



City of Chattanooga

Mayor Andy Berke

April 30, 2014

VIA CERTIFIED MAIL

Ms. Sara Schiff
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-0024*
Quarterly Report #3 – January 2014 to March 2014**

Dear Ms. Schiff:

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-0024 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the third 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 Schiff

RE: ***United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024***
Quarterly Report #3 – January 2014 to March 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
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Quarterly Report No. 3

January 1 – March 31, 2014

Prepared for

**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 30, 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

On April 24, 2013, 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”). 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. 3 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, 2014 through March 31, 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

January 1, 2014 – March 31, 2014								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
05-Jan-14	3:07 PM	7000 Shallowford Road	Manhole	S148D091	4.88	50	Ditch	Blockage - General
06-Jan-14	2:20 PM	3500 Dodson Avenue	Manhole	S128I024	21.50	2,500	Land	Blockage - Roots
07-Jan-14	UNK ²	7000 Shallowford Road	Manhole	S148D092	UNK ²	4,500	Storm Drain	Blockage - General
10-Jan-14	10:23 AM	1 Frawley Road	Manhole	S158D001	UNK ²	125	Land	Wet Weather
11-Jan-14	7:30 AM	122 Rowland Gap Road (West Bank)	Main Line	N/A	14.75	265,500	Tennessee River	Power Failure from Power Source
11-Jan-14	12:40 PM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	5.00	45,000	Wolftever Creek	Wet Weather
11-Jan-14	9:20 PM	811 Boy Scout Rd. (Boy Scout P.S.)	Manhole	S082P014	0.17	3,500	Land	Pump Station - Mechanical Failure
12-Jan-14	2:40 AM	1004 Riverside Drive (Citico Pump Station)	Manhole	S136P605	15.50	1,187,500	Tennessee River	Pump Station - Mechanical Failure
15-Jan-14	1:17 PM	1015 W 37th St	Manhole	S155N034	1.05	2,000	Land	Blockage - Grease
16-Jan-14	8:40 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	27.58	140,250	Wolftever Creek	Pump Station - Mechanical Failure
22-Jan-14	9:00 AM	7606 Davidson Rd	Manhole	S170C021	UNK ²	500	Stream	Wet Weather
24-Jan-14	8:30 AM	1207 Concord Road	Manhole	S158N033	UNK ²	1,500	Ditch	Wet Weather
03-Feb-14	1:30 AM	122 Rowland Gap Road (West Bank)	Main Line	N/A	27.50	495,000	Tennessee River	Wet Weather
03-Feb-14	2:40 AM	End of MLK BLVD (East Bank)	Main Line	N/A	5.58	87,000	Tennessee River	Wet Weather
03-Feb-14	8:30 AM	3728 Wilcox Blvd	Manhole	S147B301	UNK ²	750	Land	Wet Weather
03-Feb-14	9:19 AM	3857 Birmingham Dr	Manhole	S118D128	23.00	7,500	Tennessee River	Wet Weather
03-Feb-14	9:30 AM	2001 S Kelly St	Manhole	S156G022	23.25	1,500	Ditch	Wet Weather

Table 2-1
Quarterly SSO Report

January 1, 2014 – March 31, 2014								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
03-Feb-14	10:00 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	16.67	150,000	Wolftever Creek	Wet Weather
03-Feb-14	10:00 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	48.47	325,000	Wolftever Creek	Wet Weather
03-Feb-14	10:30 AM	1020 Lupton Dr	Manhole	S118K006	21.75	15,000	Tennessee River	Wet Weather
03-Feb-14	11:00 AM	914 Sterling Ave	Manhole	S136H107	21.00	12,000	Tennessee River	Wet Weather
03-Feb-14	11:00 AM	2407 Awtry St	Main Line	N/A	UNK ²	2,500	Structure	Other/Misc
03-Feb-14	11:08 AM	6724 Hickory Creek Rd	Manhole	S138M019	UNK ²	75	Land	Wet Weather
03-Feb-14	11:08 AM	6693 Hickory Brook Dr	Manhole	S138M082	UNK ²	75	Ditch	Wet Weather
03-Feb-14	12:30 PM	1179 Old Pineville Rd (Pineville Pump Station)	Manhole	S126J017	43.50	65,250	Land**	Wet Weather
03-Feb-14	2:40 PM	4238 Old Woodland Dr Summit Landfill "Pump Station #1"	Manhole	S140F003	28.83	8,650	Land	Wet Weather
10-Feb-14	11:33 AM	6207 Bonny Oaks Dr	Manhole	S129N086	0.70	50	Land	Blockage - General
14-Feb-14	11:10 AM	407 Shallowford Rd	Other	N/A	1.12	500	Land	Blockage - General
14-Feb-14	1:45 PM	129 Centro St	Manhole	S154C017	UNK ²	150	Land	Wet Weather
21-Feb-14	3:00 AM	122 Rowland Gap Road (West Bank)	Main Line	N/A	UNK ²	439,500	Tennessee River	Wet Weather
21-Feb-14	3:35 AM	End of MLK BLVD (East Bank)	Main Line	N/A	1.17	2,150	Tennessee River	Wet Weather
21-Feb-14	4:00 AM	1179 Old Pineville Rd (Pineville Pump Station)	Manhole	S126J017	76.17	22,850	Land**	Wet Weather

Table 2-1
Quarterly SSO Report

January 1, 2014 – March 31, 2014								
Start Date	Start Time	Location	Source	MH ID#	Estimated Duration (hrs)	Estimated Volume (gal)	SSO Destination	Cause
21-Feb-14	5:00 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	19.17	115,000	Wolftever Creek	Wet Weather
21-Feb-14	5:25 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	18.75	28,125	Wolftever Creek	Wet Weather
21-Feb-14	9:00 AM	5161 Ooltewah Ringgold Rd. "Collegedale PS" ³	Manhole	UNK ¹	15.17	91,000	Wolftever Creek	Wet Weather
21-Feb-14	10:20 AM	1001 Shallowford Rd	Manhole	S147G104	1.92	15,000	Ditch**	Blockage - Grease
27-Feb-14	12:10 PM	1743 White Oak Rd. (Altamont P.S.)	Manhole	S126E018	0.83	800	Ditch	Other/Misc
28-Feb-14	3:30 PM	3709 Shamrock Dr	Manhole	S137K011	UNK ²	25,000	South Chickamauga Creek	Wet Weather
06-Mar-14	1:00 PM	1609 Edgewood Circle	Main Line	N/A	UNK ²	500	Land	Other/Misc
27-Mar-14	12:00 PM	3405 Lightfoot Mill Road	Manhole	S137C013	UNK ²	500	Land	Wet Weather
27-Mar-14	12:00 PM	2882 Harrison Pike	Manhole	S128F048	UNK ²	10	Land	Wet Weather
27-Mar-14	12:00 PM	3405 Lightfoot Mill Road	Manhole	S137C503	UNK ²	5,000	South Chickamauga Creek	Wet Weather
27-Mar-14	12:00 PM	2663 Waterhaven Drive	Manhole	S128G069	UNK ²	2,500	South Chickamauga Creek	Wet Weather
27-Mar-14	12:00 PM	4063 Simmons Drive	Main Line	N/A	UNK ²	250	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 reach waters of the United States

3.0 Moccasin Bend WWTP Bypasses

For the reporting period of January 1, 2014 through March 31, 2014, the WWTP experienced bypasses during wet weather events as listed in Table 3-1. The CD sets forth the same definition for bypass as the 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. During heavy rain events, excess flow is sent through the Moccasin Bend WWTP's wet weather process, which consists of grit removal, primary clarification and chlorine contact. A bypass occurs when either a portion of the effluent or the entire effluent flow from the wet weather process is diverted from the secondary treatment train of the WWTP and discharged to the Tennessee River.

Table 3-1
Quarterly Bypass Report

January 1, 2014 – March 31, 2014							
Start Date	Start Time	Location	Source	Duration (hrs)	Bypass Volume (MG)	Receiving Water	Cause
12-Jan-14	12:00 AM	MBWWTP	Wet Weather Process	73	47.95	Tennessee River	Heavy Rain
3-Feb-14	4:00 PM	MBWWTP	Wet Weather Process	61	139.63	Tennessee River	Heavy Rain
21-Feb-14	1:00 AM	MBWWTP	Wet Weather Process	35	67.68	Tennessee River	Heavy Rain

4.0 CSO Outfall Discharges

For the reporting period of January 1, 2014 through March 31, 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, all of which discharged overflows from the CSS during the reporting period.

Table 4-1
Quarterly CSO Outfall Discharge Report

January 1, 2014 – March 31, 2014						
Start Date	Start Time	Location/Nearest Stream	Duration (hrs)	Volume (MG)	Receiving Water	Cause
11-Jan-14	6:27 AM	Carter ST CSO (009)	4.18	4.0071	Tennessee River	Rain Event
11-Jan-14	6:47 AM	Ross's Landing CSO (006)	2.95	1.6262	Tennessee River	Rain Event
11-Jan-14	6:55 AM	Citico CSO (004)	0.53	0.1234	Tennessee River	Rain Event
11-Jan-14	7:04 AM	19th St CSO (008)	2.43	0.8656	Tennessee River	Rain Event
11-Jan-14	8:21 AM	ML King CSO (007)	1.38	0.1685	Tennessee River	Rain Event
2-Feb-14	11:21 PM	19th St CSO (008)	6.55	10.8285	Tennessee River	Rain Event
2-Feb-14	11:52 PM	Carter ST CSO (009)	7.87	3.7038	Tennessee River	Rain Event
3-Feb-14	12:33 AM	Ross's Landing CSO (006)	5.78	7.3379	Tennessee River	Rain Event
3-Feb-14	1:26 AM	Central CSO (002)	7.95	9.8964	Tennessee River	Rain Event
3-Feb-14	2:06 AM	ML King CSO (007)	3.32	0.7000	Tennessee River	Rain Event
3-Feb-14	3:46 AM	Tremont CSO (005)	2.72	0.0472	Tennessee River	Rain Event
3-Feb-14	4:33 AM	Williams St CSO (003)	0.48	0.1525	Tennessee River	Rain Event
3-Feb-14	6:02 AM	Citico CSO (004)	5.48	0.5593	Tennessee River	Rain Event
5-Feb-14	3:17 AM	Carter ST CSO (009)	1.13	0.1003	Tennessee River	Rain Event
21-Feb-14	1:15 AM	ML King CSO (007)	4.78	2.2018	Tennessee River	Rain Event
21-Feb-14	1:20 AM	Ross's Landing CSO (006)	3.9	7.3032	Tennessee River	Rain Event
21-Feb-14	1:45 AM	19th St CSO (008)	4.6	11.3813	Tennessee River	Rain Event
21-Feb-14	2:01 AM	Carter ST CSO (009)	6.43	4.8224	Tennessee River	Rain Event
21-Feb-14	2:31 AM	Tremont CSO (005)	4.2	0.1239	Tennessee River	Rain Event
21-Feb-14	3:58 AM	Central CSO (002)	2.95	1.9687	Tennessee River	Rain Event
21-Feb-14	4:26 AM	Williams St CSO (003)	0.52	0.0880	Tennessee River	Rain Event
16-Mar-14	9:59 AM	19th St CSO (008)	4.18	0.3242	Tennessee River	Rain Event
16-Mar-14	10:08 AM	Carter ST CSO (009)	2	0.4127	Tennessee River	Rain Event
17-Mar-14	12:45 AM	Carter ST CSO (009)	2.1	0.5645	Tennessee River	Rain Event