



City of Chattanooga

Mayor Andy Berke

October 29, 2014

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 #5 – July, 2014 to September, 2014**

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 fifth 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
October 29, 2014
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Please let me know if you have any questions regarding our submittal.

Sincerely,



Alice L. Cannella, 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
Phillip Hilliard, Office of the Attorney General
Enforcement Coordinator, Water Pollution Control, TDEC
Stephanie Durman Matheny, Esq., TCWN
Donald L. Norris, Administrator, Public Works
Mike Marino, P.E., Jacobs
Adam Sowatzka, Esq., King & Spalding



Quarterly Report No. 5

July 1 – September 30, 2014

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, 2014

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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
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
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. 5 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

For the reporting period of July 1, 2014 through September 30, 2014, 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

July 1, 2014 – September 30, 2014								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
28-Jul-14	12:10 PM	6576 E Brainerd Rd	Manhole	S158G015	1.17	1,500	Land*	Blockage - General
29-Jul-14	1:20 PM	2150 Elder St	Manhole	S156K035	2	75	Land*	Blockage - General
14-Aug-14	12:30 PM	4600 Shallowford Rd	Manhole	S137M021	27.92	13,680,000	South Chickamauga Creek	Pump Station - Mechanical Failure
14-Aug-14	12:30 PM	4600 Shallowford Rd	Manhole	S137M022	27.92	1,500	South Chickamauga Creek	Pump Station - Mechanical Failure
25-Aug-14	12:00 PM	4425 Hancock Rd	Manhole	S129G106	4	80,000	Friars Branch	Blockage - Roots
28-Aug-14	9:20 AM	316 Tucker St	Manhole	S135E050	0.58	250	Land*	Blockage - Roots
4-Sep-14	5:52 PM	2757 Folts Dr	Service Line	N/A	16.63	8,000	Land*	Blockage - Roots
5-Sep-14	10:45 AM	2506 Jenkins Rd	Main Line	N/A	1.75	2,500	Structure*	Blockage - Gravel
18-Sep-14	11:20 AM	316 Tucker St	Manhole	S135E050	1.33	2,000	Land*	Blockage - Roots
19-Sep-14	8:28 PM	929 Riverside Drive (Citico PS #2)	Manhole	S136P605	0.35	430,000	Tennessee River	Pump Station - Electrical Failure

* 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 July 1, 2014 through September 30, 2014.

4.0 CSO Outfall Discharges

For the reporting period of July 1, 2014 through September 30, 2014 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 stormwater runoff through a single-pipe system to Chattanooga’s WWTP or CSO outfalls. Chattanooga operates eight (8) permitted CSO outfall facilities, six (6) of which discharged overflows from the CSS during the reporting period.

Table 4-1
Quarterly CSO Outfall Discharge Report

July 1, 2014 – September 30, 2014						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
19-Jul-14	1:54 AM	Carter St CSO (009)	2.72	0.8041	Tennessee River	Rain Event
19-Jul-14	1:54 AM	Tremont CSO (005)	1.45	0.3804	Tennessee River	Rain Event
19-Jul-14	2:02 AM	19th St CSO (008)	2.98	1.5100	Tennessee River	Rain Event
19-Jul-14	2:53 AM	ML King CSO (007)	1.75	0.2557	Tennessee River	Rain Event
19-Jul-14	2:58 AM	Ross's Landing CSO (006)	1.38	0.8191	Tennessee River	Rain Event
27-Jul-14	8:15 PM	Tremont CSO (005)	3.08	0.4941	Tennessee River	Rain Event
02-Aug-14	2:49 PM	Tremont CSO (005)	0.38	0.0741	Tennessee River	Rain Event
11-Aug-14	6:25 PM	19th St CSO (008)	0.85	0.0715	Tennessee River	Rain Event
11-Aug-14	6:53 PM	ML King CSO (007)	0.58	0.0864	Tennessee River	Rain Event
17-Aug-14	4:45 PM	ML King CSO (007)	0.39	0.2776	Tennessee River	Rain Event
18-Aug-14	7:12 AM	Carter St CSO (009)	2.57	0.6793	Tennessee River	Rain Event
18-Aug-14	7:17 AM	ML King CSO (007)	2.92	0.3867	Tennessee River	Rain Event
18-Aug-14	9:58 AM	Central CSO (002)	1.47	1.0487	Tennessee River	Rain Event
05-Sep-14	4:21 PM	Ross's Landing CSO (006)	0.5	0.1733	Tennessee River	Rain Event
05-Sep-14	4:54 PM	Carter St CSO (009)	1.58	0.1914	Tennessee River	Rain Event
07-Sep-14	3:46 AM	19th St CSO (008)	0.22	0.0955	Tennessee River	Rain Event
07-Sep-14	6:17 PM	19th St CSO (008)	0.85	0.0590	Tennessee River	Rain Event
08-Sep-14	1:58 PM	19th St CSO (008)	0.17	0.0115	Tennessee River	Rain Event
12-Sep-14	4:46 PM	Tremont CSO (005)	0.2	0.0532	Tennessee River	Rain Event
15-Sep-14	9:43 PM	19th St CSO (008)	0.87	0.1527	Tennessee River	Rain Event

Table 4-1
 Quarterly CSO Outfall Discharge Report

July 1, 2014 – September 30, 2014						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
15-Sep-14	10:00 PM	Tremont CSO (005)	0.2	0.0284	Tennessee River	Rain Event
15-Sep-14	10:15 PM	ML King CSO (007)	0.4	0.0631	Tennessee River	Rain Event
15-Sep-14	11:03 PM	Carter St CSO (009)	0.47	0.0404	Tennessee River	Rain Event
16-Sep-14	6:14 AM	19th St CSO (008)	0.25	0.0318	Tennessee River	Rain Event