



**City of Chattanooga**  
Mayor Tim Kelly

Oct 29, 2021

VIA CERTIFIED MAIL

Mr. Richard Elliott  
Environmental Engineer  
Clean Water Enforcement Branch  
US EPA-Region 4  
61 Forsyth Street, SW  
Atlanta, GA 30303

**Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245***  
**Quarterly Report No. 33 – July 1, 2021 to September 30, 2021**

Dear Mr. Elliott:

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 thirty-third 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. Richard Elliott  
October 29, 2021  
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Please let me know if you have any questions regarding our submittal.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jeffrey A. Rose".

Jeffrey A. Rose, P.E.  
Director, Waste Resources Division

Enclosure

cc: Karl Fingerhood, Esq., US DOJ  
Chief, Environmental Enforcement Section, US DOJ  
Chief, Clean Water Enforcement Branch, US EPA Region 4  
Paul Schwartz, Esq., US EPA  
Sohnia Hong, Office of the Attorney General  
Enforcement Coordinator, Water Pollution Control, TDEC  
Brandi Prewitt, TN Clean Water Network  
Adam Sowatzka, Esq., King & Spalding  
Mike Marino, P.E., Jacobs Engineering



# Quarterly Report No. 33

**July 1, 2021 – September 30, 2021**

*Prepared for*

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

City of Chattanooga  
Waste Resources Division  
Consent Decree Program  
Case No. 1:12-cv-00245

*Prepared by*

**City of Chattanooga**  
Waste Resources Division

*Submitted by*

**Jacobs**

Jacobs Engineering Group Inc.  
Consent Decree Program Manager

Chattanooga, Tennessee

October 29, 2021



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# Acronyms and Abbreviations

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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

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## 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. 33 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

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For the reporting period of July 1, 2021 through September 30, 2021, 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 Report**

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
1	06-Jul-21	9:15 AM	5308 Delashmitt Rd	Service Line	UNK <sup>2</sup>	1.25	150	Storm Ditch	Blockage - Trash/Debris
2	07-Jul-21	5:00 PM	5308 Delashmitt Rd	Manhole	S099M085	5.50	8,250	Storm Ditch	Defect(s)
3	15-Jul-21	10:30 AM	3913 Webb Rd	Manhole	S129B004	3.87	650	Storm Ditch	Blockage - Grease
4	22-Jul-21	12:20 PM	4631 Hwy 58	Manhole	S129G048	1.17	210	Storm Ditch	Defect(s)
5	04-Aug-21	9:30 AM	1210 Mercer St	Main Line	UNK <sup>2</sup>	2.25	21,600	Stream	Blockage - Trash/Debris
6	05-Aug-21	8:00 AM	5242 Hwy 153	Main Line	UNK <sup>2</sup>	3.75	112	Storm Ditch	Wet Weather
7	06-Aug-21	8:30 AM	1210 Mercer St	Main Line	UNK <sup>2</sup>	173.50	52,050	Stream	Defect(s)
8 <sup>1</sup>	16-Aug-21	10:12 AM	6695 Hickory Brook Dr	Manhole	S138M082	48.20	74,875	Storm Drain	Wet Weather
9	16-Aug-21	4:00 PM	107 W 38th St	Manhole	S155N071	3.50	1,050	Storm Drain	Blockage - Grease
10	17-Aug-21	11:45 AM	1124 Forest Plaza Dr	Manhole	S109M039	1,513.25	147,750	Storm Drain	Blockage - Trash/Debris
11	17-Aug-21	12:50 PM	7606 Davidson Rd	Manhole	S170C021	22.17	2,950	Mackey Branch	Wet Weather
12	17-Aug-21	1:30 PM	Stratton Place Dr	Manhole	S158M009	21.50	2,580	Mackey Branch	Wet Weather
13	17-Aug-21	1:58 PM	2500 Robin Glen Dr	Manhole	S139P062	20.53	1,228	Storm Ditch	Wet Weather
14	17-Aug-21	2:00 PM	2109 Lynnbrook Ave	Manhole	S156G048	20.33	12,200	Dobbs Branch	Wet Weather
15	17-Aug-21	2:20 PM	7139 Robin Ln	Manhole	S139P005	20.17	1,180	Storm Drain	Wet Weather
16	17-Aug-21	2:30 PM	1024 Dartmouth Street	Manhole	S127P043	20.00	60,000	Storm Drain	Wet Weather
17	17-Aug-21	3:00 PM	3728 Wilcox Blvd	Manhole	S147B301	19.00	1,140	Storm Ditch	Wet Weather
18	31-Aug-21	8:31 AM	2109 Lynnbrook Ave	Manhole	S156G048	3.67	5,525	Dobbs Branch	Wet Weather
19	31-Aug-21	8:45 AM	2001 S Kelley St	Manhole	S156G030	3.50	5,920	Dobbs Branch	Wet Weather
20 <sup>1</sup>	31-Aug-21	8:48 AM	1900 E 25th St	Manhole	S156J057	23.70	43,740	Storm Drain	Wet Weather

**Table 2-1  
Quarterly SSO Report**

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
21	01-Sep-21	11:20 AM	3536 Valley trl	Manhole	S108K020	7.42	44,500	Mountain Creek	Blockage - Roots
22	19-Sep-21	2:00 PM	End of MLK BLVD (East Bank)	Manhole	S135O547	0.83	130,670	Tennessee River	Power Failure from Power Source
23	19-Sep-21	2:00 PM	122 Rowland Gap Rd (West Bank)	Manhole	S135O217	0.83	194,000	Tennessee River	Power Failure from Power Source
24	19-Sep-21	9:00 PM	End of MLK BLVD (East Bank)	Manhole	S135O217	4.33	221,639	Tennessee River	Wet Weather
25 <sup>1</sup>	19-Sep-21	11:52 PM	1820 E 23rd St	Manhole	S156G049	33.30	149,850	Dobbs Branch	Wet Weather
26	19-Sep-21	11:57 PM	2001 S Kelley St	Manhole	S156G030	33.30	49,950	Dobbs Branch	Wet Weather
27 <sup>1</sup>	20-Sep-21	12:00 AM	1900 E 25th St	Manhole	S156J057	33.33	150,000	Storm Drain	Wet Weather
28	20-Sep-21	12:11 AM	0 Aim Way	Manhole	S157H046	33.57	204,000	Storm Drain	Wet Weather
29	20-Sep-21	12:17 AM	3812 Provence	Manhole	S157H603	33.38	50,075	Storm Drain	Wet Weather
30	20-Sep-21	12:20 AM	701 Lupton Dr	Manhole	S118G116	32.67	28,000	Storm Ditch	Wet Weather
31 <sup>1</sup>	20-Sep-21	12:27 AM	25 S. Germantown Rd	Manhole	S157A056	33.00	297,000	Storm Drain	Wet Weather
32	20-Sep-21	12:32 AM	1022 Shallowford Rd	Manhole	S147G104	33.22	398,600	South Chickamauga Creek	Wet Weather
33	20-Sep-21	12:45 AM	3728 Wilcox Blvd	Manhole	S147B301	35.75	53,625	Storm Ditch	Wet Weather
34	20-Sep-21	12:45 AM	3857 Birmingham Dr	Manhole	S118D128	10.50	7,200	Tennessee River	Wet Weather
35	20-Sep-21	12:58 AM	5302 Old Mission Rd	Manhole	S157K058	33.20	102,400	Storm Drain	Wet Weather
36 <sup>1</sup>	20-Sep-21	1:00 AM	6695 Hickory Brook Dr	Manhole	S138M082	9.00	54,000	Storm Drain	Wet Weather
37	20-Sep-21	1:11 AM	914 Sterling Ave	Manhole	S136H107	36.82	148,900	Tennessee River	Wet Weather
38 <sup>1</sup>	20-Sep-21	1:20 AM	5010 Creekside Preserve	Other	UNK <sup>2</sup>	7.92	38,500	North Chickamauga Creek	Wet Weather
39	20-Sep-21	6:00 AM	1610 Elm St (DuPont PS)	Manhole	S118E057	30.00	45,000	Tennessee River	Wet Weather
40	20-Sep-21	10:00 AM	1096 Lupton Dr	Manhole	UNK <sup>2</sup>	70.00	1,050,000	Tennessee River	Wet Weather
41	20-Sep-21	3:10 PM	3649 Brainerd Rd	Manhole	S157A062	18.17	54,500	Storm Drain	Wet Weather
42	20-Sep-21	3:10 PM	3605 Monte Vista Dr	Manhole	S157H050	18.58	55,750	Storm Drain	Wet Weather
43	20-Sep-21	3:30 PM	2914 Hamill Rd	Manhole	S110F014	17.75	159,750	North Chickamauga Creek	Wet Weather

**Table 2-1  
Quarterly SSO Report**

SSO ID	Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
44 <sup>1</sup>	20-Sep-21	3:45 PM	4610 Kemp Drive	Manhole	S157C065	18.42	38,150	Storm Drain	Wet Weather
45	20-Sep-21	4:00 PM	3756 Wilcox Blvd	Manhole	S147B091	20.50	123,000	Storm Ditch	Wet Weather
46	20-Sep-21	5:15 PM	1400 S Watkins St	Manhole	S156C060	16.25	48,750	Storm Drain	Wet Weather
47	20-Sep-21	5:30 PM	1722 Strawberry Ln	Manhole	S110I450	15.83	47,250	Storm Drain	Wet Weather
48	20-Sep-21	5:30 PM	2013 S Kelley St	Manhole	S156G022	15.75	24,375	Dobbs Branch	Wet Weather
49	21-Sep-21	10:30 AM	Gann Store Rd	Manhole	S111P018	27.00	243,000	Storm Drain	Wet Weather
50	22-Sep-21	2:15 PM	5010 Creekside Preserve	Other	UNK <sup>2</sup>	UNK <sup>2</sup>	243,000	North Chickamauga Creek	Wet Weather
51	22-Sep-21	3:00 PM	1003 Dartmouth St.	Manhole	S127P060	UNK <sup>2</sup>	50	Storm Drain	Wet Weather
52 <sup>1</sup>	27-Sep-21	2:55 PM	1609 S Orchard Knob Ave	Other	UNK <sup>2</sup>	UNK <sup>2</sup>	25,000	Storm Drain	Wet Weather
53	28-Sep-21	10:00 AM	5300 Pinelawn Ave	Manhole	S157K071	UNK <sup>2</sup>	1,500	Storm Drain	Wet Weather

<sup>1</sup> Common cause, within 500 yards of separate event.

<sup>2</sup> This information was not available at time of reporting.

\* Did not reach waters of the United States

## 3.0 Moccasin Bend EC Bypasses

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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, 2021 through September 30, 2021.

## 4.0 CSO Outfall Discharges

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For the reporting period of July 1, 2021 through September 30, 2021, 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, eight (8) of which discharged during the reporting period.

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

July 1, 2021 – September 30, 2021						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
09-Jul-21	11:04 AM	Tremont CSO (005)	0.75	0.714277	Tennessee River	Rain Event
09-Jul-21	1:05 PM	ML King CSO (007)	0.75	0.002624	Tennessee River	Rain Event
11-Jul-21	8:08 PM	19th St CSO (008)	1.85	0.393702	Tennessee River	Rain Event
11-Jul-21	8:40 PM	Tremont CSO (005)	0.45	0.159884	Tennessee River	Rain Event
11-Jul-21	8:45 PM	ML King CSO (007)	2.6	0.235460	Tennessee River	Rain Event
11-Jul-21	8:45 PM	Carter St CSO (009)	2.58	2.283181	Tennessee River	Rain Event
11-Jul-21	9:20 PM	Citico CSO (004)	12.53	4.347795	Tennessee River	Rain Event
11-Jul-21	9:25 PM	Central Ave CSO (002)	27.29	5.126466	Chattanooga Creek	Rain Event
18-Jul-21	9:08 PM	Tremont CSO (005)	0.3	0.076426	Tennessee River	Rain Event
18-Jul-21	9:42 PM	ML King CSO (007)	1.13	0.045076	Tennessee River	Rain Event
20-Jul-21	1:20 AM	Tremont CSO (005)	0.55	0.111063	Tennessee River	Rain Event
20-Jul-21	1:36 AM	ML King CSO (007)	9.3	0.757172	Tennessee River	Rain Event
20-Jul-21	1:46 AM	19th St CSO (008)	0.63	0.154933	Tennessee River	Rain Event
20-Jul-21	2:12 AM	Central Ave CSO (002)	25.34	4.779506	Chattanooga Creek	Rain Event
20-Jul-21	3:00 AM	Carter St CSO (009)	3.77	2.223806	Tennessee River	Rain Event
20-Jul-21	3:34 AM	Citico CSO (004)	17.06	3.756344	Tennessee River	Rain Event
15-Aug-21	9:55 PM	Tremont CSO (005)	0.72	0.451016	Tennessee River	Rain Event
15-Aug-21	10:19 PM	ML King CSO (007)	11.37	1.066420	Tennessee River	Rain Event
15-Aug-21	10:25 PM	Ross's Landing CSO (006)	2.12	1.211834	Tennessee River	Rain Event
15-Aug-21	10:35 PM	Carter St CSO (009)	10.17	8.473662	Tennessee River	Rain Event
15-Aug-21	10:40 PM	Citico CSO (004)	61.8	14.196085	Tennessee River	Rain Event
15-Aug-21	11:11 PM	19th St CSO (008)	2.92	0.131155	Tennessee River	Rain Event
16-Aug-21	12:27 AM	Central Ave CSO (002)	56.79	18.449218	Chattanooga Creek	Rain Event
16-Aug-21	7:00 PM	19th St CSO (008)	0.87	0.159507	Tennessee River	Rain Event
17-Aug-21	9:10 AM	19th St CSO (008)	0.12	0.001392	Tennessee River	Rain Event

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

July 1, 2021 – September 30, 2021						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
17-Aug-21	9:27 AM	ML King CSO (007)	9.17	0.459420	Tennessee River	Rain Event
17-Aug-21	10:23 AM	Carter St CSO (009)	5.9	3.264163	Tennessee River	Rain Event
19-Aug-21	12:10 AM	Carter St CSO (009)	5.1	4.590250	Tennessee River	Rain Event
19-Aug-21	12:43 AM	Central Ave CSO (002)	101.18	13.804336	Chattanooga Creek	Rain Event
19-Aug-21	1:36 AM	19th St CSO (008)	0.43	0.067187	Tennessee River	Rain Event
22-Aug-21	7:06 PM	Tremont CSO (005)	0.37	0.045832	Tennessee River	Rain Event
22-Aug-21	7:17 PM	ML King CSO (007)	2.35	0.064742	Tennessee River	Rain Event
31-Aug-21	3:35 AM	ML King CSO (007)	20.28	2.100777	Tennessee River	Rain Event
31-Aug-21	3:47 AM	Carter St CSO (009)	17.09	14.020099	Tennessee River	Rain Event
31-Aug-21	5:53 AM	Central Ave CSO (002)	18.05	13.654951	Chattanooga Creek	Rain Event
31-Aug-21	7:28 AM	19th St CSO (008)	5.07	1.795887	Tennessee River	Rain Event
31-Aug-21	4:12 PM	Citico CSO (004)	7.8	3.516850	Tennessee River	Rain Event
01-Sep-21	12:00 AM	Central Ave CSO (002)	13.62	2.472372	Chattanooga Creek	Rain Event
01-Sep-21	12:00 AM	Citico CSO (004)	18.47	2.552322	Tennessee River	Rain Event
01-Sep-21	12:00 AM	ML King CSO (007)	4.58	0.019370	Tennessee River	Rain Event
06-Sep-21	1:52 PM	Central Ave CSO (002)	40.6	0.279162	Chattanooga Creek	Rain Event
18-Sep-21	3:30 PM	Tremont CSO (005)	0.83	0.919863	Tennessee River	Rain Event
18-Sep-21	3:56 PM	Ross's Landing CSO (006)	0.77	0.498404	Tennessee River	Rain Event
18-Sep-21	4:20 PM	Citico CSO (004)	89.93	44.373548	Tennessee River	Rain Event
18-Sep-21	4:31 PM	ML King CSO (007)	49.88	5.723435	Tennessee River	Rain Event
19-Sep-21	5:15 AM	19th St CSO (008)	11.5	2.816750	Tennessee River	Rain Event
19-Sep-21	5:41 AM	Tremont CSO (005)	24.05	5.043845	Tennessee River	Rain Event
19-Sep-21	5:45 AM	Central Ave CSO (002)	34.68	38.699053	Chattanooga Creek	Rain Event
19-Sep-21	8:58 AM	Carter St CSO (009)	13.43	11.362717	Tennessee River	Rain Event
19-Sep-21	12:19 PM	Ross's Landing CSO (006)	7.3	10.557012	Tennessee River	Rain Event

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

July 1, 2021 – September 30, 2021						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
20-Sep-21	12:46 PM	Carter St CSO (009)	7.12	5.015182	Tennessee River	Rain Event
20-Sep-21	3:01 PM	Ross's Landing CSO (006)	1.1	0.280154	Tennessee River	Rain Event
20-Sep-21	11:17 PM	Williams St CSO (003)	22.53	0.181369	Chattanooga Creek	Rain Event
21-Sep-21	4:32 AM	19th St CSO (008)	0.07	0.004361	Tennessee River	Rain Event
22-Sep-21	2:34 AM	Central Ave CSO (002)	27.79	7.822590	Chattanooga Creek	Rain Event
22-Sep-21	7:49 AM	19th St CSO (008)	1.95	0.622981	Tennessee River	Rain Event
22-Sep-21	7:55 AM	ML King CSO (007)	5.07	1.079709	Tennessee River	Rain Event
22-Sep-21	8:03 AM	Tremont CSO (005)	1.72	0.640587	Tennessee River	Rain Event
22-Sep-21	8:06 AM	Williams St CSO (003)	16.13	0.549960	Chattanooga Creek	Rain Event
22-Sep-21	8:13 AM	Carter St CSO (009)	4.02	3.814535	Tennessee River	Rain Event
22-Sep-21	8:23 AM	Ross's Landing CSO (006)	0.73	0.789260	Tennessee River	Rain Event