



City of Chattanooga

Mayor Tim Kelly

January 31, 2024

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. 42 – October 1, 2023 to December 31, 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-second 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
January 31, 2024
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Please let me know if you have any questions regarding our submittal.

Sincerely,


Mark Heinzer (Jan 31, 2024 16:00 EST)

Mark Heinzer, P.E.
Administrator, Wastewater Department

Enclosure

cc:

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Chattanooga



Quarterly Report No. 42

October 1, 2023 – December 31, 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

January 31, 2024

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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. 42 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 October 1, 2023, through December 31, 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**

October 1, 2023 – December 31, 2023									
SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
1	05-Oct-23	12:00 PM	4850 Jersey Pike	Manhole	S129C001	1.17	70	Land*	Blockage - Grease
2	08-Oct-23	2:30 PM	1800 Old Wauhatchie Pike	Manhole	S153D015	1.00	300	Storm Drain	Blockage - Trash/Debris
3	11-Oct-23	9:30 AM	Swan Rd	Manhole	S129C003	28.83	840	Storm Ditch	Defect(s)
4	13-Oct-23	1:45 PM	3819 Grace Ave	Manhole	S128H012	3.75	450	Storm Ditch	Blockage - Trash/Debris
5	02-Nov-23	1:30 PM	6320 Francis Ln	Manhole	S128K024	4.50	6,750	Storm Ditch	Blockage - Roots
6	03-Nov-23	9:00 AM	6320 Francis Ln	Manhole	S128K024	3.00	1,800	Storm Ditch	Blockage - Roots
7	03-Nov-23	12:30 PM	1275 Village Green Dr	Manhole	S092P007	3.00	25	Storm Ditch	Blockage - Trash/Debris
8	06-Nov-23	10:30 AM	2720 Ocoee St	Manhole	S137P028	1,229.00 ²	147,480	Storm Ditch	Break
9	21-Nov-23	11:55 AM	2109 Lynnbrook Ave	Manhole	S156G048	20.58	30,625	Dobbs Branch	Wet Weather
10	21-Nov-23	1:00 PM	1022 Shallowford Rd	Manhole	S147G104	19.83	178,500	Storm Ditch	Wet Weather
11	10-Dec-23	2:30 PM	3900 Hughes Ave	Manhole	S155N071	18.83	113,000	Storm Ditch	Wet Weather
12	26-Dec-23	11:40 AM	1124 Flynn St	Manhole	S146H589	3.33	200	Storm Ditch	Blockage - Trash/Debris
13	28-Dec-23	10:15 AM	1266 Village Green Dr	Main Line	UNK ¹	1.50	450	Storm Ditch	Blockage - Trash/Debris

¹ This information was not available at time of reporting.

² Prolonged duration due to by-pass pumping.

* 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 October 1, 2023 through December 31, 2023.

4.0 CSO Outfall Discharges

For the reporting period of October 1, 2023 through December 31, 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, seven (7) of which discharged during the reporting period.

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

October 1, 2023 – December 31, 2023						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
21-Nov-23	9:24 AM	Tremont CSO (005)	5.3	0.674782	Tennessee River	Rain Event
21-Nov-23	10:14 AM	Riverfront (formerly known as "Ross's Landing") CSO (006)	4.4	5.690892	Tennessee River	Rain Event
21-Nov-23	10:26 AM	Citico CSO (004)	4.5	6.549844	Tennessee River	Rain Event
21-Nov-23	10:30 AM	19th St CSO (008)	8.4	3.049047	Tennessee River	Rain Event
21-Nov-23	11:14 AM	Central Ave CSO (002)	22.1	17.024192	Chattanooga Creek	Rain Event
21-Nov-23	11:58 AM	Williams St CSO (003)	19.2	1.204740	Chattanooga Creek	Rain Event
02-Dec-23	12:28 PM	Central Ave CSO (002)	29.9	5.876353	Chattanooga Creek	Rain Event
02-Dec-23	4:38 PM	Tremont CSO (005)	7.3	0.192731	Tennessee River	Rain Event
02-Dec-23	10:12 PM	19th St CSO (008)	4.6	1.038590	Tennessee River	Rain Event
10-Dec-23	1:12 AM	19th St CSO (008)	7.4	1.318758	Tennessee River	Rain Event
10-Dec-23	1:40 AM	Central Ave CSO (002)	46.8	6.115543	Chattanooga Creek	Rain Event
10-Dec-23	12:02 PM	Tremont CSO (005)	2.9	0.337478	Tennessee River	Rain Event
10-Dec-23	12:24 PM	Riverfront (formerly known as "Ross's Landing") CSO (006)	2.2	0.965197	Tennessee River	Rain Event
10-Dec-23	12:28 PM	East Bank (formerly known as "MLK") CSO (007)	2.2	0.183454	Tennessee River	Rain Event
10-Dec-23	12:34 PM	Citico CSO (004)	39.7	0.597107	Tennessee River	Rain Event
25-Dec-23	11:58 AM	Tremont CSO (005)	5.1	0.669018	Tennessee River	Rain Event
25-Dec-23	12:48 PM	East Bank (formerly known as "MLK") CSO (007)	2.9	0.332080	Tennessee River	Rain Event
25-Dec-23	1:20 PM	Riverfront (formerly known as "Ross's Landing") CSO (006)	2.9	0.510886	Tennessee River	Rain Event
25-Dec-23	1:42 PM	Central Ave CSO (002)	10.4	8.102736	Chattanooga Creek	Rain Event