



City of Chattanooga

Mayor Andy Berke

April 23, 2015

VIA CERTIFIED MAIL

Ms. Sara Schiff 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. 7 – January 2015 to March 2015**

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 seventh 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.

April 23, 2015
Ms. Sara Schiff Janovitz
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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
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
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Quarterly Report No. 7

January 1 – March 31, 2015

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

April 23, 2015

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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. 7 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 January 1, 2015 through March 31, 2015, 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**

January 1, 2015 – March 31, 2015								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
4-Jan-15	1:38 AM	122 Rowland Gap Rd	Main Line	N/A	20.95	6,784,000	Tennessee River	Wet Weather
4-Jan-15	9:13 AM	Bainbridge Rd & Birmingham Dr	Manhole	S118E077	4.78	7,500	Tennessee River	Wet Weather
4-Jan-15	11:05 AM	4665 Adams Rd	Manhole	S118G020	11.92	72,500	North Chickamauga Creek	Pump Station - Capacity
4-Jan-15	11:10 AM	1590 Marsh Ln	Manhole	S100O066	11.83	36,500	North Chickamauga Creek	Pump Station - Capacity
4-Jan-15	11:15 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	11.00	3,300	Wolftever Creek	Pump Station - Capacity
4-Jan-15	11:15 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	5.00	33,000	Wolftever Creek	Pump Station - Capacity
4-Jan-15	11:25 AM	1610 Elm St	Manhole	S118E057	11.58	18,000	Tennessee River	Pump Station - Capacity
5-Jan-15	9:30 AM	2843 Water Haven Dr	Manhole	S128G063	UNK ²	3,500	South Chickamauga Creek	Pump Station - Electrical Failure
5-Jan-15	9:40 AM	6693 Hickory Brook Rd	Manhole	S138M082	UNK ²	1,500	Storm Drain*	Wet Weather

**Table 2-1
Quarterly SSO Report**

January 1, 2015 – March 31, 2015								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
6-Jan-15	8:35 AM	6041 Arlena Circle	Manhole	S138O011	1.67	10,000	Storm Drain	Blockage - Trash/Debris
12-Jan-15	6:18 PM	3663 Northrop St	Manhole	S118F077	4.05	250	Land*	Blockage - Grease
28-Jan-15	1:00 PM	3015 St Paul St	Main Line	N/A	UNK ²	500	Land*	Break
19-Feb-15	10:22 AM	702 North Crest Rd	Manhole	S137H045	1.55	2,500	Land*	Blockage - Grease
19-Feb-15	4:24 PM	2800 Folts Dr	Manhole	S118P057	18.60	750	Land*	Blockage - Roots
21-Feb-15	11:20 PM	122 Rowland Gap Rd	Main Line	N/A	2.67	500,000	Tennessee River	Pump Station - Mechanical Failure
24-Feb-15	10:30 AM	1606 Carousel Rd	Manhole	S137P070	3.40	150	Land*	Blockage - Grease
27-Feb-15	UNK ²	2503 E 3rd St	Service Line	N/A	UNK ²	250	Structure*	Blockage - Trash/Debris
5-Mar-15	10:10 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	26.50	130,500	Wolftever Creek	Wet Weather
5-Mar-15	10:10 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	26.50	43,500	Wolftever Creek	Wet Weather

**Table 2-1
Quarterly SSO Report**

January 1, 2015 – March 31, 2015								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
5-Mar-15	10:10 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	26.50	87,000	Wolftever Creek	Wet Weather
5-Mar-15	10:20 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	26.33	43,500	Wolftever Creek	Wet Weather
5-Mar-15	10:46 AM	122 Rowland Gap Rd	Main Line	N/A	28.68	3,500,000	Tennessee River	Wet Weather
6-Mar-15	11:10 AM	5161 Ooltewah Ringgold Rd (Collegedale PS) ³	Manhole	UNK ¹	0.53	3,200	Wolftever Creek	Wet Weather
6-Mar-15	UNK ²	2503 E 3rd St	Service Line	N/A	UNK ²	250	Structure*	Blockage - Trash/Debris
7-Mar-15	12:50 PM	1914 Howell Mill Dr	Manhole	S159F061	7.67	60,000	Ditch	Blockage - Roots
10-Mar-15	9:00 AM	1207 Radmoor Ln	Manhole	S158N069	1.17	1,500	South Chickamauga Creek	Wet Weather
10-Mar-15	9:00 AM	1207 Radmoor Ln	Manhole	S158N033	1.17	1,500	Land	Wet Weather
14-Mar-15	10:17 AM	2843 Waterhaven Dr	Manhole	S128G063	5.30	4,955,000	South Chickamauga Creek	Power Failure from Power Source

**Table 2-1
Quarterly SSO Report**

January 1, 2015 – March 31, 2015								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
14-Mar-15	10:17 AM	2412 Waterhaven Dr	Manhole	S128B002	5.30	250,000	South Chickamauga Creek	Power Failure from Power Source
14-Mar-15	10:17 AM	2432 Waterhaven Dr	Manhole	S128B003	5.30	400,000	South Chickamauga Creek	Power Failure from Power Source
16-Mar-15	4:18 PM	1110 N Concord Rd	Manhole	S158N066	UNK ²	20,000	South Chickamauga Creek	Wet Weather
16-Mar-15	4:18 PM	1108 N Concord Rd	Manhole	S158N065	UNK ²	1,500	South Chickamauga Creek	Wet Weather

¹ Manholes are not numbered.

² This information was not available at time of reporting.

³ 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 January 1, 2015 through March 31, 2015.

4.0 CSO Outfall Discharges

For the reporting period of January 1, 2015 through March 31, 2015 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, all of which discharged overflows from the CSS during the reporting period.

Table 4-1
Quarterly CSO Outfall Discharge Report

January 1, 2015 – March 31, 2015						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
3-Jan-15	9:59 PM	19th St CSO (008)	6.30	9.0061	Tennessee River	Rain Event
3-Jan-15	9:59 PM	Carter St CSO (009)	8.26	6.3062	Tennessee River	Rain Event
3-Jan-15	10:02 PM	Tremont CSO (005)	0.53	0.1853	Tennessee River	Rain Event
3-Jan-15	10:12 PM	ML King CSO (007)	14.75	2.8434	Tennessee River	Rain Event
3-Jan-15	10:48 PM	Ross's Landing CSO (006)	5.86	1.9174	Tennessee River	Rain Event
4-Jan-15	1:13 AM	Central CSO (002)	10.90	5.4196	Tennessee River	Rain Event
4-Jan-15	3:57 AM	Citico CSO (004)	5.97	0.8658	Tennessee River	Rain Event
4-Jan-15	7:01 AM	Williams St CSO (003)	5.92	4.7905	Tennessee River	Rain Event
1-Feb-15	9:36 PM	Carter St CSO (009)	2.13	0.8496	Tennessee River	Rain Event
1-Feb-15	10:15 PM	Tremont CSO (005)	1.77	0.2935	Tennessee River	Rain Event
1-Feb-15	10:50 PM	ML King CSO (007)	1.50	0.6390	Tennessee River	Rain Event
1-Feb-15	11:29 PM	19th St CSO (008)	0.52	0.0483	Tennessee River	Rain Event
2-Feb-15	11:43 AM	19th St CSO (008)	0.17	0.0201	Tennessee River	Rain Event
16-Feb-15	4:36 PM	19th St CSO (008)	4.35	0.1406	Tennessee River	Rain Event
16-Feb-15	5:22 PM	Carter St CSO (009)	3.87	0.6125	Tennessee River	Rain Event
18-Feb-15	2:23 AM	19th St CSO (008)	0.07	0.0023	Tennessee River	Rain Event
21-Feb-15	7:05 PM	19th St CSO (008)	4.07	0.0435	Tennessee River	Rain Event
21-Feb-15	7:52 PM	Carter St CSO (009)	3.83	0.6333	Tennessee River	Rain Event
21-Feb-15	8:12 PM	Tremont CSO (005)	0.57	0.0140	Tennessee River	Rain Event
21-Feb-15	9:15 PM	ML King CSO (007)	4.37	0.8737	Tennessee River	Rain Event
5-Mar-15	8:52 AM	19th St CSO (008)	2.58	0.0770	Tennessee River	Rain Event
5-Mar-15	9:47 AM	Carter St CSO (009)	2.17	0.4314	Tennessee River	Rain Event
5-Mar-15	10:35 AM	ML King CSO (007)	2.00	0.3754	Tennessee River	Rain Event
11-Mar-15	5:06 AM	19th St CSO (008)	1.03	0.0320	Tennessee River	Rain Event

Table 4-1
 Quarterly CSO Outfall Discharge Report

January 1, 2015 – March 31, 2015						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
14-Mar-15	12:30 AM	19th St CSO (008)	0.92	0.0390	Tennessee River	Rain Event
15-Mar-15	12:33 AM	19th St CSO (008)	0.15	0.0050	Tennessee River	Rain Event
30-Mar-15	8:57 AM	19th St CSO (008)	0.57	0.0670	Tennessee River	Rain Event