



City of Chattanooga

Mayor Tim Kelly

October 31, 2023

J.C. Goodwin
Water Enforcement Branch
Enforcement and Compliance Assurance Division
US EPA-Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245*
Quarterly Report No. 41 – July 1, 2023 to September 30, 2023

Dear Mr. Goodwin:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the consent decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the forty-first quarterly report required pursuant to paragraph 38 of the Consent Decree. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the Consent Decree.

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

Mr. John Goodwin
October 31, 2023
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Please let me know if you have any questions regarding our submittal.

Sincerely,


Mark Heinzer (Oct 31, 2023 12:21 EDT)

Mark Heinzer, P.E.
Administrator, Wastewater Department

Enclosure

cc:

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Chattanooga



Quarterly Report No. 41

July 1, 2023 – September 30, 2023

Prepared for

**United States Environmental Protection Agency
and Tennessee Department of Environment and
Conservation**

City of Chattanooga
Wastewater Department
Consent Decree Program
Case No. 1:12-cv-00245

Prepared by

City of Chattanooga
Wastewater Department

Submitted by

Jacobs

Jacobs Engineering Group Inc.
Consent Decree Program Manager

Chattanooga, Tennessee

October 31, 2023

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Acronyms and Abbreviations

Ave	Avenue
CD	Consent Decree
CFR	Code of Federal Regulations
CSO	Combined Sewer Overflow
CSS	Combined Sewer System
Dr	Drive
EPA	Environmental Protection Agency
Gal	Gallons
Hrs	Hours
Hwy	Highway
Ln	Lane
MBWWTP	Moccasin Bend Wastewater Treatment Plant
MBEC	Moccasin Bend Environmental Campus
MG	Million Gallons
MH	Manhole
N/A	Not Applicable
No.	Number
NPDES	National Pollutant Discharge Elimination System
PS	Pump Station
Rd	Road
SSO	Sanitary Sewer Overflow
St	Street
TDEC	Tennessee Department of Environment and Conservation
Trl	Trail
UNK	Unknown
WCTS	Wastewater Collection and Transmission System
WWTP	Wastewater Treatment Plant

1.0 Introduction

1.1 Purpose

The City of Chattanooga entered into a consent decree with the United States and the State of Tennessee in the case styled *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245* (“CD”), which became effective on April 24, 2013. Pursuant to Section IX, paragraph 38 of the CD, Chattanooga is required to submit reports on a quarterly basis to the Environmental Protection Agency (“EPA”) and Tennessee Department of Environment and Conservation (“TDEC”). Chattanooga has prepared Quarterly Report No. 41 to satisfy the reporting requirements of the CD. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the CD.

1.2 Requirements

As detailed in Section IX, paragraph 38 of the CD, Chattanooga is required to report the date, time, location, source, estimated duration and volume, and receiving water of the following events:

1. Sanitary sewer overflow (“SSO”) events occurring during the reporting period;
2. Combined sewer overflow (“CSO”) outfall discharges occurring during the reporting period;
and
3. Bypasses at the Moccasin Bend Environmental Campus (“MBEC”) formerly known as Moccasin Bend Wastewater Treatment Plant (“MBWWTP”) occurring during the reporting period.

This information is provided in tabular form in Sections 2.0 – 4.0 of this report.

2.0 SSO Events

For the reporting period of July 1, 2023, through September 30, 2023, Chattanooga experienced the SSOs listed in Table 2-1. An SSO event is defined in paragraph 8.(nn) of the CD as “any discharge of wastewater to waters of the United States or State from Chattanooga’s Sewer System through a point source not permitted in any National Pollutant Discharge Elimination System (“NPDES”) permit, as well as any overflow, spill, or release of wastewater to public or private property from the Sewer System that may not have reached waters of the United States or the State, including all building backups.”

**Table 2-1
Quarterly SSO Outfall Discharge Report**

July 1, 2023 – September 30, 2023									
SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
1	02-Jul-23	6:15 PM	270 Aster Ave	Manhole	S154J040	0.75	22,500	Storm Ditch	Pump Station - Electrical Failure
2	05-Jul-23	10:00 AM	1022 Shallowford Rd	Manhole	S147G104	4.00	6,000	Storm Ditch	Wet Weather
3	05-Jul-23	10:30 AM	3728 Wilcox Blvd	Manhole	S147B301	3.50	210	Storm Ditch	Wet Weather
4	07-Jul-23	10:15 AM	1511 Riverview Rd	Manhole	S136B038	1.00	60	Storm Drain	Blockage - General
5	18-Jul-23	10:30 AM	826 Manchester Dr	Main Line	UNK ¹	0.00	5	Structure*	Construction/Maintenance Related
6	23-Jul-23	9:14 PM	1000 Meroney St	Manhole	S126M053	1.77	10	Land*	Blockage - Trash/Debris
7	09-Aug-23	4:30 PM	700 N Crest Rd	Service Line	UNK ¹	2.75	320	Storm Drain	Blockage - Roots
8	16-Aug-23	3:00 PM	2502 Highpoint Dr	Manhole	S126D300	1.50	450	Land*	Blockage - Grease
9	26-Aug-23	3:30 AM	455 Moccasin Bend Rd	Manhole	S135P278	1.17	500	Storm Drain	Blockage - General
10	27-Aug-23	4:35 PM	455 Moccasin Bend Rd	Manhole	S135P277	0.17	500	Storm Drain	Blockage - General
11	01-Sep-23	8:30 AM	232 Templeton Ln	Other	UNK ¹	UNK ¹	1	Structure*	Construction/Maintenance Related
12	10-Sep-23	2:00 PM	1800 Old Wauhatchie Pike	Manhole	S153D014	2.00	60	Storm Drain	Blockage - Trash/Debris
13	14-Sep-23	10:00 AM	1912 Colonial Way Cr	Main Line	UNK ¹	4.50	1,350	Storm Ditch	Defect(s)
14	19-Sep-23	12:00 AM	4309 Delashmitt Rd	Manhole	S109K124	1.83	110	Storm Ditch	Blockage - Trash/Debris

¹ This information was not available at time of reporting.

* Did not reach waters of the United States

3.0 Moccasin Bend EC Bypasses

The CD sets forth the same definition for bypass as the EPA's regulations at 40 C.F.R. § 122.41(m), which defines a bypass as the intentional diversion of waste streams from any portion of a treatment facility. The City's current NPDES permit defines a bypass as the intentional diversion of wastewater away from any portion of a treatment facility other than through peak excess flow treatment facilities or permitted outfalls in accordance with both the long-term control plan and the nine minimum technology-based effluent controls for combined sewer systems. The City reports bypasses and wet weather discharges separately on the monthly Discharge Monitoring Reports, as a discharge from the City's permitted wet weather discharge is not a bypass under the City's current NPDES permit. Based on the foregoing, the WWTP experienced no bypasses during the reporting period of July 1, 2023 through September 30, 2023.

4.0 CSO Outfall Discharges

For the reporting period of July 1, 2023 through September 30, 2023, Chattanooga experienced CSO discharges from CSO outfall treatment facilities as listed in Table 4-1. Paragraph 8.(h) of the CD defines a CSO as “any discharge from the CSS from any outfall currently identified, or identified in the future, as a permitted combined sewer overflow outfall in any Chattanooga NPDES permit from which CSOs are discharged to waters of the United States or the State.” The CSS is defined as the portion of Chattanooga’s wastewater collection and transmission system (“WCTS”) designed to convey municipal sewage (domestic, commercial and industrial wastewaters) and storm water runoff through a single-pipe system to Chattanooga’s WWTP or CSO outfalls. Chattanooga operates eight (8) permitted CSO outfall treatment facilities, six (6) of which discharged during the reporting period.

**Table 4-1
Quarterly CSO Outfall Discharge Report**

July 1, 2023 – September 30, 2023						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
01-Jul-23	4:51 PM	19th St CSO (008)	0.18	0.008780	Tennessee River	Rain Event
01-Jul-23	5:00 PM	Citico CSO (004)	0.2	0.348810	Tennessee River	Rain Event
01-Jul-23	6:58 PM	Central Ave CSO (002)	37.63	2.077971	Chattanooga Creek	Rain Event
02-Jul-23	4:32 PM	19th St CSO (008)	0.4	0.046564	Tennessee River	Rain Event
02-Jul-23	4:44 PM	Carter St CSO (009)	1.97	1.323781	Tennessee River	Rain Event
05-Jul-23	8:12 AM	Tremont CSO (005)	0.4	0.035230	Tennessee River	Rain Event
05-Jul-23	8:40 AM	Citico CSO (004)	0.67	0.001254	Tennessee River	Rain Event
05-Jul-23	8:55 AM	Central Ave CSO (002)	47.99	2.031715	Chattanooga Creek	Rain Event
20-Jul-23	4:22 PM	Tremont CSO (005)	1.17	0.366350	Tennessee River	Rain Event
20-Jul-23	4:48 PM	Riverfront (formerly known as "Ross's Landing") CSO (006)	1.1	2.447864	Tennessee River	Rain Event
20-Jul-23	4:52 PM	Citico CSO (004)	0.87	0.874614	Tennessee River	Rain Event
20-Jul-23	4:56 PM	Carter St CSO (009)	4.23	5.608333	Tennessee River	Rain Event
20-Jul-23	6:20 PM	Central Ave CSO (002)	25.68	5.415333	Chattanooga Creek	Rain Event
06-Aug-23	7:16 AM	River Front (formerly known as "Ross's Landing") CSO (006)	1.73	3.474892	Tennessee River	Rain Event
06-Aug-23	7:32 AM	Citico CSO (004)	4.77	5.697230	Tennessee River	Rain Event
06-Aug-23	7:32 AM	Carter St CSO (009)	7.23	6.731980	Tennessee River	Rain Event
06-Aug-23	8:35 AM	Central Ave CSO (002)	27.24	8.708800	Chattanooga Creek	Rain Event
06-Aug-23	10:30 AM	Tremont CSO (005)	0.6	0.099588	Tennessee River	Rain Event
07-Aug-23	2:49 PM	Carter St CSO (009)	2.33	1.788468	Tennessee River	Rain Event
10-Aug-23	5:16 AM	Tremont CSO (005)	0.73	0.091938	Tennessee River	Rain Event
10-Aug-23	6:16 AM	Carter St CSO (009)	4.73	3.994041	Tennessee River	Rain Event
11-Aug-23	7:29 AM	Carter St CSO (009)	3.07	3.056044	Tennessee River	Rain Event
11-Aug-23	7:47 AM	Central Ave CSO (002)	18.3	1.190808	Chattanooga Creek	Rain Event