



City of Chattanooga

Mayor Andy Berke

July 30, 2018

VIA CERTIFIED MAIL

Ms. Sara Janovitz
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. 20 – April 2018 to June 2018**

Dear Ms. Janovitz:

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 twentieth 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.

Ms. Sara Janovitz
July 30, 2018
Page Two

Please let me know if you have any questions regarding our submittal.

Sincerely,



Jeffrey A. Rose, P.E.
Interim 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
Bill Bush, Esq., US EPA
Sohnia Hong, Office of the Attorney General
Enforcement Coordinator, Water Pollution Control, TDEC
Shelby Ward, TN Clean Water Network
Adam Sowatzka, Esq., King & Spalding
Mike Marino, P.E., Jacobs Engineering



Quarterly Report No. 20

April 1, 2018 – June 30, 2018

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

July 30, 2018

Contents

1.0	Introduction	1
1.1	Purpose	1
1.2	Requirements	1
2.0	SSO Events.....	3
3.0	Moccasin Bend WWTP Bypasses	9
4.0	CSO Outfall Discharges	11

Tables

2-1	Quarterly SSO Report	5
4-1	Quarterly CSO Outfall Discharge Report	13

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 Waste Water Treatment Plant
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.20 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 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 April 1, 2018 through June 30, 2018, 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	04-Apr-18	2:00 PM	1108 Hendricks St	Main Line	N/A	UNK ²	62,000	Citico Creek	Wet Weather
2	11-Apr-18	1:30 PM	601 Fisher Ave	Service Line	N/A	2.83	84	Land*	Blockage - Roots
3	15-Apr-18	10:45 AM	122 Rowland Gap Rd (West Bank)	Main Line	S135O217	20.25	6,381,000	Tennessee River	Wet Weather
4	15-Apr-18	11:44 AM	914 Sterling Ave	Manhole	S136H107	20.83	187,500	Tennessee River	Wet Weather
5	15-Apr-18	11:59 AM	1033 Lupton Dr	Manhole	S118K006	28.85	389,475	Tennessee River	Wet Weather
6 ¹	15-Apr-18	12:00 PM	E 23rd St & S Hawthorne St	Manhole	S156G052	17.00	40,200	Dobbs Branch	Wet Weather
7	15-Apr-18	12:15 PM	1900 E 25th St Place	Manhole	S156J051	16.75	5,025	Storm Drain	Wet Weather
8	15-Apr-18	12:18 PM	1100 Lupton Dr	Manhole	S118L002	20.70	124,200	Land*	Wet Weather
9 ¹	15-Apr-18	12:30 PM	2001 S Kelly St	Manhole	S156G030	16.50	74,250	Dobbs Branch	Wet Weather
10	15-Apr-18	5:45 PM	929 Riverside Dr (Citico PS)	Manhole	S136P605	2.75	4,125	Tennessee River	Wet Weather
11	16-Apr-18	2:45 PM	1001 Airport Rd	Manhole	S157E016	UNK ²	8,500	South Chickamauga Creek	Wet Weather
12	22-Apr-18	5:40 PM	122 Rowland Gap Rd (West Bank)	Main Line	S135O217	75.25	61,261,000	Tennessee River	Wet Weather
13	23-Apr-18	1:00 AM	End of MLK BLVD (East Bank)	Manhole	S135O547	33.25	2,778,000	Tennessee River	Wet Weather
14 ¹	23-Apr-18	2:32 AM	1610 Elm St (DuPont PS)	Pump Station	S118E057	12.55	26,290	Tennessee River	Pump Station - Mechanical Failure
15 ¹	23-Apr-18	6:30 AM	601 Lupton Dr	Manhole	S118G055	28.28	396,810	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
16	23-Apr-18	6:35 AM	929 Riverside Dr (Citico PS)	Pump Station	S136P605	8.98	134,750	Tennessee River	Wet Weather
17	23-Apr-18	7:00 AM	1033 Lupton Dr	Manhole	S118K036	74.08	1,111,250	Tennessee River	Wet Weather
18 ¹	23-Apr-18	7:15 AM	Terrace Ave & Young Ave	Manhole	S136A130	78.55	898,350	Storm Drain	Wet Weather
19 ¹	23-Apr-18	9:00 AM	1820 E 23rd St	Manhole	S156G049	29.00	93,900	Dobbs Branch	Wet Weather
20	23-Apr-18	9:00 AM	1511 Riverview Rd (Chattanooga Golf and Country Club)	Manhole	S136B014	48.50	116,400	Tennessee River	Wet Weather
21 ¹	23-Apr-18	9:00 AM	3910 Juandale Trl	Manhole	S137N040	74.33	783,000	South Chickamauga Creek	Wet Weather
22 ¹	23-Apr-18	9:05 AM	2914 Hamill Rd	Manhole	S110F014	53.42	182,095	North Chickamauga Creek	Wet Weather
23	23-Apr-18	9:22 AM	1022 Shallowford Rd	Manhole	S147G104	28.63	42,950	South Chickamauga Creek	Wet Weather
24	23-Apr-18	9:30 AM	1096 Lupton Dr (Rivermont Park)	Manhole	S118N009	47.00	28,200	Tennessee River	Wet Weather
25	23-Apr-18	10:00 AM	1900 E 25th St Place	Manhole	S156J051	28.00	8,400	Storm Drain	Wet Weather
26 ¹	23-Apr-18	10:00 AM	2001 S Kelley St	Manhole	S156G030	28.00	29,700	Dobbs Branch	Wet Weather
27 ¹	23-Apr-18	10:04 AM	3857 Birmingham Dr	Manhole	S118D128	46.43	143,650	Tennessee River	Wet Weather
28	23-Apr-18	10:30 AM	0 Aim Way	Manhole	S157H046	28.00	84,000	Storm Drain	Wet Weather
29 ¹	23-Apr-18	11:00 AM	406 Brown Rd	Manhole	S158I059	71.00	319,500	South Chickamauga Creek	Wet Weather
30	23-Apr-18	7:20 PM	1610 Elm St (DuPont PS)	Manhole	S118E055	20.33	6,100	Tennessee River	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
31	23-Apr-18	8:40 PM	929 Riverside Dr (Citico PS)	Manhole	S136P605	14.67	88,000	Tennessee River	Wet Weather
32	23-Apr-18	11:57 PM	4500 Gann Store Rd (Big Ridge #2)	Manhole	S111P016	0.35	1,050	Tennessee River	Wet Weather
33	24-Apr-18	8:30 AM	3816 Fagan St (Pump Station)	Manhole	S167D046	21.75	19,575	Chattanooga Creek	Wet Weather
34 ¹	24-Apr-18	9:30 AM	6695 Hickory Brook Dr	Manhole	S138M082	4.17	8,450	Storm Drain	Wet Weather
35	24-Apr-18	9:36 AM	5466 Longview Dr	Manhole	S100K027	29.10	61,110	North Chickamauga Creek	Wet Weather
36	24-Apr-18	10:00 AM	Wilcox Blvd & Shallowford Rd	Manhole	S147F015	3.83	8,050	South Chickamauga Creek	Wet Weather
37	24-Apr-18	10:24 AM	5300 Old Mission Rd	Manhole	S157K056	50.10	148,500	South Chickamauga Creek	Wet Weather
38	24-Apr-18	10:45 AM	4610 Kemp Dr	Manhole	S157C065	23.25	48,825	Storm Drain	Wet Weather
39	27-Apr-18	4:28 PM	122 Rowland Gap Rd (West Bank)	West Bank	S135O217	0.13	18,500	Tennessee River	Power Failure from Power Source
40	22-May-18	9:30 PM	430 E 2nd St	Manhole	S135M243	1.00	63	Storm Drain	Blockage - Gravel
41	30-May-18	12:50 AM	122 Rowland Gap Rd (West Bank)	Main Line	S135O217	4.58	1,054,000	Tennessee River	Wet Weather
42	14-Jun-18	2:25 PM	3837 Mark Twain Cr	Manhole	S137N052	2.08	1,500	Land*	Blockage - Trash/Debris
43	18-Jun-18	10:50 AM	1321 Highcrest Dr	Service Line	N/A	0.00	3	Structure*	Construction/ Maintenance Related
44	22-Jun-18	9:05 AM	1506 Workman Rd	Main Line	N/A	2.08	250	Storm Drain	Break

**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
45 ¹	28-Jun-18	1:21 PM	1820 E 23rd St	Manhole	S156G049	15.65	1,450	Dobbs Branch	Wet Weather
46 ¹	28-Jun-18	1:40 PM	2001 S Kelley St	Manhole	S156G030	15.33	1,350	Dobbs Branch	Wet Weather
47	28-Jun-18	1:43 PM	122 Rowland Gap Rd (West Bank)	Manhole	S135O217	9.95	2,900,000	Tennessee River	Wet Weather
48	28-Jun-18	2:24 PM	1033 Lupton Dr	Manhole	S118K006	18.37	2,500	Tennessee River	Wet Weather
49	28-Jun-18	2:42 PM	914 Sterling Ave	Manhole	S136H107	17.93	1,000	Tennessee River	Wet Weather
50 ¹	28-Jun-18	2:50 PM	1900 E 25th Street Place	Manhole	S156J057	14.17	225	Storm Drain	Wet Weather

¹ Common Cause, within 500 yards of separate event

² This information was not available at time of reporting.

* Did not reach waters of the United States.

3.0 Moccasin Bend WWTP 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 April 1, 2018 through June 30, 2018.

4.0 CSO Outfall Discharges

For the reporting period of April 1, 2018 through June 30, 2018 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**

April 1, 2018 – June 30, 2018						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
7-Apr-18	3:51 AM	ML King CSO (007)	0.15	0.000589	Tennessee River	Rain Event
7-Apr-18	12:54 AM	Carter St. CSO (009)	0.25	0.000721	Tennessee River	Rain Event
14-Apr thru 15-Apr	8:08 PM	ML King CSO (007)	17.10	1.760575	Tennessee River	Rain Event
14-Apr thru 15-Apr	8:12 PM	Carter St. CSO (009)	12.80	3.948347	Tennessee River	Rain Event
15-Apr thru 17-Apr	12:07 AM	Central Ave. CSO (002)	56.40	11.788266	Tennessee River	Rain Event
15-Apr-18	10:37 AM	Citico CSO (004)	12.00	1.874132	Tennessee River	Rain Event
22-Apr thru 23-Apr	4:05 PM	Central Ave. CSO (002)	17.10	20.470052	Tennessee River	Rain Event
22-Apr thru 25-Apr	11:37 PM	Citico CSO (004)	52.26	21.139367	Tennessee River	Rain Event
22-Apr thru 25-Apr	2:51 PM	ML King CSO (007)	43.28	6.447705	Tennessee River	Rain Event
22-Apr thru 25-Apr	2:58 PM	Carter St. CSO (009)	65.52	27.196822	Tennessee River	Rain Event
23-Apr thru 25-Apr	1:57 AM	William's St. CSO (003)	69.07	74.779599	Tennessee River	Rain Event
23-Apr thru 24-Apr	12:37 AM	Tremont CSO (005)	24.35	4.678161	Tennessee River	Rain Event
23-Apr-18	12:16 AM	Ross's Landing CSO (006)	23.73	13.192141	Tennessee River	Rain Event
26-Apr thru 28-Apr	3:15 AM	Central Ave. CSO (002)	65.70	5.070338	Tennessee River	Rain Event
30-Apr-18	9:12 AM	Central Ave. CSO (002)	3.90	0.026226	Tennessee River	Rain Event
10-May thru 11-May	6:22 PM	Central Ave. CSO (002)	21.96	1.190928	Tennessee River	Rain Event
10-May-18	4:38 PM	ML King CSO (007)	1.30	0.407553	Tennessee River	Rain Event
10-May-18	4:44 PM	Carter St. CSO (009)	2.05	1.484623	Tennessee River	Rain Event
16-May-18	5:11 PM	ML King CSO (007)	2.33	0.067303	Tennessee River	Rain Event
28-May thru 30-May	3:09 PM	Central Ave. CSO (002)	49.08	11.669304	Tennessee River	Rain Event

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

April 1, 2018 – June 30, 2018						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
28-May thru 29-May	1:10 PM	ML King CSO (007)	10.78	1.211933	Tennessee River	Rain Event
28-May-18	2:27 PM	Carter St. CSO (009)	2.65	1.647304	Tennessee River	Rain Event
29-May thru 30-May	8:39 PM	William's St. CSO (003)	23.28	1.090000	Tennessee River	Rain Event
29-May-18	9:06 PM	Tremont CSO (005)	0.68	0.346723	Tennessee River	Rain Event
29-May-18	11:05 PM	Ross's Landing CSO (006)	0.88	2.073311	Tennessee River	Rain Event
29-May thru 31-May	10:55 PM	ML King CSO (007)	14.40	1.194822	Tennessee River	Rain Event
29-May thru 30-May	11:23 PM	19th St. CSO (008)	1.62	1.123442	Tennessee River	Rain Event
29-May thru 30-May	9:05 PM	Carter St. CSO (009)	6.17	6.532135	Tennessee River	Rain Event
1-June thru 4-June	1:36 AM	Central Ave. CSO (002)	22.83	0.018019	Tennessee River	Rain Event
11-Jun-18	3:00 PM	Carter St. CSO (009)	1.70	1.312210	Tennessee River	Rain Event
13-June thru 15-June	1:44 AM	Central Ave. CSO (002)	37.83	1.438313	Tennessee River	Rain Event
13-June thru 14-June	1:30 AM	ML King CSO (007)	6.52	0.215912	Tennessee River	Rain Event
16-Jun-18	8:59 AM	Central Ave. CSO (002)	2.17	0.000698	Tennessee River	Rain Event
17-June thru 18-June	9:28 AM	Central Ave. CSO (002)	15.33	0.754592	Tennessee River	Rain Event
17-Jun-18	4:14 PM	19th St. CSO (008)	0.67	0.059649	Tennessee River	Rain Event
18-Jun-18	10:13 AM	ML King CSO (007)	0.17	0.000368	Tennessee River	Rain Event
19-Jun-18	9:25 AM	Central Ave. CSO (002)	0.08	0.000183	Tennessee River	Rain Event
23-Jun-18	2:19 PM	19th St. CSO (008)	0.12	0.012313	Tennessee River	Rain Event
24-Jun-18	1:58 AM	ML King CSO (007)	1.50	0.001676	Tennessee River	Rain Event
25-June thru 30-June	4:40 PM	Central Ave. CSO (002)	118.72	27.887981	Tennessee River	Rain Event

Table 4-1
Quarterly CSO Outfall Discharge Report

April 1, 2018 – June 30, 2018						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
25-Jun-18	3:45 PM	19th St. CSO (008)	0.12	0.125470	Tennessee River	Rain Event
26-June thru 30-June	4:34 AM	ML King CSO (007)	25.15	2.668414	Tennessee River	Rain Event
27-Jun-18	10:02 PM	Citico CSO (004)	0.35	0.005274	Tennessee River	Rain Event
27-Jun-18	8:25 PM	19th St. CSO (008)	1.57	0.414144	Tennessee River	Rain Event
27-Jun-18	9:43 PM	Carter St. CSO (009)	1.77	1.078167	Tennessee River	Rain Event
28-Jun-18	1:43 PM	Citico CSO (004)	3.65	1.292630	Tennessee River	Rain Event
28-Jun-18	11:46 AM	Tremont CSO (005)	0.80	1.016346	Tennessee River	Rain Event
28-Jun-18	12:11 PM	Ross's Landing CSO (006)	1.17	2.673294	Tennessee River	Rain Event
28-Jun-18	11:58 AM	19th St. CSO (008)	1.72	0.752910	Tennessee River	Rain Event