard St. and Beach Dr NW.	01/29/2024	*		*		*		*		
044	Kenyon Street and Beach Dr., NW.	01/29/2024	*		*		*		*		
045	North of Beach Dr. and Walbridge Pl, NW.	01/29/2024	*		*		*		*		
046	Piney Branch Parkway and Park Road, NW.	01/11/2024	*			*			*		
047	Piney Branch Parkway and Ingleside Terrace	01/11/2024	*		*		*		*		
048	South of Piney Branch Parkway and 17 th St.	01/11/2024	*		*		*		*		
049	North of Piney Branch Parkway and 17 th St.	01/11/2024	*		*		*		*		
050	Rock Creek Parkway and L St., NW	01/03/2024	*		*		*		*		
051	Across Rock Creek Pkwy, aligned with Olive St., NW.	01/29/2024	*		*		*		*		
052	Between P & Penna. Ave Bridges, aligned with O Street, NW.	01/29/2024	*		*		*		*		
053 ¹	Q St. Bridge and Rock Creek Parkway, NW.	N/A									
054	Massachusetts Ave & Rock Creek Parkway, NW.	01/29/2024	*		*		*		*		
056	Normanstone Dr. and Rock Creek Parkway, NW.	01/29/2024	*		*		*		*		
057 ¹	28th Street and Rock Creek Parkway, NW	N/A									
058 ¹	Connecticut Ave & Rock Creek Parkway, NW.	N/A									
060	North of P St. Bridge & Rock Creek Pkwy, NW	01/25/2024	*		*		*		*		

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	None	-	-	-	-
Eastside	1	2	4	None	-	-	-	-
Poplar Point	1	2	4	Screen #1	1/01/24-1/31/24	Screen damaged by guide rail failure.	24-136991	Anticipated to return to service by 2/12/24
Potomac	31	4	5	Pump #1	01/03/24 – 01/31/24	Pump 1 sent out for motor rebuild/upgrade.	24-98217	Anticipated return to service by 3/31/24
				Screen #1	01/03/24 – 01/31/24	Screen 1 wiper bar being replaced.	24-251241	Anticipated return to service by 3/31/24

Notes:

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

<i>Pumping Station</i>	<i>Date Performed</i>	<i>Type of Preventive Maintenance Performed^{1,2}</i>	<i>Work Order Number</i>	<i>Comments</i>
Main	1/3/2024	Group A	24-200307	Add oil, grease bearings and replace packing if needed.
O St	1/3/2024	Group A	24-210715	Add oil, grease bearings and replace packing if needed.
Eastside	1/2/2024	Group A	24-161092	Add oil, grease bearings and replace packing if needed.
Poplar Point	1/3/2024	Group A	24-202416	Add oil, grease bearings and replace packing if needed.
Potomac	1/4/2024	Group A	24-166663	Add oil, grease bearings and replace packing if needed.
Rock Creek	1/4/2024	Group A	24-156026	Add oil, grease bearings and replace packing if needed.
Upper Anacostia	1/2/2024	Group A	24-202494	Add oil, grease bearings and replace packing if needed.
Earl Place	1/2/2024	Group A	24-172641	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)¹</i>
	<i>Total Wastewater (mg)</i>	<i>Daily Average Wastewater (mg)</i>	
Main ^{1,2,3}	1597*	51.5*	N/A
O St ^{1,2}	257.2202	8.2974	N/A
Eastside	149.7798	4.8316	N/A
Poplar Point	445.81	14.381	N/A
Potomac	4232.4133	136.5295	N/A
Rock Creek	259.6574	8.376	N/A
Upper Anacostia	49.2807	1.5897	N/A
Earl Place	0.192	0.0062	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. Cables are still awaiting delivery. See WO# 23-605881 *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	N/A	No	N/A	Note 1	N/A
14 – West	N/A	No	N/A	Note 1	N/A
15	1/24/24	No	N/A	N/A	N/A
15A	1/24/24	No	N/A	N/A	N/A
16 – East	1/24/24	No	N/A	Note 1	N/A
16 – West	1/24/24	No	N/A	Note 1	N/A
34	1/18/24	No	N/A	N/A	N/A
35	1/18/24	No	N/A	N/A	N/A
52	1/18/24	No	N/A	N/A	N/A

Notes:

1. As notified in the letter to EPA June 15, 2023 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.

**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>01/10/2024</i>	<i>2mins</i>	<i>Deflated</i>
16 (E & W)	<i>01/09/2024</i>	<i>1hr 53mins</i>	<i>Deflated</i>
34	<i>None</i>	<i>N/A</i>	<i>Inflated</i>
35	<i>01/09/2024</i>	<i>2hrs 14mins</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 were no dry weather combined sewer overflows reported during January 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	0	0	1363	1356	7	7	7	7
2	2832	2647	486	0	0	1843	1732	8	8	8	8
3	3720	183	0	0	0	3379	3	2	0	2	0
4	3521	1729	0	0	0	3451	1666	16	16	16	16
5	4066	1758	1693	0	0	4076	2000	1	1	1	1
6	3333	2692	2676	0	0	3967	3366	0	0	0	0
7	3879	43	43	0	0	3566	51	396	0	396	0
8	2930	213	212	0	0	886	228	365	0	365	0
Grand Total	25748¹	10707¹	5765¹	0	0	22531	10402	795	32	795	32
% Cleaned/Inspected to Date				0%	0%					3%	0%

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	01/03/2024	Good	None	Routine Cleaning	(1)
Bar Rack CSO 041	01/29/2024	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>	18
<i>Days not Operating</i>	7
<i>Reason not Operating</i>	Maintenance, wind, low water levels.
<i># Skimmer in Fleet</i>	2 Skimmers
<i># Skimmers Out of Service</i>	None.
<i>Dates</i>	N/A
<i>Reason</i>	N/A
<i>Plan to Restore to Service</i>	N/A
<i>Amount Material Collected</i>	20 tons this month. Calendar year to date 20 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)	1/3/2024	X		24-199489		
Bar Racks at Main Storm Pumps (CSO 011)	1/3/2024	X		24-199482		

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
1/1/2024	0	0	0	0	0
1/2/2024	0	0	0	0	0
1/3/2024	0	0	0	0	0
1/4/2024	0	0	0	0	0
1/5/2024	0	0	0	0	0
1/6/2024	0.76	0.83	1.00	1.05	1.02
1/7/2024	0	0	0	0.01	0
1/8/2024	0	0	0	0	0
1/9/2024	1.79	2.10	2.21	1.97	2.24
1/10/2024	0	0.01	0.01	0.01	0
1/11/2024	0	0	0	0	0
1/12/2024	0.28	0.36	0.29	0.43	0.33
1/13/2024	0.03	0.03	0.04	0.03	0.04
1/14/2024	0	0	0	0	0
1/15/2024	0.16	0.23	0.22	0.20	0.31
1/16/2024	0.01	0.03	0.01	0.01	0.04
1/17/2024	0	0	0	0	0
1/18/2024	0	0	0	0	0
1/19/2024	0.14	0.21	0.23	0.24	0.28
1/20/2024	0	0	0	0	0
1/21/2024	0	0	0	0	0
1/22/2024	0	0	0	0	0
1/23/2024	0	0	0	0	0
1/24/2024	0	0	0	0	0
1/25/2024	0.06	0.08	0.05	0.07	0.10
1/26/2024	0	0	0.01	0	0.05
1/27/2024	0.14	0.14	0.18	0.13	0.21
1/28/2024	1.05	1.11	1.27	1.29	1.26
1/29/2024	0.01	0	0	0	0
1/30/2024	0	0	0	0	0
1/31/2024	0	0	0	0	0
TOTAL	4.43	5.13	5.52	5.44	5.88

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 March 2024 Report.



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

Monthly Operations Report For
Combined Sewer System

Month: February 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: February 2024
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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 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
4 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
5 ¹	Poplar Point Pumping Station	004	N/A				
6	Chicago Street and Railroad Ave, SE	005	02/21/2024	*			
7	W Street and Railroad Ave, SE	005	02/21/2024	*			
8 ¹	Good Hope Rd, west of Nichols Ave, SE	006	N/A				
9	13 th Street and Ridge Place, SE (Diversion Structure)	007	02/21/2024	*			
9a	13 th Street and Ridge Place, SE (Regulator Structure)	007	02/21/2024	*			
9b	11 th Street Bridge and DC 295 SB (CSO-007 Diversion Chamber)	007	02/26/2024	*			
11	"O" Street Pumping Station	011(a)	02/08/2024	*			
12	Storm Pump Discharge at Main Pumping Station	011	02/21/2024	*			
13	2 nd Street, 300 ft. north of N Place, SE	009	02/08/2024	*			
14	2 nd Street, 250 ft. north of N Place, SE	011(a)	02/08/2024	*			
15	South Capitol and E Streets	010	02/08/2024	*			
15a	Half and L Streets, SE	010	02/08/2024	*			
15b	South Capitol and I Streets	010	02/14/2024	*			
15c	South Capitol and I Streets	010	02/14/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
16	North of Main Sewage Pumping Station	012	02/08/2024	*			
17	4 th and N Streets, SE, Both Extended	013	02/12/2024	*			
17a	K Street between 6 th Street and 7 th Street, SE (Side Overflow Weir)	013	02/12/2024	*			
17b	4 th and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)	013	02/12/2024	*			
18	6 th and M Streets, SE (Diversion and Overflow Structure)	014	02/12/2024	*			
18a	Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)	014	02/12/2024	*			
19	9 th and M Streets, SE	015	02/12/2024	*			
19a	9 th and M Streets, SE	015	02/12/2024	*			
19b	9 th and M Streets, SE (Diversion Chamber)	015	02/12/2024	*			
19c	9 th and M Streets, SE (Diversion Chamber)	015	02/12/2024	*			
20	12 th and M Streets, SE	016	02/12/2024	*			
20a	12 th and M Streets, SE	016	02/12/2024	*			
20b	12 th and M Streets, SE (CSO-016 Diversion Chamber)	016	02/12/2024	*			
21	14 th and M Streets, SE	017	02/12/2024	*			
21a	14 th and M Streets, SE (CSO-017 Diversion Chamber)	017	02/12/2024	*			
22a	Barney Circle and Pennsylvania Ave, SE	018	02/12/2024	*			
22b	Barney Circle and Pennsylvania Ave, SE	018	02/12/2024	*			
22c	Barney Circle and Pennsylvania Ave, SE	018	02/12/2024	*			
22d	Kentucky Ave and Potomac Street, SE	018	02/12/2024	*			
22e	14 th Street and Kentucky Ave, SE	018	02/12/2024	*			
23	Independence Ave, 21 st Street, SE, Extended	019	02/12/2024	*			
24a	East Capitol St, west of RFK stadium	019	02/12/2024	*			
28	21 st and Constitution Ave, NW	020	02/13/2024	*			
29	22 nd Street, between Constitution Ave and C St, NW	020	02/13/2024	*			
30	17 th and D Streets, NW	020	02/13/2024	*			
31	15 th Street and Pennsylvania Ave, NW	020	02/13/2024	*			
33	10 th and F Streets, NW	020	02/13/2024	*			
34	23 rd Street, north of Constitution Ave, NW	020	02/08/2024	*			
34a	23 rd Street near C Street, NW	020	02/13/2024	*			
35	Northeast of Roosevelt Bridge, NW	021	02/08/2024	*			
35c	Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW	021	02/08/2024	*			
36	27 th and I Streets, NW	022	02/13/2024	*			
36a	New Hampshire Ave and Eye Street, NW	022	02/13/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
36b	19 th and L Streets, NW	022, 034	02/13/2024	*			
36d	17 th and L Streets, NW	022, 034	02/13/2024	*			
36g	18 th and M Streets, NW	022, 034	02/13/2024	*			
36h	18 th and M Streets, NW	022, 034	02/13/2024	*			
37	27 th and Eye Streets, NW	022	02/13/2024	*			
38	29 th and K Streets, NW	024	02/13/2024	*			
38a	30 th Street, south of K Street, NW	024	02/20/2024	*			
39a	30 th and K Streets, NW	024	02/13/2024	*			
39b	30 th and K Streets, NW	024	02/13/2024	*			
41b ¹	31 st and K Streets, NW	025	N/A				
41c ¹	31 st and K Streets, NW	025	N/A				
42 ¹	Wisconsin Ave and K Street, NW	026	N/A				
43	Potomac and Water Streets, NW	027	02/13/2024	*			
43a	Potomac and Water Streets, NW	027	02/13/2024	*			
44	Water Street, west of Potomac St, NW	027	02/13/2024	*			
45	36 th and M Streets, NW	028	02/01/2024	*			
46	Canal Rd, 1000ft. east of Foxhall Rd, NW	029	02/01/2024	*			
47	38 th Street and Reservoir Road, NW	029	02/01/2024	*			
47a	37 th and T Streets, NW	029	02/01/2024	*			
47b	37 th and T Streets, NW	029	02/01/2024	*			
47c	38 th and W Streets, NW	029	02/01/2024	*			
49 ¹	Pennsylvania Ave, east side of Rock Creek, NW	031	N/A				
50	26 and M Streets, NW	032	02/14/2024	*			
51	N Street Extended, west of 25 th Street, NW	033	02/14/2024	*			
52	22 nd Street between M and N Streets, NW	034	02/14/2024	*			
52a	N Street between 22 nd and 23 rd Streets, NW	034	02/14/2024	*			
53	22 nd and M Streets, NW	022, 034	02/14/2024	*			
53a	22 nd and M Streets, NW	022, 034	02/14/2024	*			
53b	L Street between 21 st Street and New Hampshire Ave, NW	022, 034	02/13/2024	*			
53c	L and 22 nd Streets, NW	022	02/13/2024	*			
54	23 rd and O Streets, NW	034	02/06/2024	*			
55	22 nd Street, south of Q Street, NW	035	02/06/2024	*			
55a	22 nd Street, south of Q Street, NW	035	02/06/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
56	23 rd and Massachusetts Ave, NW	036	02/06/2024	*			
57	23 rd Street, south of Q Street, NW	036	02/06/2024	*			
58 ^l	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	02/01/2024	*			
60	Connecticut Ave, east of Rock Creek, NW	039	02/01/2024	*			
61	Biltmore St, Extended, east of Rock Creek, NW	040	02/01/2024	*			
62	Ontario Rd, Extended, and Rock Creek Pkwy, NW	041	02/05/2024	*			
63	Harvard Street and Rock Creek Parkway, NW	042	02/05/2024	*			
64	Adams Mill Road, south of Irving Street, NW	043	02/05/2024	*			
65	Kenyon Street and Adams Mill Road, NW	044	02/05/2024	*			
65a	Kenyon Street and Adams Mill Road, NW	044	02/05/2024	*			
66	Adams Mill Road and Lamont Street, NW	045	02/05/2024	*			
67	Park Rd , south of Piney Branch Pkwy, NW	046	02/05/2024	*			
68	Ingleside Terrance, Extended and Piney Branch Parkway, NW	047	02/05/2024	*			
69	Mt. Pleasant Street, Extended and Piney Branch Parkway, NW	048	02/05/2024	*			
70	Piney Branch Parkway, west of 16 th Street, NW	049	02/05/2024	*			
70i	5 th and Quackenbos Streets, NW	049	02/05/2024	*			
71	28 th Street, west of Rock Creek Parkway, NW	050	02/05/2024	*			
72	Olive Street Extended and Rock Creek Pkwy, NW	051	02/06/2024	*			
72a	Olive Street Extended and Rock Creek Pkwy, NW	051	02/06/2024	*			
73	O Street Extended and Rock Creek Parkway, NW	052	02/06/2024	*			
74 ^l	Q Street, west of Rock Creek, NW	053	N/A				
75	West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW	054	02/06/2024	*			
77	Normanstone Dr Extended, west of Rock Creek, NW	056	02/06/2024	*			
77a	Normanstone Dr and Normanstone Lane, NW	056	02/06/2024	*			
78 ^l	28th Street Extended, west of Rock Creek, NW	057	N/A				
79 ^l	Connecticut Ave and Rock Creek Parkway, NW	058	N/A				
84	26 th and P Streets, NW	060	02/06/2024	*			
84a	26 th and P Streets, NW	060	02/06/2024	*			
86	Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel)	019	02/29/2024	*			
88	Flagler and Adams St. NW (First St Tunnel)	019	02/07/2024	*			
89	First and V St, NW (First St Tunnel)	019	02/07/2024	*			

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	02/07/2024	*			
91	First and V St, NW (First St Tunnel)	019	02/07/2024	*			
92	CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)	019	02/26/2024	*			
93	CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)	018	02/26/2024	*			
95	M Street Approach Channel M and Water St SE (Anacostia River Tunnel)	015, 016, 017	02/12/2024	*			
96	CSO 007 Shaft at 11 th St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel)	007	02/26/2024	*			
97	CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)	005	02/26/2024	*			
98	Main Pumping Station Diversions (Anacostia River Tunnel)	009 – 012	02/08/2024	*			
99	CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)	009, 011a	02/08/2024	*			
100	CSO 012 Diversion Facilities (Anacostia River Tunnel)	012	02/08/2024	*			
101	Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	N/A	02/29/2024	*			
102	Anacostia Main Interceptor Diversion Chamber	N/A	02/29/2024	*			
103	Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)	N/A	02/29/2024	*			
104	Poplar Point PS Discharge Chamber	N/A	02/29/2024	*			
105	Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	003A	02/29/2024	*			
106 ²	R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)	019	02/07/2024	*			
107 ²	Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)	019	02/07/2024	*			
108 ²	T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)	019	02/07/2024	*			
109 ²	4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)	019	02/07/2024	*			
110 ²	Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)	019	02/07/2024	*			
111a ²	Mount Olivet Road Junction Chamber (MOR-JC)	019	02/07/2024	*			
111b ²	Mount Olivet Road Diversion Chamber (MOR-DC)	019	02/07/2024	*			
111c ²	Mount Olivet Road Drop Shaft (MOR-DS)	019	02/07/2024	*			

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.
2. Newly acquired Northeast Boundary Tunnel Regulator Structures.

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 Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
003 ¹	Bolling Air Force Base, at Giavanolli and Chanute, SW	N/A									
003a	Joint Base Anacostia Bolling Macdill and Arnold Ave SW	02/29/2024	*		*		*		*		
005	Across from Navy Yard, aligned with Parsons Ave., SE	02/14/2024	*		*		*		*		
006 ¹	Good Hope Road and Welsh Memorial Bridge	N/A									
007	Between 11 th St. and Anacostia Bridges, SE	02/14/2024	*		*		*		*		
009	O St. Sewage Pumping Station, SE	02/21/2024	*		*		*		*		
010	O St. Sewage Pumping Station, SE	02/21/2024	*			*			*		
011	Main Sewage Pumping Station, SE	02/21/2024	*			*			*		
011a	Main Sewage Pumping Station, SE	02/21/2024	*		*		*		*		
012	Main Sewage Pumping Station, SE	02/21/2024	*		*		*		*		
013	Southeast Federal Center, aligned with 4 th St.	02/21/2024	*		*		*		*		
014	Navy Yard, aligned with 6 th St., SE	02/21/2024	*		*		*		*		
015	Navy Yard, aligned with 9th Street, SE	02/21/2024	*			*			*		
016	12th and O Streets, SE	02/21/2024	*		*		*		*		
017	M and Water Street, SE	02/21/2024	*		*		*		*		
018	East of Barney Circle & South of Pennsylvania Avenue Bridge, SE	02/21/2024	*		*		*		*		
019	Adjacent to Service Drive behind swirl facility & D.C. General Hospital	02/26/2024	*		*		*		*		
019a	Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure)	02/26/2024	*		*		*		*		
020	Rock Creek Parkway and Independence, NW	02/20/2024	*		*		*		*		
021	Rock Creek Parkway and C St., NW	02/20/2024	*		*		*		*		
022	Rock Creek Parkway and G St., NW	02/20/2024	*		*		*		*		
024	South of 30 th and K Streets, NW ¹	02/20/2024	*		*		*		*		
025 ¹	South of 31st and K Streets, NW	N/A									
026 ¹	Wisconsin Avenue and Water Street, NW	N/A									
027	33 rd and Water Sts., NW	02/20/2024	*			*			*		
028	Key Bridge and Whitehurst Freeway, NW	02/20/2024	*			*			*		
029	Adjacent to C&O Canal, aligned with 38 th St. NW	02/20/2024	*			*			*		

NPDES Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
031 ¹	Rock Creek Pkwy & Pennsylvania Avenue, NW	N/A									
032	26th and M Street, NW	02/06/2024	*			*			*		
033	Across street from St. Francis Jr. High and aligned with N St., NW.	02/14/2024	*		*		*		*		
034	Just west of St. Francis Jr. High and north of N St., NW	02/06/2024	*			*			*		
035	P St. Bridge and Rock Creek Parkway	02/06/2024	*			*			*		
036	22nd Street, South of Q Street NW.	02/05/2024	*		*		*		*		
037 ¹	Waterside Dr. and Rock Creek Parkway	N/A									
038	Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW.	02/01/2024	*		*		*		*		
039	Connecticut Avenue Bridge and Rock Creek Parkway, NW.	02/01/2024	*		*		*		*		
040	Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.	02/01/2024	*		*		*		*		
041	Beach Dr. and Ontario Pl., NW	02/15/2024	*		*		*		*		
042	Harvard St. and Beach Dr NW.	02/15/2024	*		*		*		*		
043	Upstream of Harvard St. and Beach Dr NW.	02/15/2024	*		*		*		*		
044	Kenyon Street and Beach Dr., NW.	02/15/2024	*		*		*		*		
045	North of Beach Dr. and Walbridge Pl, NW.	02/15/2024	*		*		*		*		
046	Piney Branch Parkway and Park Road, NW.	02/05/2024	*			*			*		
047	Piney Branch Parkway and Ingleside Terrace	02/05/2024	*		*		*		*		
048	South of Piney Branch Parkway and 17 th St.	02/05/2024	*		*		*		*		
049	North of Piney Branch Parkway and 17 th St.	02/05/2024	*		*		*		*		
050	Rock Creek Parkway and L St., NW	02/05/2024	*		*		*		*		
051	Across Rock Creek Pkwy, aligned with Olive St., NW.	02/05/2024	*		*		*		*		
052	Between P & Penna. Ave Bridges, aligned with O Street, NW.	02/05/2024	*		*		*		*		
053 ¹	Q St. Bridge and Rock Creek Parkway, NW.	N/A									
054	Massachusetts Ave & Rock Creek Parkway, NW.	02/06/2024	*		*		*		*		
056	Normanstone Dr. and Rock Creek Parkway, NW.	02/06/2024	*		*		*		*		
057 ¹	28th Street and Rock Creek Parkway, NW	N/A									
058 ¹	Connecticut Ave & Rock Creek Parkway, NW.	N/A									
060	North of P St. Bridge & Rock Creek Pkwy, NW	02/05/2024	*		*		*		*		

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	29	3	4	None	-	-	-	-
O Street	29	2	4	None	-	-	-	-
Eastside	1	2	4	None	-	-	-	-
Poplar Point	1	2	4	Screen #1	2/01/24-2/12/24	Screen damaged by guide rail failure.	24-136991	Returned to service on 2/12/24
Potomac	29	4	5	Pump #1	2/01/24 – 2/29/24	Pump 1 sent out for motor rebuild/upgrade.	24-98217	Anticipated return to service by 3/31/24
				Screen #1	2/01/24 – 2/29/24	Screen 1 wiper bar being replaced.	24-251241	Anticipated return to service by 3/31/24

Notes:

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

<i>Pumping Station</i>	<i>Date Performed</i>	<i>Type of Preventive Maintenance Performed¹</i>	<i>Work Order Number</i>	<i>Comments</i>
Main	2/13/2024	Group A	24-247279	Add oil, grease bearings and replace packing if needed.
O St	2/6/2024	Group A	24-260534	Add oil, grease bearings and replace packing if needed.
Eastside	2/13/2024	Group A	24-208849	Add oil, grease bearings and replace packing if needed.
Poplar Point	2/14/2024	Group A	24-248915	Add oil, grease bearings and replace packing if needed.
Potomac	2/6/2024	Group A	24-212340	Add oil, grease bearings and replace packing if needed.
Rock Creek	2/22/2024	Group A, Group B	24-202430	Add oil, grease bearings and replace packing if needed.
Upper Anacostia	2/15/2024	Group A	24-249233	Add oil, grease bearings and replace packing if needed.
Earl Place	2/23/2024	Group A	24-218127	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

2. Group B consists of:
 - a. Starting February 22, 2024 Pump #1 and Pump #2 at Rock Creek Pump Station were pulled, cleaned, and sent out for repairs. Three back up pumps were placed at the station to continue maximizing flow. Expected return to service is May 31, 2024. Additionally, some flow within the Upper Potomac Interceptor has been diverted to the Upper Potomac Interceptor Relief Sewer during this time of pump repairs.

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

<i>Pumping Station</i>	<i>Sanitary Pumpage</i>		<i>Screenings Collected (tons)¹</i>
	<i>Total Wastewater (mg)</i>	<i>Daily Average Wastewater (mg)</i>	
Main ^{1,2,3}	1283*	44.2*	N/A
O St ^{1,2}	260.9336	8.9977	N/A
Eastside	110.2326	3.8011	N/A
Poplar Point	337.5600	11.6400	N/A
Potomac	3534.0090	121.8624	N/A
Rock Creek ⁴	215.6924**	7.4377**	N/A
Upper Anacostia	39.0951	1.3481	N/A
Earl Place	0.1267	0.0044	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. Cables are still awaiting delivery. See WO# 23-605881 *Values above are estimated using pump data.
4. Starting February 22, 2024 Pump #1 and Pump #2 at Rock Creek Pump Station were sent out for repairs. During this time flow has been redirected utilizing the Upper Potomac Interceptor Relief Sewer. **Values above are estimated using pump data and does not include bypass pumping volume.

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	2/8/2024	No	N/A	Note 1	N/A
	2/15/2024	Yes	2/15/2024	Note 3	2/15/2024
14 – West	2/8/2024	No	N/A	Note 1	N/A
	2/15/2024	Yes	2/15/2024	Note 3	2/15/2024
15	2/8/2024	No	N/A	N/A	N/A
15A	2/8/2024	No	N/A	N/A	N/A
16 – East	2/8/2024	No	N/A	Note 1	N/A
	2/8/2024	Yes	2/8/2024	Note 2	2/8/2024
16 – West	2/8/2024	No	N/A	Note 1	N/A
	2/8/2024	Yes	2/8/2024	Note 2	2/8/2024
34	2/8/2024	No	N/A	N/A	N/A
35	2/8/2024	No	N/A	N/A	N/A
52	2/14/2024	No	N/A	N/A	N/A

Notes:

- As notified in the letter to EPA June 15, 2023 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.
- On 2/8/2024 Structure 16 East and West deflated around 8:56am due to flow meter inspection work being done within the structure. The dam was reinflated and returned to service within three hours. This was not an overflow to the river as the upstream levels were significantly lower than the low-level threshold. See WO# 24-243894
- On 2/15/2024 Structure 14 East and West deflated around 8:48am for two minutes due to a tripped compressor motor breaker. 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 significantly lower than the low-level threshold. See WO# 24-252083.

**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	<i>None</i>	<i>N/A</i>	<i>Inflated</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 one (1) dry weather combined sewer overflow reported during February 2024 at Outfall #024 - 30th Street & K Street, NW. See attached.

[Compare](#)[Print](#)

NPDES FORM 6100-043		Sewer Overflow and Bypass Event Report [40 CFR 122.41(l)(4), (6), and (7)]	FORM Approved OMB N o. 2040-0004 Expires on 07/31/2026
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This collection of information is approved by OMB under the Paperwork Reduction Act, 44 U.S.C. 3501 et seq. (OMB Control No. 2040-0004). Responses to this collection of information are mandatory in accordance with this permit and EPA NPDES regulations (40 CFR 122.41(l)(4),(6), and (7) and 122.41(m)). An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB control number. The public reporting and recordkeeping burden for this collection of information are estimated to average 1 to 5 hours per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates and any suggested methods for minimizing respondent burden to the Regulatory Support Division Director, U.S. Environmental Protection Agency (2821T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.

EPA may make all the information submitted through this form (including all attachments) available to the public without further notice to you. Do not use this online form to submit personal information (e.g., non-business cell phone number or non-business email address), confidential business information (CBI), or if you intend to assert a CBI claim on any of the submitted information. Pursuant to 40 CFR 2.203(a), EPA is providing you with notice that all CBI claims must be asserted at the time of submission. EPA cannot accommodate a late CBI claim to cover previously submitted information because efforts to protect the information are not administratively practicable since it may already be disclosed to the public. Although we do not foresee a need for persons to assert a claim of CBI based on the types of information requested in this form, if persons wish to assert a CBI claim we direct submitters to contact the NPDES eReporting Help Desk NPDESereporting@epa.gov (<mailto:NPDESereporting@epa.gov>) for further guidance.

Facility Information

Facility Name: D.C. WASA (BLUE PLAINS)

NPDES ID: DC0021199

Facility Address: 5000 OVERLOOK AVE, SW WASHINGTON, DC 20372

Program Information

Select the type of report you want to submit: Sewer Overflow/Bypass Event Report

Were the sewer overflows or unanticipated bypass events caused by an extreme event (e.g., hurricane that flooded the sewer system) such that the number of sewer overflows cannot be tabulated as they are too numerous to count?

No

Event Information

Please enter the start and end dates of your reporting period. You can use this report to cover one or more related sewer overflow or bypass events.

Reporting Period Start Date: 02/14/2024

Reporting Period End Date: 02/23/2024

Are you submitting this sewer overflow/bypass event report due to a wet-weather event? Yes

Event Information

Please enter one event for each CSO, SSO, or bypass that has occurred for this reporting period.

Event ID: 1

Description: Sewer Overflow - 93 River Park Ln Great Falls, VA

Reporting Requirement: Other noncompliance reporting

Event Category: SSO

Please enter the type of structure of the sewer overflow. If other is selected, please enter a description of the other structure.

Type of Structure: Broken Pipe

Collection System ID: 001 - D.C. WASA Sanitary Sewer System

Latitude and Longitude: 39.037901°N, 77.282721°W

Street Address

Street Address: 93 River Park Ln

City: Great Falls **State:** VA **Zip Code:**
22066

Did this event reach waters of the United States? No

Is this an ongoing event with an unknown end date/time? No

➔ Please enter the approximate event start and end date.

Same as reporting period start and end date: No

Event Start Date: 02/14/2024 **Event End Date:** 02/23/2024

Please enter the approximate event start and end time.

Event Approximate Start Time: **Event Approximate End Time:**
08:00 am 01:00 pm

Duration of Event:
9 day(s), 5 hour(s)

Please enter the estimated discharge volume in gallons OR the estimated average discharge rate in gallons per hours.

Estimated Discharge Volume (gallons): 1000000

Estimated Average Discharge Rate (gallons per hour): 4524.9

Method for Quantifying Discharge: Modeling

Event ID: 2

Description: Dry Weather Overflow (DWO) at Outfall CSO #024

Reporting Requirement: 5-day reporting for noncompliance that may endanger health or the environment

Event Category: CSO

Please enter the type of structure of the sewer overflow. If other is selected, please enter a description of the other structure.

Type of Structure: CSO Outfall

Collection System ID: 001 - D.C. WASA Sanitary Sewer System

Is this sewer overflow associated with a permitted feature? Yes

➔ **Permitted Feature ID:** 024 - 30th and K Street, NW

Latitude and Longitude: 38.90139°N, 77.059448°W

Did this event reach waters of the United States? Yes

➔ **Receiving Waterbody Name:** Potomac River

Is this an ongoing event with an unknown end date/time? No

➔ Please enter the approximate event start and end date.

Same as reporting period start and end date: No

Event Start Date: 02/22/2024

Event End Date: 02/22/2024

Please enter the approximate event start and end time.

Event Approximate Start Time:

09:30 am

Event Approximate End Time:

11:00 am

Duration of Event:

1 hour(s), 30 minute(s)

Please enter the estimated discharge volume in gallons OR the estimated average discharge rate in gallons per hours.

Estimated Discharge Volume (gallons): 600

Estimated Average Discharge Rate (gallons per hour): 400

Method for Quantifying Discharge: Best Professional Judgement

Violation Detection Information

Violation Code	Violation Description	Event ID	Start Date	End Date
R015S	Wet-weather SSO, no discharge to waters of the U.S., that are not compliant with permit requirements but do not "endanger health or the environment"	1	2024-02-14	2024-02-23
R001S	Wet-weather CSO discharge to waters of the U.S. that may "endanger health or the environment"	2	2024-02-22	2024-02-22

Causes

Please enter at least one cause for each event ID entered in the Sewer Overflow/Bypass Event Information section of this report.

1)

Category: Sewer Collection System Problems

Cause: Broken Pipe - Aging Infrastructure

Event IDs:

- 1 - Sewer Overflow - 93 River Park Ln Great Falls, VA

2)

Category: Sewer Collection System Problems

Cause: Blockage - Other Debris

Event IDs:

- 2 - Dry Weather Overflow (DWO) at Outfall CSO #024

3)

Category: Sewer Collection System Problems

Cause: Other Cause in Sewer Collection System - Not Elsewhere Specified

Other Cause Description: Raw sanitary sewage surged over the weir at Structure 38 due to debris obstruction

Event IDs:

- 2 - Dry Weather Overflow (DWO) at Outfall CSO #024

Corrective Actions

Please enter at least one corrective action for each event ID entered in the Sewer Overflow/Bypass Event Information section of this report.

1)

Category: Short Term Response Actions

Corrective Action: Pumping Around Blockage or Break

Event IDs:

- 1 - Sewer Overflow - 93 River Park Ln Great Falls, VA

2)

Category: Long Term Corrective Actions

Corrective Action: Sewer Rehabilitation

Event IDs:

- 1 - Sewer Overflow - 93 River Park Ln Great Falls, VA

3)

Category: Short Term Response Actions

Corrective Action: Sewer Flushing, Rodding, Blockage/Debris Removal

Event IDs:

- 2 - Dry Weather Overflow (DWO) at Outfall CSO #024

Impacts

Please enter at least one impact for each event ID entered in the Sewer Overflow/Bypass Event Information section of this report.

1)

Category: No Potential Impacts Expected

Impact: No Potential Impacts Expected

Event IDs:

- 1 - Sewer Overflow - 93 River Park Ln Great Falls, VA

2)

Category: Known or Potential Human Health Impacts

Impact: Odors

Event IDs:

- 2 - Dry Weather Overflow (DWO) at Outfall CSO #024

3)

Category: Known or Potential Environmental Impacts

Impact: Other

Other Impact Description: Undetermined

Event IDs:

- 2 - Dry Weather Overflow (DWO) at Outfall CSO #024

Additional Information

Are you required to submit a twenty-four hour notification to the permitting authority for the events included in this report?

Yes

➔ Twenty-Four Hour Reporting

Please identify the individual at the permitting authority notified of the event, or if not an individual, how the permitting authority was notified.

Phone call made to Steve Maslowski

Date Notified: 02/16/2024

Time Notified: 06:00 pm

Please identify the individual who reported the event.

Name: David Parker

Please identify the individual at the permitting authority notified of the event, or if not an individual, how the permitting authority was notified.

Steven Maslowski of EPA was notified via telephone Robert Burnett of DOEE was notified via telephone.

Date Notified: 02/22/2024

Time Notified: 03:50 pm

Please identify the individual who reported the event.

Name: Steve Medley

Please describe why you are submitting this Change report.

To add another Sewer Overflow incident report that the date overlapped with this one.

Additional Attachments

Name	Created Date	Size
------	--------------	------

Certification Information

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I have no personal knowledge that the information submitted is other than true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Signing an electronic document on behalf of another person is subject to criminal, civil, administrative, or other lawful action.

Certified By: Clement A. Oguns (COGUNS@DCWATER.COM)

Certifier Organization: DC Water

Certifier Title: Mr

Certifier Email: coguns@dcwater.com

Certified On: 02/29/2024 9:42 AM

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	0	0	7	7	0	0	7	7
2	2832	2647	486	6	0	8	8	0	0	8	8
3	3720	183	0	0	0	2	0	0	0	2	0
4	3521	1729	0	0	0	16	16	1	1	17	17
5	4066	1758	1693	0	0	1	1	0	0	1	1
6	3333	2692	2676	647	0	0	0	0	0	0	0
7	3879	43	43	4	0	396	0	1236	0	1632	0
8	2930	213	212	0	0	365	0	595	0	960	0
Grand Total	25748¹	10707¹	5765¹	657	0	795	32	1832	1	2627	33
% Cleaned/Inspected to Date				11%	0%					10%	0%

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	02/01/2024	Good	None	Routine Cleaning	(1)
Bar Rack CSO 041	02/15/2024	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>	7
<i>Reason not Operating</i>	Maintenance, wind, low water levels.
<i># Skimmer in Fleet</i>	3 Skimmers ¹
<i># Skimmers Out of Service</i>	2 Skimmers
<i>Dates</i>	B33: Feb 12 to Feb 16. B34: Feb 12.
<i>Reason</i>	B33: offloading screen motor failure. B34: offloading screen lifting ram failure.
<i>Plan to Restore to Service</i>	B34: returned to operations on Feb 13. B33: returned to operations on Feb 17.
<i>Amount Material Collected</i>	25 tons this month. Calendar year to date 45 tons.
<i>Nature of Material</i>	Bottles, cans, natural debris and plastics.

Notes:

(1) New skimmer boat received on February 21, 2024, B35.

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)	2/13/2024	X		24-256313		
Bar Racks at Main Storm Pumps (CSO 011)	2/13/2024	X		24-256305		

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
2/1/2024	0	0	0	0	0
2/2/2024	0	0	0	0	0.01
2/3/2024	0	0	0	0	0
2/4/2024	0	0	0	0	0
2/5/2024	0	0	0	0	0
2/6/2024	0	0	0	0	0
2/7/2024	0	0	0	0	0
2/8/2024	0	0	0	0	0
2/9/2024	0	0	0	0	0
2/10/2024	0	0	0	0	0
2/11/2024	0.07	0.08	0.11	0.11	0.13
2/12/2024	0.09	0.13	0.07	0.09	0.11
2/13/2024	0.64	0.66	0.81	0.72	0.74
2/14/2024	0	0	0	0	0
2/15/2024	0	0	0	0	0
2/16/2024	0	0	0	0	0
2/17/2024	0.07	0.09	0.11	0.11	0.10
2/18/2024	0	0	0	0	0
2/19/2024	0	0	0	0	0
2/20/2024	0	0	0	0	0
2/21/2024	0	0	0	0	0
2/22/2024	0	0	0	0	0
2/23/2024	0	0	0	0	0.01
2/24/2024	0	0	0	0	0.02
2/25/2024	0	0	0	0	0
2/26/2024	0	0	0	0	0
2/27/2024	0	0	0.01	0	0.02
2/28/2024	0.22	0.23	0.27	0.20	0.27
2/29/2024	0	0	0	0	0
TOTAL	1.09	1.19	1.38	1.23	1.41

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 March 2024 Report.



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

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

Month: March 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: March 2024
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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 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
4 ¹	Bolling AFB, 2250 ft. north of the south line of the Base, SW	003	N/A				
5 ¹	Poplar Point Pumping Station	004	N/A				
6	Chicago Street and Railroad Ave, SE	005	03/25/2024	*			
7	W Street and Railroad Ave, SE	005	03/25/2024	*			
8 ¹	Good Hope Rd, west of Nichols Ave, SE	006	N/A				
9	13 th Street and Ridge Place, SE (Diversion Structure)	007	03/25/2024	*			
9a	13 th Street and Ridge Place, SE (Regulator Structure)	007	03/25/2024	*			
9b	11 th Street Bridge and DC 295 SB (CSO-007 Diversion Chamber)	007	03/25/2024	*			
11	"O" Street Pumping Station	011(a)	03/26/2024	*			
12	Storm Pump Discharge at Main Pumping Station	011	03/26/2024	*			
13	2 nd Street, 300 ft. north of N Place, SE	009	03/20/2024	*			
14	2 nd Street, 250 ft. north of N Place, SE	011(a)	03/20/2024	*			
15	South Capitol and E Streets	010	03/20/2024	*			
15a	Half and L Streets, SE	010	03/20/2024	*			
15b	South Capitol and I Streets	010	03/25/2024	*			
15c	South Capitol and I Streets	010	03/25/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
16	North of Main Sewage Pumping Station	012	03/20/2024	*			
17	4 th and N Streets, SE, Both Extended	013	03/06/2024	*			
17a	K Street between 6 th Street and 7 th Street, SE (Side Overflow Weir)	013	03/06/2024	*			
17b	4 th and N Streets, SE, Both Extended (CSO-013 Diversion Chamber)	013	03/25/2024	*			
18	6 th and M Streets, SE (Diversion and Overflow Structure)	014	03/25/2024	*			
18a	Tingey Street SE and 5 1 / 2 Street SE (CSO-014 Diversion Chamber)	014	03/25/2024	*			
19	9 th and M Streets, SE	015	03/25/2024	*			
19a	9 th and M Streets, SE	015	03/25/2024	*			
19b	9 th and M Streets, SE (Diversion Chamber)	015	03/25/2024	*			
19c	9 th and M Streets, SE (Diversion Chamber)	015	03/25/2024	*			
20	12 th and M Streets, SE	016	03/25/2024	*			
20a	12 th and M Streets, SE	016	03/25/2024	*			
20b	12 th and M Streets, SE (CSO-016 Diversion Chamber)	016	03/25/2024	*			
21	14 th and M Streets, SE	017	03/25/2024	*			
21a	14 th and M Streets, SE (CSO-017 Diversion Chamber)	017	03/25/2024	*			
22a	Barney Circle and Pennsylvania Ave, SE	018	03/11/2024	*			
22b	Barney Circle and Pennsylvania Ave, SE	018	03/11/2024	*			
22c	Barney Circle and Pennsylvania Ave, SE	018	03/11/2024	*			
22d	Kentucky Ave and Potomac Street, SE	018	03/11/2024	*			
22e	14 th Street and Kentucky Ave, SE	018	03/11/2024	*			
23	Independence Ave, 21 st Street, SE, Extended	019	03/11/2024	*			
24a	East Capitol St, west of RFK stadium	019	03/11/2024	*			
28	21 st and Constitution Ave, NW	020	03/07/2024	*			
29	22 nd Street, between Constitution Ave and C St, NW	020	03/07/2024	*			
30	17 th and D Streets, NW	020	03/07/2024	*			
31	15 th Street and Pennsylvania Ave, NW	020	03/07/2024	*			
33	10 th and F Streets, NW	020	03/07/2024	*			
34	23 rd Street, north of Constitution Ave, NW	020	03/20/2024	*			
34a	23 rd Street near C Street, NW	020	03/07/2024	*			
35	Northeast of Roosevelt Bridge, NW	021	03/26/2024	*			
35c	Kennedy Center Rock Creek and Potomac Pkwy Northeast of Roosevelt Bridge, NW	021	03/26/2024	*			
36	27 th and I Streets, NW	022	03/07/2024	*			
36a	New Hampshire Ave and Eye Street, NW	022	03/07/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
36b	19 th and L Streets, NW	022, 034	03/07/2024	*			
36d	17 th and L Streets, NW	022, 034	03/07/2024	*			
36g	18 th and M Streets, NW	022, 034	03/07/2024	*			
36h	18 th and M Streets, NW	022, 034	03/07/2024	*			
37	27 th and Eye Streets, NW	022	03/07/2024	*			
38	29 th and K Streets, NW	024	03/07/2024	*			
38a	30 th Street, south of K Street, NW	024	03/07/2024	*			
39a	30 th and K Streets, NW	024	03/07/2024	*			
39b	30 th and K Streets, NW	024	03/07/2024	*			
41b ¹	31 st and K Streets, NW	025	N/A				
41c ¹	31 st and K Streets, NW	025	N/A				
42 ¹	Wisconsin Ave and K Street, NW	026	N/A				
43	Potomac and Water Streets, NW	027	03/07/2024	*			
43a	Potomac and Water Streets, NW	027	03/07/2024	*			
44	Water Street, west of Potomac St, NW	027	03/07/2024	*			
45	36 th and M Streets, NW	028	03/04/2024	*			
46	Canal Rd, 1000ft. east of Foxhall Rd, NW	029	03/04/2024	*			
47	38 th Street and Reservoir Road, NW	029	03/04/2024	*			
47a	37 th and T Streets, NW	029	03/04/2024	*			
47b	37 th and T Streets, NW	029	03/04/2024	*			
47c	38 th and W Streets, NW	029	03/04/2024	*			
49 ¹	Pennsylvania Ave, east side of Rock Creek, NW	031	N/A				
50	26 and M Streets, NW	032	03/26/2024	*			
51	N Street Extended, west of 25 th Street, NW	033	03/26/2024	*			
52	22 nd Street between M and N Streets, NW	034	03/26/2024	*			
52a	N Street between 22 nd and 23 rd Streets, NW	034	03/26/2024	*			
53	22 nd and M Streets, NW	022, 034	03/26/2024	*			
53a	22 nd and M Streets, NW	022, 034	03/07/2024	*			
53b	L Street between 21 st Street and New Hampshire Ave, NW	022, 034	03/07/2024	*			
53c	L and 22 nd Streets, NW	022	03/07/2024	*			
54	23 rd and O Streets, NW	034	03/11/2024	*			
55	22 nd Street, south of Q Street, NW	035	03/11/2024	*			
55a	22 nd Street, south of Q Street, NW	035	03/11/2024	*			

Structure Number	Location	Associated NPDES Outfall	Date Inspected	Condition		Work Needed	Work performed
				Good	Needs Work		
56	23 rd and Massachusetts Ave, NW	036	03/11/2024	*			
57	23 rd Street, south of Q Street, NW	036	03/11/2024	*			
58 ^l	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	03/04/2024	*			
60	Connecticut Ave, east of Rock Creek, NW	039	03/04/2024	*			
61	Biltmore St, Extended, east of Rock Creek, NW	040	03/04/2024	*			
62	Ontario Rd, Extended, and Rock Creek Pkwy, NW	041	03/21/2024	*			
63	Harvard Street and Rock Creek Parkway, NW	042	03/21/2024	*			
64	Adams Mill Road, south of Irving Street, NW	043	03/21/2024	*			
65	Kenyon Street and Adams Mill Road, NW	044	03/21/2024	*			
65a	Kenyon Street and Adams Mill Road, NW	044	03/21/2024	*			
66	Adams Mill Road and Lamont Street, NW	045	03/21/2024	*			
67	Park Rd , south of Piney Branch Pkwy, NW	046	03/21/2024	*			
68	Ingleside Terrance, Extended and Piney Branch Parkway, NW	047	03/21/2024	*			
69	Mt. Pleasant Street, Extended and Piney Branch Parkway, NW	048	03/21/2024	*			
70	Piney Branch Parkway, west of 16 th Street, NW	049	03/21/2024	*			
70i	5 th and Quackenbos Streets, NW	049	03/04/2024	*			
71	28 th Street, west of Rock Creek Parkway, NW	050	03/21/2024	*			
72	Olive Street Extended and Rock Creek Pkwy, NW	051	03/11/2024	*			
72a	Olive Street Extended and Rock Creek Pkwy, NW	051	03/11/2024	*			
73	O Street Extended and Rock Creek Parkway, NW	052	03/11/2024	*			
74 ^l	Q Street, west of Rock Creek, NW	053	N/A				
75	West side of Rock Creek, 300 ft. south of Massachusetts Ave, NW	054	03/25/2024	*			
77	Normanstone Dr Extended, west of Rock Creek, NW	056	03/25/2024	*			
77a	Normanstone Dr and Normanstone Lane, NW	056	03/25/2024	*			
78 ^l	28th Street Extended, west of Rock Creek, NW	057	N/A				
79 ^l	Connecticut Ave and Rock Creek Parkway, NW	058	N/A				
84	26 th and P Streets, NW	060	03/11/2024	*			
84a	26 th and P Streets, NW	060	03/11/2024	*			
86	Diversion Chamber and Vortex Drop at First and Channing St, NW (First St Tunnel)	019	03/13/2024	*			
88	Flagler and Adams St. NW (First St Tunnel)	019	03/13/2024	*			
89	First and V St, NW (First St Tunnel)	019	03/13/2024	*			

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	03/13/2024	*			
91	First and V St, NW (First St Tunnel)	019	03/13/2024	*			
92	CSO 019 Diversion Near Eastside PS (Anacostia River Tunnel)	019	03/27/2024	*			
93	CSO 018 Diversion Near Barney Circle (Anacostia River Tunnel)	018	03/27/2024	*			
95	M Street Approach Channel M and Water St SE (Anacostia River Tunnel)	015, 016, 017	03/25/2024	*			
96	CSO 007 Shaft at 11 th St Bridge and DC I-295 SB Diversion Facilities (Anacostia River Tunnel)	007	03/27/2024	*			
97	CSO 005 Diversion at Chicago St Trunk Sewer, I295 SB (Anacostia River Tunnel)	005	03/27/2024	*			
98	Main Pumping Station Diversions (Anacostia River Tunnel)	009 – 012	03/26/2024	*			
99	CSO 009 and 011a Diversion Facilities (Anacostia River Tunnel)	009, 011a	03/20/2024	*			
100	CSO 012 Diversion Facilities (Anacostia River Tunnel)	012	03/20/2024	*			
101	Main Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	N/A	03/28/2024	*			
102	Anacostia Main Interceptor Diversion Chamber	N/A	03/28/2024	*			
103	Poplar Point PS Emergency Overflow Chamber (Anacostia River Tunnel)	N/A	03/28/2024	*			
104	Poplar Point PS Discharge Chamber	N/A	03/28/2024	*			
105	Potomac Outfall Sewer Diversion Chamber (Anacostia River Tunnel)	003A	03/28/2024	*			
106 ²	R Street Diversion Chamber (RS-DC) and R Street Drop Shaft (RS-DS)	019	03/13/2024	*			
107 ²	Florida Avenue Diversion Chamber (FLA-DC), Florida Avenue Drop Shaft (FLA-DS)	019	03/13/2024	*			
108 ²	T Street Junction Chamber (TS-JC), T Street Drop Shaft (TS-DS)	019	03/13/2024	*			
109 ²	4th Street NE Diversion Chamber (4S-DC), 4th Street Drop Shaft (4S-DS)	019	03/13/2024	*			
110 ²	Rhode Island Avenue Diversion Chamber (RIA-DC), Rhode Island Avenue Drop Shaft (RIA-DS)	019	03/13/2024	*			
111a ²	Mount Olivet Road Junction Chamber (MOR-JC)	019	03/13/2024	*			
111b ²	Mount Olivet Road Diversion Chamber (MOR-DC)	019	03/13/2024	*			
111c ²	Mount Olivet Road Drop Shaft (MOR-DS)	019	03/13/2024	*			

Notes:

1. Noted structures no longer function as a combined sewer overflow regulator structure.
2. Newly acquired Northeast Boundary Tunnel Regulator Structures.

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 Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
003 ¹	Bolling Air Force Base, at Giavanolli and Chanute, SW	N/A									
003a	Joint Base Anacostia Bolling Macdill and Arnold Ave SW	03/28/2024	*		*		*		*		
005	Across from Navy Yard, aligned with Parsons Ave., SE	03/04/2024	*		*		*		*		
006 ¹	Good Hope Road and Welsh Memorial Bridge	N/A									
007	Between 11 th St. and Anacostia Bridges, SE	03/04/2024	*		*		*		*		
009	O St. Sewage Pumping Station, SE	03/26/2024	*		*		*		*		
010	O St. Sewage Pumping Station, SE	03/26/2024	*			*			*		
011	Main Sewage Pumping Station, SE	03/26/2024	*			*			*		
011a	Main Sewage Pumping Station, SE	03/26/2024	*		*		*		*		
012	Main Sewage Pumping Station, SE	03/26/2024	*		*		*		*		
013	Southeast Federal Center, aligned with 4 th St.	03/26/2024	*		*		*		*		
014	Navy Yard, aligned with 6 th St., SE	03/26/2024	*		*		*		*		
015	Navy Yard, aligned with 9th Street, SE	03/26/2024	*			*			*		
016	12th and O Streets, SE	03/26/2024	*		*		*		*		
017	M and Water Street, SE	03/26/2024	*		*		*		*		
018	East of Barney Circle & South of Pennsylvania Avenue Bridge, SE	03/26/2024	*		*		*		*		
019	Adjacent to Service Drive behind swirl facility & D.C. General Hospital	03/27/2024	*		*		*		*		
019a	Adjacent to Service Drive behind swirl facility & D.C. General Hospital (Tunnel Overflow Structure)	03/27/2024	*		*		*		*		
020	Rock Creek Parkway and Independence, NW	03/05/2024	*		*		*		*		
021	Rock Creek Parkway and C St., NW	03/05/2024	*		*		*		*		
022	Rock Creek Parkway and G St., NW	03/05/2024	*		*		*		*		
024	South of 30 th and K Streets, NW ¹	03/05/2024	*		*		*		*		
025 ¹	South of 31st and K Streets, NW	N/A									
026 ¹	Wisconsin Avenue and Water Street, NW	N/A									
027	33 rd and Water Sts., NW	03/05/2024	*			*			*		
028	Key Bridge and Whitehurst Freeway, NW	03/05/2024	*			*			*		
029	Adjacent to C&O Canal, aligned with 38 th St. NW	03/05/2024	*			*			*		

NPDES Outfall	Location	Date Inspected	Outfall Condition		Tide Gate Present?		Tide Gate Condition		CSO Sign		Notes, Work Needed or Performed
			OK	Needs Work	Yes	No	OK	Needs Work	OK	Needs Work	
031 ¹	Rock Creek Pkwy & Pennsylvania Avenue, NW	N/A									
032	26th and M Street, NW	03/26/2024	*			*			*		
033	Across street from St. Francis Jr. High and aligned with N St., NW.	03/26/2024	*		*		*		*		
034	Just west of St. Francis Jr. High and north of N St., NW	03/27/2024	*			*			*		
035	P St. Bridge and Rock Creek Parkway	03/27/2024	*			*			*		
036	22nd Street, South of Q Street NW.	03/21/2024	*		*		*		*		
037 ¹	Waterside Dr. and Rock Creek Parkway	N/A									
038	Between arch footbridge and Connecticut Ave., north of Kalorama Circle, NW.	03/04/2024	*		*		*		*		
039	Connecticut Avenue Bridge and Rock Creek Parkway, NW.	03/04/2024	*		*		*		*		
040	Aligned with Biltmore Rd., between Connecticut Ave and Ellington Bridge.	03/04/2024	*		*		*		*		
041	Beach Dr. and Ontario Pl., NW	03/05/2024	*		*		*		*		
042	Harvard St. and Beach Dr NW.	03/05/2024	*		*		*		*		
043	Upstream of Harvard St. and Beach Dr NW.	03/05/2024	*		*		*		*		
044	Kenyon Street and Beach Dr., NW.	03/05/2024	*		*		*		*		
045	North of Beach Dr. and Walbridge Pl, NW.	03/05/2024	*		*		*		*		
046	Piney Branch Parkway and Park Road, NW.	03/21/2024	*			*			*		
047	Piney Branch Parkway and Ingleside Terrace	03/21/2024	*		*		*		*		
048	South of Piney Branch Parkway and 17 th St.	03/21/2024	*		*		*		*		
049	North of Piney Branch Parkway and 17 th St.	03/21/2024	*		*		*		*		
050	Rock Creek Parkway and L St., NW	03/21/2024	*		*		*		*		
051	Across Rock Creek Pkwy, aligned with Olive St., NW.	03/28/2024	*		*		*		*		
052	Between P & Penna. Ave Bridges, aligned with O Street, NW.	03/28/2024	*		*		*		*		
053 ¹	Q St. Bridge and Rock Creek Parkway, NW.	N/A									
054	Massachusetts Ave & Rock Creek Parkway, NW.	03/25/2024	*		*		*		*		
056	Normanstone Dr. and Rock Creek Parkway, NW.	03/25/2024	*		*		*		*		
057 ¹	28th Street and Rock Creek Parkway, NW	N/A									
058 ¹	Connecticut Ave & Rock Creek Parkway, NW.	N/A									
060	North of P St. Bridge & Rock Creek Pkwy, NW	03/21/2024	*		*		*		*		

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	Pump #4	3/18/24 – 03/31/24	Pump 4 placed out of service due to transformer failure	24-332556	Repaired transformer, working on VFD/Comms Return to service by 4/30/24
O Street	31	2	4	None	-	-	-	-
Eastside	1	2	4	None	-	-	-	-
Poplar Point	1	2	4	None	-	-	-	-
Potomac	31	4	5	Pump #1	3/01/24 – 3/29/24 3/29/24 – 3/31/24	Pump 1 sent out for motor rebuild/upgrade.	24-98217	Reinstalled by 3/29/24 Return to service by 4/19/24
				Screen #1	3/01/24 – 3/31/24	Screen 1 wiper bar being replaced.	24-251241	Return to service by 4/30/24

Notes:

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

<i>Pumping Station</i>	<i>Date Performed</i>	<i>Type of Preventive Maintenance Performed¹</i>	<i>Work Order Number</i>	<i>Comments</i>
Main	3/26/24	Group A	24-327505	Add oil, grease bearings and replace packing if needed.
O St	3/26/24	Group A	24-342701	Add oil, grease bearings and replace packing if needed.
Eastside	3/21/24	Group A	24-256595	Add oil, grease bearings and replace packing if needed.
Poplar Point	3/26/24	Group A	24-331809	Add oil, grease bearings and replace packing if needed.
Potomac	3/21/24	Group A	24-261845	Add oil, grease bearings and replace packing if needed.
Rock Creek	3/22/24	Group A, Group B	24-249188	Add oil, grease bearings and replace packing if needed.
Upper Anacostia	3/21/24	Group A	24-331886	Add oil, grease bearings and replace packing if needed.
Earl Place	3/21/24	Group A	24-268755	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

2. Group B consists of:
 - a. Starting February 22, 2024 Pump #1 and Pump #2 at Rock Creek Pump Station were pulled, cleaned, and sent out for repairs. Three back up pumps were placed at the station to continue maximizing flow. Expected return to service is May 31, 2024. Additionally, some flow within the Upper Potomac Interceptor have been diverted to the Upper Potomac Interceptor Relief Sewer during this time of pump repairs.

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

<i>Pumping Station</i>	<i>Sanitary Pumpage</i>		<i>Screenings Collected (tons)¹</i>
	<i>Total Wastewater (mg)</i>	<i>Daily Average Wastewater (mg)</i>	
Main ^{1,2,3}	1493*	48.2*	N/A
O St ^{1,2}	807.8077	26.0583	N/A
Eastside	130.2598	4.2019	N/A
Poplar Point	397.49	12.8223	N/A
Potomac	4139.3619	133.5278	N/A
Rock Creek ⁴	112**	3.6**	N/A
Upper Anacostia	45.4997	1.4677	N/A
Earl Place	0.1909	0.0062	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. Cables are still awaiting delivery. See WO# 23-605881 *Values above are estimated using volume measured from M2 flow sensor, which means it does not capture the total volume pumped from Main PS.
4. Starting February 22, 2024 Pump #1 and Pump #2 at Rock Creek Pump Station were sent out for repairs. During this time flow has been redirected utilizing the Upper Potomac Interceptor Relief Sewer. **Values above are estimated using pump data and does not include bypass pumping volume.

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	3/30/24	No	N/A	Note 1	N/A
	3/3/24	Yes	3/3/24	Note 2	3/3/24
14 – West	3/30/24	No	N/A	Note 1	N/A
	3/3/24	Yes	3/3/24	Note 2	3/3/24
15	3/20/24	No	N/A	N/A	N/A
15A	3/20/24	No	N/A	N/A	N/A
16 – East	3/20/24	No	N/A	Note 1	N/A
16 – West	3/20/24	No	N/A	Note 1	N/A
34	3/20/24	No	N/A	N/A	N/A
35	3/26/24	No	N/A	N/A	N/A
52	3/26/24	No	N/A	N/A	N/A

Notes:

1. As notified in the letter to EPA June 15, 2023 via email, inflatable dams will be renovated under our Capital Improvement Program. Structures 14 and 16 are currently under construction.
2. On 3/3/2024 Structure 14 East and West deflated around 10:30am due to a tripped breaker. Electrical 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 significantly lower than the low-level threshold. See WO# 24-287826.

**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)	3/23/24	4mins	Deflated
15	None	N/A	Inflated
15A	None	N/A	Inflated
16 (E & W)	None	N/A	Inflated
34	None	N/A	Inflated
35	None	N/A	Inflated
52	None	N/A	Inflated
<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 March 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	84	0	7	7	12	0	19	7
2	2832	2647	486	100	0	8	8	0	0	8	8
3	3720	183	0	0	0	2	0	247	0	249	0
4	3521	1729	0	0	0	17	17	267	0	284	17
5	4066	1758	1693	0	0	1	1	0	0	1	1
6	3333	2692	2676	1240	0	0	0	0	0	0	0
7	3879	43	43	12	0	1632	0	1115	0	2747	0
8	2930	213	212	0	0	960	0	933	0	1893	0
Grand Total	25748¹	10707¹	5765¹	1436	0	2627	33	2574	0	5201	33
% Cleaned/Inspected to Date				25%	0%					20%	0%

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	03/04/2024	Good	None	Routine Cleaning	(1)
Bar Rack CSO 041	03/05/2024	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>	21
<i>Days not Operating</i>	10
<i>Reason not Operating</i>	Maintenance, wind, low water levels.
<i># Skimmer in Fleet</i>	3 Skimmers
<i># Skimmers Out of Service</i>	1 Skimmer
<i>Dates</i>	B33: Mar 14 to Mar 17.
<i>Reason</i>	B33: Hydraulic fluid leak on a fitting.
<i>Plan to Restore to Service</i>	B33: Returned to operation on Mar 18.
<i>Amount Material Collected</i>	20 tons this month. Calendar year to date 65 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)	3/19/24	X		24-327110		
Bar Racks at Main Storm Pumps (CSO 011)	3/19/24	X		24-327103		

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
3/1/2024	0.01	0.02	0.03	0.02	0.04
3/2/2024	0.64	0.60	0.77	0.65	0.73
3/3/2024	0	0	0	0	0
3/4/2024	0.01	0.01	0.04	0.02	0.07
3/5/2024	0.45	0.44	0.56	0.59	0.52
3/6/2024	0.12	0.10	0.19	0.10	0.19
3/7/2024	0.01	0.01	0.01	0	0.01
3/8/2024	0	0	0	0	0
3/9/2024	0.82	0.80	0.85	0.85	0.81
3/10/2024	0	0	0.03	0.02	0.02
3/11/2024	0	0	0	0	0
3/12/2024	0	0	0	0	0
3/13/2024	0	0	0	0	0
3/14/2024	0	0	0	0	0
3/15/2024	0.01	0.01	0.02	0.01	0.02
3/16/2024	0	0	0	0	0
3/17/2024	0	0	0	0	0
3/18/2024	0	0	0	0	0
3/19/2024	0	0	0	0	0
3/20/2024	0	0	0	0	0
3/21/2024	0	0	0	0	0
3/22/2024	0	0	0	0	0.02
3/23/2024	1.29	1.29	1.48	1.52	1.61
3/24/2024	0	0	0	0	0
3/25/2024	0	0	0	0	0
3/26/2024	0	0	0	0	0
3/27/2024	0.73	0.72	0.78	0.73	0.78
3/28/2024	0.09	0.06	0.09	0.06	0.06
3/29/2024	0	0	0	0	0
3/30/2024	0.01	0.02	0	0.01	0.01
3/31/2024	0	0	0	0	0
TOTAL	4.19	4.08	4.85	4.58	4.89

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 March 2024 Report.

District of Columbia Water and Sewer Authority
Combined Sewer System Metered and Model Results
 Period: Q1 2024 (January, February, March)

SCENARIO: QuarterlyReport_2024Q1_ALL, produced on 3 April 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)
Anacostia CSOs								
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 th Street and Ridge Place, SE	Metered	1	0.03	0.25	0.25	0.25	0.25
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 Sewage Pumping 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 Sewage Pumping Station, SE (gravity overflow)	Metered	0	0.00	0.00	0.00	0.00	0.00
012	North of Main Sewage Pumping Station, SE (Tiber Creek)	Metered	1	2.02	2.08	2.08	2.08	2.08
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	1	1.96	1.75	1.75	1.75	1.75
019A	Northeast Boundary - Tunnel OF	Metered	1	84.23	4.58	4.58	4.58	4.58
	SUBTOTAL			88.24				
Potomac CSOs								
003A	JBAB Tunnel OF	Metered	1	24.08	3.25	3.25	3.25	3.25
020	23rd Street, North of Constitution Ave, NW (Easby Point)	Modeled	8	20.35	28.25	3.53	7.00	1.25
021	Northeast of Roosevelt Bridge, NW	Modeled	10	140.03	30.50	3.05	7.25	0.75
022	27th and K Streets, NW	Modeled	11	1.55	48.75	4.43	10.00	0.25
024	30th and K Streets, NW	Modeled	13	3.56	79.00	6.08	14.50	0.75
025	31st & K St NW	separated						
026	Wisconsin Avenue and K St., NW	separated						
027	Water Street West of Street, NW	Modeled	10	5.92	47.00	4.70	9.50	1.50
028	36th and M Streets, NW	Modeled	13	3.72	97.75	7.52	14.50	1.25
029	Canal Road 1000 feet east of Rock Creek, NW	Modeled	11	5.49	50.25	4.57	10.25	0.25
	SUBTOTAL			204.70				
Rock Creek								
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 extended west 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	10	0.30	30.75	3.08	7.00	0.75
037	Northwest of Belmont and Rock Creek and Potomac Parkway	separated						
038	North of Belmont Road, east of Kalamazoo 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 Rock Creek, 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 Rock Creek Parkway, NW	Modeled	0	0.00	0.00	0.00	0.00	0.00
043	Adams Mill Road South of Irving Street, NW	Modeled	0	0.00	0.00	0.00	0.00	0.00
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	0	0.00	0.00	0.00	0.00	0.00
046	Park Road south of Piney Branch Parkway, NW	Modeled	0	0.00	0.00	0.00	0.00	0.00
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	0	0.00	0.00	0.00	0.00	0.00
049	Piney Branch and Lamont Street, NW	Modeled	1	0.97	0.75	0.75	0.75	0.75
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 Creek 300 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 th St, NW	Modeled	0	0.00	0.00	0.00	0.00	0.00
	SUBTOTAL			1.27				
	TOTAL			294.21				

District of Columbia Water and Sewer Authority
Combined Sewer System Metered and Model Results
Period: Q1 2024 (January, February, March)

SCENARIO: QuarterlyReport_2024Q1_ALL, produced on 3 April 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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Prepared by: Greeley and Hansen LLC and Limno-Tech, Inc.