



City of Chattanooga

Mayor Andy Berke

January 29, 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. 18 – October 2017 to December 2017**

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 seventeenth 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
January 29, 2018
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Please let me know if you have any questions regarding our submittal.

Sincerely,

A handwritten signature in blue ink that reads "Michael C. Patrick". The signature is written in a cursive style.

Michael C. Patrick, 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
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. 18

October 1, 2017 – December 31, 2017

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

January 29, 2018

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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 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.18 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 October 1, 2017 through December 31, 2017, 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	03-Oct-17	9:14 AM	7504 Lee Hwy	Manhole	S139J453	2.02	100	Storm Drain	Blockage - Roots
2	04-Oct-17	2:00 PM	1604 Berkley Cr	Main Line	N/A	1.75	23	Land*	Break
3 ¹	08-Oct-17	12:00 PM	6722 Hickory Creek Drive	Manhole	S138M019	22.00	47,600	Storm Drain	Wet Weather
4	08-Oct-17	12:00 PM	102 Stephens Rd	Main Line	N/A	2.50	1,200	Land*	Blockage - Gravel
5	08-Oct-17	2:30 PM	7600 Davidson Rd	Manhole	S170D001	20.25	40,095	Mackey Branch	Wet Weather
6	08-Oct-17	5:45 PM	122 Rowland Gap Rd (West Bank)	Manhole	S135O217	12.00	6,272,000	Tennessee River	Wet Weather
7	08-Oct-17	8:58 PM	1 Frawley Rd	Manhole	unassigned	6.03	99,000	South Chickamauga Creek	Wet Weather
8	08-Oct-17	9:14 PM	1610 Elm St (DuPont PS)	Manhole	S118E057	2.52	7,500	Tennessee River	Wet Weather
9	09-Oct-17	9:05 AM	5116 Delashmitt Rd	Manhole	S099M073	2.42	1,105	Storm Drain	Blockage - Gravel
10	12-Oct-17	9:20 AM	4450 Lilac Ln	Service Line	N/A	0.58	58	Land*	Blockage - Roots
11	12-Oct-17	11:00 AM	381 Moccasin Bend Rd	Force Main	N/A	103.50	2,200	Land*	Break
12	14-Oct-17	3:00 AM	3238 Waterfront Drive (Tiftonia#1 PS)	Manhole	S144D043	0.17	2,000	Tennessee River	Break
13	17-Oct-17	1:20 PM	1108 Richard Ave	Manhole	S147A045	0.17	54	Land*	Blockage - Roots

**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
14	19-Oct-17	1:32 PM	406 Brown Rd	Manhole	S158O005	0.47	500	South Chickamauga Creek	Construction/Maintenance Related
15	25-Oct-17	3:45 PM	6571 Big Ridge Rd (Big Ridge #6)	Manhole	S111B028	0.08	150	Land*	Construction/Maintenance Related
16	01-Nov-17	4:30 PM	1308 W 53rd St	Service Line	N/A	2.25	1,050	Land*	Construction/Maintenance Related
17	07-Nov-17	12:40 PM	1308 W 53rd St	Other	N/A	0.42	15	Structure*	Construction/Maintenance Related
18	21-Nov-17	10:30 AM	900 Wauhatchie Pike	Other	N/A	0.50	250	Storm Drain	Blockage - General
19	10-Dec-17	12:30 PM	902 Old Lower Mill Rd	Manhole	S091J003	4.00	75	Storm Drain	Blockage - Grease
20	13-Dec-17	2:45 PM	4705 Ranger Ln	Service Line	N/A	0.92	73	Storm Drain	Blockage - Grease
21	15-Dec-17	12:15 PM	4790 Gann Store Rd (Big Ridge #1)	Force Main	N/A	0.08	75	Land*	Construction/Maintenance Related
22	20-Dec-17	9:15 AM	1 Frawley Rd	Manhole	Unassigned	0.42	5,000	South Chickamauga Creek	Wet Weather
23	20-Dec-17	9:40 AM	929 Riverside Dr (Citico PS)	Main Line	N/A	1.67	1,000	Tennessee River	Wet Weather
24	20-Dec-17	9:55 AM	1033 Lupton Dr	Manhole	S118K036	7.32	13,609	Tennessee River	Wet Weather
25	20-Dec-17	10:10 AM	914 Sterling Ave	Manhole	S136H107	3.83	18,700	Tennessee River	Wet Weather
26	20-Dec-17	10:15 AM	2109 Lynnbrook Ave	Manhole	S156G048	4.25	20,340	Dobbs Branch	Wet Weather
27	20-Dec-17	10:19 AM	7600 Davidson Rd	Manhole	S170D001	27.10	6,504	Mackey Branch	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
28	20-Dec-17	10:25 AM	122 Rowland Gap Rd (West Bank)	Manhole	S135O217	4.75	1,175,000	Tennessee River	Wet Weather
29	20-Dec-17	10:51 AM	1311 Stratton Place	Main Line	S158M009	26.77	4,818	Mackey Branch	Wet Weather
30	20-Dec-17	10:56 AM	2001 S Kelley St	Manhole	S156G030	2.65	7,995	Dobbs Branch	Wet Weather
31 ¹	20-Dec-17	5:30 PM	3810 Kellys Ferry Rd	Main Line	N/A	2.75	5,610	Structure*	Blockage - Trash/Debris
32	20-Dec-17	8:40 PM	929 Riverside Dr (Citico PS)	Main Line	N/A	0.57	340	Tennessee River	Wet Weather
33	21-Dec-17	9:00 AM	4312 Grand Ave	Service Line	UNK ²	0.67	280	Land*	Blockage - Grease

¹ Common Cause, within 500 yards of separate event

* 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 October 1, 2017 through December 31, 2017.

4.0 CSO Outfall Discharges

For the reporting period of October 1, 2017 through December 31, 2017 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**

October 1, 2017 – December 31, 2017						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
8-Oct thru 9-Oct	8:36 AM	19th St. CSO (008)	7.47	1.700113	Tennessee River	Rain Event
8-Oct-17	8:38 AM	Carter St. CSO (009)	20.93	5.685434	Tennessee River	Rain Event
8-Oct thru 9-Oct	9:16 AM	Citico CSO (004)	22.72	25.048353	Tennessee River	Rain Event
8-Oct-17	9:19 AM	ML King CSO (007)	12.55	2.884495	Tennessee River	Rain Event
8-Oct thru 10-Oct	9:55 AM	Central Ave. CSO (002)	52.02	24.197814	Tennessee River	Rain Event
8-Oct-17	4:36 PM	Tremont CSO (005)	2.12	0.637068	Tennessee River	Rain Event
8-Oct-17	4:46 PM	Ross's Landing CSO (006)	3.18	5.605673	Tennessee River	Rain Event
8-Oct-17	5:37 PM	William's St. CSO (003)	2.67	2.749163	Tennessee River	Rain Event
15-Oct-17	8:06 PM	Tremont CSO (005)	0.22	0.037888	Tennessee River	Rain Event
23-Oct-17	8:31 AM	Tremont CSO (005)	0.63	0.151425	Tennessee River	Rain Event
23-Oct-17	8:44 AM	ML King CSO (007)	1.43	0.158500	Tennessee River	Rain Event
23-Oct-17	9:52 AM	Central Ave. CSO (002)	13.40	1.809777	Tennessee River	Rain Event
23-Oct-17	8:45 AM	Carter St. CSO (009)	2.43	1.617957	Tennessee River	Rain Event
28-Oct thru 29-Oct	10:17 AM	Central Ave. CSO (002)	17.65	3.300222	Tennessee River	Rain Event
28-Oct-17	12:39 PM	Carter St. CSO (009)	0.92	0.132156	Tennessee River	Rain Event
28-Oct-17	4:25 PM	19th St. CSO (008)	0.10	0.004697	Tennessee River	Rain Event
7-Nov-17	10:58 AM	Carter St. CSO (009)	2.40	1.223666	Tennessee River	Rain Event
7-Nov-17	11:52 AM	ML King CSO (007)	0.08	0.000381	Tennessee River	Rain Event
7-Nov thru 8-Nov	2:37 PM	Central Ave. CSO (002)	20.23	0.849409	Tennessee River	Rain Event
7-Nov-17	6:11 PM	19th St. CSO (008)	0.05	0.002613	Tennessee River	Rain Event

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

October 1, 2017 – December 31, 2017						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
5-Dec thru 6-Dec	8:28 PM	Central Ave. CSO (002)	4.68	0.021017	Tennessee River	Rain Event
5-Dec thru 6-Dec	3:15 PM	19th St. CSO (008)	0.50	0.019873	Tennessee River	Rain Event
5-Dec-17	3:19 PM	Carter St. CSO (009)	2.65	0.442537	Tennessee River	Rain Event
20-Dec thru 23-Dec	6:33 AM	Central Ave. CSO (002)	83.50	8.436958	Tennessee River	Rain Event
20-Dec-17	5:19 AM	19th St. CSO (008)	4.05	0.409707	Tennessee River	Rain Event
23-Dec-17	3:01 PM	19th St. CSO (008)	0.07	0.006393	Tennessee River	Rain Event