



# City of Chattanooga

Mayor Andy Berke

July 27, 2016

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. 12 – April, 2016 to June, 2016**

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

Sincerely,



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. 12

**April 1, 2016 – June 30, 2016**

*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 27, 2016

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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 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

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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.12 to satisfy the reporting requirements of 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 (“WWTP”) 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 April 1, 2016 through June 30, 2016, 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
<u>1891</u>	01-Apr-16	1:55 PM	1033 Lupton Dr	Manhole	S118K035	6.50	1,750	Tennessee River	Wet Weather
<u>1893</u>	04-Apr-16	1:20 PM	4101 Quinn Adams St	Manhole	S167D004	2.12	748	Chattanooga Creek	Blockage - Trash/Debris
<u>1892</u>	04-Apr-16	4:00 PM	4339 Benton Dr	Manhole	S128L022	3.50	630	Ditch*	Defect(s)
<u>1897</u> <sup>3</sup>	06-Apr-16	8:12 PM	1 Frawley Rd	Manhole	S158O001	17.45	75,150	South Chickamauga Creek	Construction/Maintenance Related
<u>1899</u>	06-Apr-16	8:12 PM	1207 Radmoor Ln	Manhole	S158K090	17.45	12,525	South Chickamauga Creek	Construction/Maintenance Related
<u>1894</u> <sup>3</sup>	06-Apr-16	8:12 PM	1005 Audubon trail (East Brainerd PS)	Manhole	S170C001	17.45	37,575	Mackey Branch	Construction/Maintenance Related
<u>1900</u>	07-Apr-16	5:19 PM	1 Frawley Rd	Manhole	unassigned	1.25	1,875	South Chickamauga Creek	Construction/Maintenance Related
<u>1902</u>	13-Apr-16	1:05 PM	418 Cumberland St	Manhole	S146B650	2.50	800	Storm Drain	Blockage - Grease
<u>1903</u>	20-Apr-16	4:24 PM	108 Coville St	Main Line	N/A	20.85	2,244	Land*	Break
<u>1905</u>	29-Apr-16	9:00 AM	3817 Grace Ave	Manhole	S128H013	1.47	3,200	Storm Drain	Blockage - Trash/Debris
<u>1904</u>	04-May-16	10:37 AM	3112 Ozark Rd	Manhole	S118J152	25.38	328	Land*	Blockage - Trash/Debris
<u>1906</u>	16-May-16	6:30 PM	3861 Youngstown Rd	Manhole	S128K009	16.50	898	Storm Drain	Blockage - General
<u>1907</u>	01-Jun-16	3:17 PM	W 40th St	Main Line	UNK <sup>2</sup>	26.22	2,800	Storm Drain	Break
<u>1908</u>	03-Jun-16	2:15 PM	3038 Merrydale Dr	Manhole	S147H078	0.92	200	Land*	Blockage - Grease
<u>1909</u>	09-Jun-16	5:00 PM	960 Airport Rd	Manhole	S148I001	1.28	3,200	Storm Drain	Blockage - Grease
<u>1910</u>	15-Jun-16	3:30 PM	1000 Boy Scout Rd	Main Line	UNK <sup>2</sup>	2.50	50	Land*	Construction/Maintenance Related
<u>1911</u>	21-Jun-16	9:41 AM	2998 Preston Station Dr	Pump Station	N/A	3.82	800	UNK	Construction/Maintenance Related

<sup>1</sup> Manholes are not numbered.

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

<sup>3</sup> Common cause, within 500 yards of separate event.

\* Did not reach waters of the United States.



## 3.0 Moccasin Bend WWTP 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 April 1, 2016 through June 30, 2016.

## 4.0 CSO Outfall Discharges

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For the reporting period of April 1, 2016 through June 30, 2016 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 overflows from the CSS during the reporting period.

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

April 1, 2016 – June 30, 2016						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
1-Apr-16	12:00 AM	19th St. CSO (008)	1.32	0.167325	Tennessee River	Rain Event
1-Apr-16	12:00 AM	Tremont CSO (005)	1.23	0.408959	Tennessee River	Rain Event
1-Apr-16	12:17 AM	ML King CSO (007)	4.00	0.903034	Tennessee River	Rain Event
1-Apr-16	3:36 PM	19th St. CSO (008)	0.08	0.002073	Tennessee River	Rain Event
7-Apr-16	5:58 AM	19th St. CSO (008)	0.15	0.005554	Tennessee River	Rain Event
12-May-16	3:33 PM	ML King CSO (007)	0.67	0.096811	Tennessee River	Rain Event
12-May-16	3:50 PM	Carter St. CSO (009)	2.53	1.940217	Tennessee River	Rain Event
12-May-16	3:53 PM	Ross's Landing CSO (006)	1.02	1.314433	Tennessee River	Rain Event
12-May-16	4:02 PM	Citico CSO (004)	1.53	0.634031	Tennessee River	Rain Event
12-May-16	5:07 PM	Central Ave. CSO (002)	2.80	1.886181	Tennessee River	Rain Event
4-Jun-16	4:10 PM	Tremont CSO (005)	0.35	0.117570	Tennessee River	Rain Event
4-Jun-16	4:32 PM	ML King CSO (007)	0.53	0.106598	Tennessee River	Rain Event