



City of Chattanooga

Mayor Andy Berke

October 29, 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. 9 – July 2015 to September 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 eighth 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.

October 29, 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 with a large initial "M".

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, Esq., TCWN
Adam Sowatzka, Esq., King & Spalding



Quarterly Report No. 9

July 1 – September 30, 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

October 30, 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. 9 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, 2015 through September 30, 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**

| July 1, 2015 – September 30, 2015 | | | | | | | | |
|-----------------------------------|------------|---------------------|------------|------------------|--------------------------|------------------------|-------------------------|-------------------------|
| Start Date | Start Time | Location | Source | MH ID# | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 01-Jul-15 | 8:30 AM | 423 Monya Ln | Main Line | UNK ² | 28.50 | 3,500 | Land* | Break |
| 02-Jul-15 | 2:50 PM | 1610 Elm St | Manhole | S118E057 | 3.00 | 18,000 | Tennessee River | Wet Weather |
| 02-Jul-15 | 2:50 PM | 1610 Elm St | Manhole | S188E998 | 0.17 | 50 | Tennessee River | Wet Weather |
| 03-Jul-15 | 9:00 AM | 1033 Lupton Dr | Manhole | S118K036 | 0.00 | 7,500 | Tennessee River | Wet Weather |
| 10-Jul-15 | 11:55 AM | 1829 Arcie Dr | Manhole | S137N024 | 5.00 | 6,500 | South Chickamauga Creek | Blockage - Grease |
| 13-Jul-15 | 8:40 AM | 1601 Eucalyptus | Manhole | S147K066 | 3.17 | 1,500 | Ditch | Blockage - Grease |
| 17-Aug-15 | 11:29 AM | 103 W 45th St | Manhole | S167C075 | 0.22 | 150 | Land* | Wet Weather |
| 17-Aug-15 | 11:29 AM | 103 W 45th St | Manhole | S167C073 | 0.22 | 2,000 | Storm Drain | Wet Weather |
| 17-Aug-15 | 1:15 PM | 122 Rowland Gap Rd | Main Line | UNK ² | 28.58 | 21,983,000 | Tennessee River | Wet Weather |
| 17-Aug-15 | 2:15 PM | 1022 Shallowford Rd | Wet Well | S147G104 | 20.23 | 25,000 | South Chickamauga Creek | Wet Weather |
| 18-Aug-15 | 11:30 AM | 122 Rowland Gap Rd | Main Line | UNK ² | 19.17 | 24,982,000 | Tennessee River | Wet Weather |
| 19-Aug-15 | 11:00 AM | 8823 Apison Pike | Force Main | UNK ² | 4.15 | 75 | Land* | Break |
| 19-Aug-15 | 8:50 PM | 122 Rowland Gap Rd | Main Line | UNK ² | 29.92 | 44,387,000 | Tennessee River | Wet Weather |
| 20-Aug-15 | 9:30 AM | 1321 Woodhill Dr | Main Line | UNK ² | 0.00 | 150 | Land* | Blockage - Roots |
| 23-Aug-15 | 10:05 AM | 122 Rowland Gap Rd | Main Line | UNK ² | 21.50 | 34,808,000 | Tennessee River | Wet Weather |
| 24-Aug-15 | 11:50 AM | 1715 LaHugh Dr | Manhole | S147B043 | 1.75 | 1,850 | Land* | Blockage - Roots |
| 04-Sep-15 | 11:10 AM | 2406 6th Ave | Manhole | S156J066 | 1.33 | 400 | Storm Drain | Blockage - Trash/Debris |
| 09-Sep-15 | 2:00 PM | 4790 Gann Store Rd | Force Main | UNK ² | 0.25 | 375 | Ditch* | Break |

**Table 2-1
Quarterly SSO Report**

| July 1, 2015 – September 30, 2015 | | | | | | | | |
|-----------------------------------|------------|----------------------|-----------|------------------|--------------------------|------------------------|-----------------|-----------------------------------|
| Start Date | Start Time | Location | Source | MH ID# | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 11-Sep-15 | 1:20 PM | 929 Riverside Dr | Other | UNK ² | 0.17 | 4,437,140 | Tennessee River | Pump Station - Mechanical Failure |
| 15-Sep-15 | 11:30 AM | 1500 E 46th St Place | Main Line | UNK ² | 4.15 | 6,500 | Ditch | Break |
| 28-Sep-15 | 11:55 AM | 2015 Hixson Pike | Manhole | S127H045 | 6.58 | 2,500 | Land* | Blockage - Roots |
| 30-Sep-15 | 1:30 PM | 316 Tucker St | Manhole | S135E050 | 1.50 | 10 | Ditch* | Blockage - Roots |

¹ Manholes are not numbered.

² This information was not available at time of reporting.

³ Common cause, within 500 yards of separate event.

⁴ These SSOs were caused by the same rain 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 July 1, 2015 through September 30, 2015.

4.0 CSO Outfall Discharges

For the reporting period of July 1, 2015 through September 30, 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 treatment facilities, seven (7) of which discharged overflows from the CSS during the reporting period.

Table 4-1
Quarterly CSO Outfall Discharge Report

| July 1, 2015 – September 30, 2015 | | | | | | |
|-----------------------------------|------------|-------------------------|----------------|-------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MG) | Receiving Water | Cause |
| 02-Jul-15 | 2:24 AM | Tremont CSO (005) | 5.1 | 1.300960 | Tennessee River | Rain Event |
| 02-Jul-15 | 4:35 AM | 19th St CSO (008) | 4.73 | 0.601566 | Tennessee River | Rain Event |
| 02-Jul-15 | 4:35 AM | 19th St CSO (008) | 4.73 | 0.601566 | Tennessee River | Rain Event |
| 02-Jul-15 | 1:16 PM | Carter St CSO (009) | 3.48 | 0.964980 | Tennessee River | Rain Event |
| 02-Jul-15 | 8:10 PM | Central CSO (002) | 5.15 | 3.447894 | Tennessee River | Rain Event |
| 02-Jul-15 | 8:10 PM | Central CSO (002) | 5.15 | 3.447894 | Tennessee River | Rain Event |
| 02-Jul-15 | 8:24 PM | ML King CSO (007) | 1.49 | 0.618960 | Tennessee River | Rain Event |
| 03-Jul-15 | 12:56 AM | Citico CSO (004) | 2.4 | 0.682980 | Tennessee River | Rain Event |
| 03-Jul-15 | 12:25 PM | 19th St CSO (008) | 0.27 | 0.002684 | Tennessee River | Rain Event |
| 03-Jul-15 | 12:25 PM | 19th St CSO (008) | 0.27 | 0.002684 | Tennessee River | Rain Event |
| 03-Jul-15 | 12:55 PM | Central CSO (002) | 1.95 | 0.251798 | Tennessee River | Rain Event |
| 04-Jul-15 | 1:41 AM | Carter St CSO (009) | 1.13 | 0.343138 | Tennessee River | Rain Event |
| 04-Jul-15 | 1:46 AM | 19th St CSO (008) | 2.32 | 0.294802 | Tennessee River | Rain Event |
| 04-Jul-15 | 1:52 AM | Central CSO (002) | 3.22 | 1.928068 | Tennessee River | Rain Event |
| 04-Jul-15 | 1:57 AM | Citico CSO (004) | 2.35 | 0.416048 | Tennessee River | Rain Event |
| 04-Jul-15 | 2:00 AM | ML King CSO (007) | 0.77 | 0.136775 | Tennessee River | Rain Event |
| 04-Jul-15 | 2:10 AM | Tremont CSO (005) | 0.32 | 0.006509 | Tennessee River | Rain Event |
| 05-Jul-15 | 4:19 PM | Citico CSO (004) | 0.53 | 0.064196 | Tennessee River | Rain Event |
| 06-Jul-15 | 3:54 PM | Citico CSO (004) | 0.73 | 0.018866 | Tennessee River | Rain Event |
| 14-Jul-15 | 6:53 PM | Tremont CSO (005) | 0.18 | 0.011328 | Tennessee River | Rain Event |
| 14-Jul-15 | 7:08 PM | ML King CSO (007) | 0.63 | 0.162941 | Tennessee River | Rain Event |
| 14-Jul-15 | 9:43 PM | 19th St CSO (008) | 0.37 | 0.050012 | Tennessee River | Rain Event |
| 20-Jul-15 | 8:36 AM | ML King CSO (007) | 2.53 | 0.795801 | Tennessee River | Rain Event |
| 23-Jul-15 | 7:36 AM | Tremont CSO (005) | 0.78 | 0.771827 | Tennessee River | Rain Event |
| 23-Jul-15 | 4:26 PM | 19th St CSO (008) | 0.36 | 0.054244 | Tennessee River | Rain Event |
| 17-Aug-15 | 11:17 AM | Carter St CSO (009) | 4.52 | 2.685383 | Tennessee River | Rain Event |
| 17-Aug-15 | 11:32 AM | 19th St CSO (008) | 2.05 | 0.171542 | Tennessee River | Rain Event |

Table 4-1
Quarterly CSO Outfall Discharge Report

| July 1, 2015 – September 30, 2015 | | | | | | |
|-----------------------------------|------------|--------------------------|----------------|-------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MG) | Receiving Water | Cause |
| 17-Aug-15 | 11:37 AM | ML King CSO (007) | 11.82 | 2.394698 | Tennessee River | Rain Event |
| 17-Aug-15 | 11:39 AM | Tremont CSO (005) | 1.88 | 0.230328 | Tennessee River | Rain Event |
| 17-Aug-15 | 11:48 AM | Ross's Landing CSO (006) | 2.52 | 1.761625 | Tennessee River | Rain Event |
| 17-Aug-15 | 12:33 PM | Central CSO (002) | 8.95 | 6.293157 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:10 AM | Williams St CSO (003) | 14.67 | 0.078000 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:32 AM | Central CSO (002) | 6.7 | 6.438540 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:34 AM | Carter St CSO (009) | 2.43 | 1.359547 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:35 AM | 19th St CSO (008) | 2.02 | 0.514483 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:41 AM | ML King CSO (007) | 3.35 | 1.462087 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:43 AM | Tremont CSO (005) | 1.2 | 0.606083 | Tennessee River | Rain Event |
| 18-Aug-15 | 10:50 AM | Citico CSO (004) | 1.47 | 0.178422 | Tennessee River | Rain Event |
| 18-Aug-15 | 11:12 AM | Ross's Landing CSO (006) | 0.72 | 0.343675 | Tennessee River | Rain Event |
| 19-Aug-15 | 7:55 PM | 19th St CSO (008) | 1.78 | 0.232420 | Tennessee River | Rain Event |
| 19-Aug-15 | 8:02 PM | Central CSO (002) | 4.87 | 3.733706 | Tennessee River | Rain Event |
| 19-Aug-15 | 8:23 PM | ML King CSO (007) | 3 | 0.784363 | Tennessee River | Rain Event |
| 19-Aug-15 | 8:25 PM | Tremont CSO (005) | 0.43 | 0.038149 | Tennessee River | Rain Event |
| 22-Aug-15 | 10:24 PM | 19th St CSO (008) | 3.63 | 0.699568 | Tennessee River | Rain Event |
| 23-Aug-15 | 8:10 AM | Williams St CSO (003) | 14.55 | 0.365000 | Tennessee River | Rain Event |
| 23-Aug-15 | 8:43 AM | Carter St CSO (009) | 3.37 | 4.183330 | Tennessee River | Rain Event |
| 23-Aug-15 | 8:52 AM | Tremont CSO (005) | 2.72 | 0.727824 | Tennessee River | Rain Event |
| 23-Aug-15 | 9:00 AM | Central CSO (002) | 6.25 | 7.542646 | Tennessee River | Rain Event |
| 23-Aug-15 | 9:01 AM | ML King CSO (007) | 3.38 | 1.715764 | Tennessee River | Rain Event |
| 23-Aug-15 | 9:21 AM | Citico CSO (004) | 1.58 | 1.389575 | Tennessee River | Rain Event |
| 23-Aug-15 | 9:32 AM | Ross's Landing CSO (006) | 2 | 1.671079 | Tennessee River | Rain Event |
| 11-Sep-15 | 7:56 PM | Citico CSO (004) | 0.93 | 0.483143 | Tennessee River | Rain Event |

Table 4-1
 Quarterly CSO Outfall Discharge Report

| July 1, 2015 – September 30, 2015 | | | | | | |
|-----------------------------------|------------|-------------------------|----------------|-------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MG) | Receiving Water | Cause |
| 11-Sep-15 | 7:58 PM | 19th St CSO (008) | 0.15 | 0.114724 | Tennessee River | Rain Event |