



City of Chattanooga

Mayor Andy Berke

October 30, 2013

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 #1 – April 2013 to September 2013**

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 first 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
October 30, 2013
Page Two

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

Sincerely,



Alice L. Cannella, P.E.
Director, Waste Resources

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
Mike Marino, PE, Jacobs
Adam Sowatzka, Esq., King & Spalding
Donald L. Norris, Public Works Administrator



Quarterly Report No.1

April 24 - September 30, 2013

Prepared for

EPA & TDEC
City of Chattanooga
Waste Resources Division
Consent Decree Program

Prepared by

City of Chattanooga
Waste Resources Division

Submitted by

JACOBS
Jacobs Engineering Group Inc.
Consent Decree Program Manager

Chattanooga, Tennessee

October 30, 2013

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Acronyms and Abbreviations

| | |
|--------|--|
| Ave | Avenue |
| Blk | Block |
| 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 |
| IRPS | Influent Relief Pump Station |
| M | m |
| MBWWTP | Moccasin Bend Waste Water Treatment Plant |
| MG | Million Gallons |
| MGD | Millions of Gallons per Day |
| MH | Manhole |
| N/A | Not Available |
| 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 |
| TN | Tennessee |
| WCTS | Wastewater Collection and Transmission System |
| WWTP | Wastewater Treatment Plant |
| UNK | Unknown |

1.0 Introduction

1.1 Purpose

On April 24, 2013, the City of Chattanooga entered into a Consent Decree (CD) 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 (“Consent Decree”). Pursuant to Section IX 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. 1 to satisfy the reporting requirements of the CD.

1.2 Requirements

As detailed in Section IX 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.

1.3 Reporting Schedule

Pursuant to Paragraph 38 of the CD, quarterly reports are to be submitted to the EPA and TDEC beginning 30 days after the first full 3 month period following the effective date of the CD. On August 29, 2013, Chattanooga submitted a letter to EPA requesting clarification on the schedule for submitting quarterly and other reports. EPA responded to that letter on September 16, 2013, providing clarification. A copy of EPA’s letter is provided in Appendix A. Quarterly Report No. 1 and future reports will be submitted pursuant to the schedule set forth in that letter.

2.0 SSO Events

For the reporting period of April 24, 2013 through September 30, 2013, Chattanooga experienced SSOs as listed in Table 2-1. An SSO event is defined by 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 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. A single SSO event is reported as the total time period that an SSO occurs at the same location and due to the same causes.

Table 2-1
Quarterly SSO Report

| April 24, 2013 - September 30, 2013 | | | | | | | | |
|-------------------------------------|----------|---|---------|------------------|--------------------------|------------------------|---|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 27-Apr-13 | 5:30 AM | 122 Rowland Gap Road (West Bank) | Outfall | N/A ¹ | 2.33 | 35,000 | TN River | Weather/heavy rain |
| 28-Apr-13 | 9:25 AM | 122 Rowland Gap Road (West Bank) | Outfall | N/A ¹ | 29.33 | 484,000 | TN River | Weather/heavy rain |
| 28-Apr-13 | 2:20 PM | 1138 Pineville Rd "Pineville Pump Station" | MH | S126O035 | 47.17 | 424,500 | Land/manhole in cul de sac into storm ditch | Weather/Capacity |
| 28-Apr-13 | 2:37 PM | 1610 Elm Street (Dupont PS) | MH | S118E055 | 1.55 | 2,325 | Land | Weather/Capacity |
| 28-Apr-13 | 3:05 PM | 5161 Ooltewah Ringgold Rd. "Collegedale Pump Station" | MH | UNK ² | 35.13 | 433,600 | MH beside 1st station entry gate | Weather/Capacity |
| 28-Apr-13 | 3:05 PM | 5161 Ooltewah Ringgold Rd. "Collegedale Pump Station" | MH | UNK ² | 35.13 | 433,600 | MH beside 2nd station entry gate | Weather/Capacity |
| 28-Apr-13 | 3:35 PM | 5161 Ooltewah Ringgold Rd. "Collegedale Pump Station" | MH | UNK ² | 34.63 | 213,800 | MH west of station in field across creek | Weather/Capacity |
| 28-Apr-13 | 3:40 PM | 1610 Elm Street (Dupont PS) | MH | S118E055 | 0.50 | 8,250 | Land | Power Fail |
| 28-Apr-13 | 4:40 PM | 1004 Riverside Drive (Citico Pump Station) | MH | S136P800 | 15.08 | 135,750 | Land/TN river | Weather/Heavy Rain |
| 29-Apr-13 | 9:00 AM | 1100 Lupton Dr | MH | S118K006 | 30.00 | 20,000 | Land/ditch | Weather/heavy rain |
| 29-Apr-13 | 9:25 AM | 914 Sterling Ave | MH | S136H107 | 30.58 | 50,000 | Land/ditch | Weather/Heavy rain |
| 29-Apr-13 | 8:00 AM | 4600 Kemp Dr | MH | S157C065 | 8.00 | 10,000 | Land | Weather/Heavy rain |
| 29-Apr-13 | 11:45 AM | 1590 Marsh Ln (Hixson#1 PS) | MH | S100O065 | 21.00 | 126,000 | Stream behind 1590 Marsh Ln | Weather/heavy rain |

Table 2-1
Quarterly SSO Report

| April 24, 2013 - September 30, 2013 | | | | | | | | |
|-------------------------------------|----------|--|--------------|------------------|--------------------------|------------------------|--|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 29-Apr-13 | 7:45 AM | 4677 Adams Rd (Hixson#1 PS) | MH | S110G020 | 24.67 | 74,000 | Land | Weather/heavy rain |
| 3-May-13 | 10:30 AM | 234 Aster Ave | Service Line | N/A ¹ | 75.25 | 4,000 | Land | Blockage/trash |
| 3-May-13 | 10:30 AM | 234 Aster Ave | Service Line | N/A ¹ | 75.25 | 1,000 | Land | Blockage/trash |
| 4-May-13 | 11:35 AM | 122 Rowland Gap Road (West Bank) | Outfall | N/A ¹ | 110.67 | 1,992,000 | TN River | Weather/heavy rain |
| 4-May-13 | 6:30 PM | 640 Lupton Dr. | MH | S118G087 | 40.25 | 50,000 | Land/ditch | Weather/heavy rain |
| 4-May-13 | 6:30 PM | 646 Lupton Dr. | MH | S118G086 | 40.25 | 50,000 | Land/ditch | Weather/heavy rain |
| 4-May-13 | 7:00 PM | 1610 Elm Street (Dupont PS) | MH | S118E055 | 63.67 | 95,500 | Land | Weather/Capacity |
| 4-May-13 | 7:00 PM | 1610 Elm Street (Dupont PS) | MH | UNK ² | 63.58 | 572,250 | Land | Weather/Capacity |
| 4-May-13 | 8:15 PM | 1552 Marsh Ln (Hixson#1 PS) | MH | S100O065 | 60.33 | 724,000 | Land | Weather/heavy rain |
| 4-May-13 | 8:15 PM | 1590 Marsh Ln (Hixson#1 PS) | MH | S100O066 | 60.33 | 362,000 | Land | Weather/heavy rain |
| 4-May-13 | 8:20 PM | 4677 Adams Rd (Hixson#1 PS) | MH | S110G020 | 59.83 | 718,000 | Land | Weather/heavy rain |
| 4-May-13 | 9:15 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 66.42 | 797,000 | MH beside 1st station entry gate | Weather/Capacity |
| 4-May-13 | 9:15 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 85.42 | 1,025,000 | MH beside 2nd station entry gate | Weather/Capacity |
| 4-May-13 | 9:15 | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 78.42 | 398,500 | MH west of station in field across creek | Weather/Capacity |
| 4-May-13 | 11:00 PM | 1138 Pineville Rd (Pineville Pump | MH | S126O035 | 104.33 | 1,252,000 | Land MH at end of Old | Weather/Capacity |

Table 2-1
Quarterly SSO Report

| April 24, 2013 - September 30, 2013 | | | | | | | | |
|-------------------------------------|------------------|--|-------------------|------------------|--------------------------|------------------------|------------------|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| | | Station) | | | | | Pineville Rd | |
| 4-May-13 | 10:00 PM | Club Dr & N Howell | MH | S157K004 | 39.00 | 10,000 | Land | Weather/heavy rain |
| 4-May-13 | 2:38 PM | 1000 Blk Shallowford Rd | MH | S147G087 | 46.37 | 50,000 | Land/ditch | Weather/heavy rain |
| 5-May-13 | 12:05 PM | 5203 Old Mission Rd.(Brainerd Golf Course) | MH | S157F059 | 45.58 | 273,500 | Land | Weather/heavy rain |
| 5-May-13 | 11:00 AM | 5300 Old Mission Rd | MH | S157K058 | 27.00 | 10,000 | Land | Weather/heavy rain |
| 5-May-13 | UNK ³ | 648 Browns Ferry Rd, ³ Chattanooga, TN 37419 | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ |
| 6-May-13 | 12:30 PM | 4401 N Choctaw | MH | S157B015 | 0.50 | 500 | Land/ditch | Weather/heavy rain |
| 6-May-13 | 8:10 AM | 1100 Lupton Dr | MH | S118K006 | 48.83 | 20,000 | Land/ditch | Weather/heavy rain |
| 6-May-13 | 7:50 AM | 914 Sterling Ave | MH | S136H107 | 53.17 | 100,000 | Land/ditch | Weather/Heavy rain |
| 6-May-13 | 1:00 PM | 5461 Longview Dr | MH | S100K027 | 50.50 | 10,000 | Land/ditch | Weather/heavy rain |
| 6-May-13 | 9:30 AM | 1200 Talley Rd | MH | S147F303 | 54.00 | 50,000 | Land | Weather/heavy rain |
| 6-May-13 | 3:50 PM | End of MLK BLVD (East Bank) | MH | S135O027 | 46.17 | 1,246,500 | TN River | Weather/heavy rain |
| 6-May-13 | 8:30 AM | 1179 Old Pineville Rd (Pineville Pump Station) | MH | S126G010 | UNK ⁴ | 1,252,000 | Land | Weather/heavy rain |
| 6-May-13 | 10:30 AM | 3857 Birmingham Dr | MH | S118D128 | 52.00 | 50,000 | Land/ditch | Weather/heavy rain |
| 6-May-13 | 1:01 PM | 5010 Creekside Preserve Dr | Customer Cleanout | N/A ¹ | 1.65 | 1,000 | Land/ditch | Weather/Heavy rain |
| 8-May-13 | 8:38 AM | 980 19th. St. Southern Foundry (19th St | Service line | N/A ¹ | 22.70 | 35,750 | Land | Weather/heavy rain |

Table 2-1
Quarterly SSO Report

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|-------------------------------------|---------|---|--------------|------------------|--------------------------|------------------------|--|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| | | P.S.) | | | | | | |
| 9-May-13 | 3:30 PM | 1 Frawley Rd | MH | S158D001 | UNK ⁴ | 10,000 | Land | Weather/heavy rain |
| 12-May-13 | 6:00 AM | 511 W 38th St. | MH | S158N093 | 13.50 | 1,000 | Land/ditch | Blockage/sand bag |
| 12-May-13 | 4:30 AM | W 38th St & Hughes Ave | MH | S155N071 | 15.00 | 1,000 | Land/ditch | Blockage/sand bag |
| 13-May-13 | 3:25 PM | 704 Oxford Rd (Altamont Pump Station) | Force Main | N/A ¹ | 0.58 | 875 | Land/ditch | Broken force main |
| 17-May-13 | 1:50 PM | 3438 Crompton St | Service Line | N/A ¹ | 1.17 | 50 | Land | Blockage/trash |
| 19-May-13 | 5:27 PM | 122 Rowland Gap Road (West Bank) | Outfall | N/A ¹ | 9.72 | 169,675 | TN River | Weather/heavy rain |
| 19-May-13 | 1:30 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 19.75 | 280,500 | MH beside 1st station entry gate | Weather/Capacity |
| 19-May-13 | 1:30 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 28.73 | 172,400 | MH beside 2nd station entry gate | Weather/Capacity |
| 19-May-13 | 1:30 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 19.75 | 102,000 | MH west of station in field across creek | Weather/Capacity |
| 19-May-13 | 1:30 PM | 5161 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 19.75 | 153,000 | MH elevated 75ft northeast of station | Weather/Capacity |
| 20-May-13 | 4:00 PM | 1219 Northern Hills Rd | MH | S100I052 | 1.50 | 1,000 | Structure | Blockage/gravel |
| 21-May-13 | 9:15 AM | 4238 Old Woodland Dr Summit Landfill "Pump Station #1" | PS | N/A ¹ | 1.58 | 4,750 | Wet well | Electrical |
| 7-Jun-13 | 2:00 PM | 4614 St Elmo Ave | Service line | N/A ¹ | 7.00 | 50 | Land | Contractor error |

Table 2-1
Quarterly SSO Report

| April 24, 2013 - September 30, 2013 | | | | | | | | |
|-------------------------------------|------------------|---|-------------------|------------------|--------------------------|------------------------|---|-----------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 10-Jun-13 | 6:30 PM | 618 N Holly St | Customer Cleanout | N/A ¹ | 2.00 | 1,000 | Land | Blockage/trash grease |
| 11-Jun-13 | 11:45 AM | 6012 Hixson Pike | Customer Cleanout | N/A ¹ | 0.50 | 100 | Land | Blockage/grease |
| 19-Jun-13 | 9:00 AM | W 38th St & Hughes Ave | MH | S155N071 | 7.00 | 5,000 | Land/storm drain | Blockage/roots |
| 19-Jun-13 | 12:00 PM | W 35th St & Hughes Ave | MH | S155N074 | 0.50 | 1,000 | Land | Blockage |
| 1-Jul-13 | 10:00 AM | 401 E 38th St | Main Line | S167D010 | UNK ⁴ | 5,000 | Land | Weather/heavy rain |
| 5-Jul-13 | 8:35 AM | 1138 Pineville Rd (Pineville Pump Station) | MH | S126O035 | 119.75 | 35,925 | Land/manhole in cul de sac into storm ditch | Weather/Capacity |
| 5-Jul-13 | 1:30 PM | 5205 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 4.00 | 1,200 | raised MH beside 2nd station entry gate | Weather/Capacity |
| 6-Jul-13 | 12:45 PM | 122 Rowland Gap Road (West Bank) | Outfall | N/A ¹ | 138.75 | 50,000,000 | TN River | Weather/heavy rain |
| 6-Jul-13 | 2:20 PM | 1610 Elm Street (Dupont PS) | MH | S118E055 | 96.17 | 50,000 | Land | Weather/Capacity |
| 6-Jul-13 | 5:05 PM | 4655 Adams Rd (Hixson#1 PS) | MH | S110G020 | 136.42 | 1,300,000 | Land | Weather/heavy rain |
| 6-Jul-13 | 4:45 PM | 1552 Marsh Ln (Hixson#1 PS) | MH | S100O065 | 137.17 | 100,000 | Land | Weather/heavy rain |
| 6-Jul-13 | 4:50 PM | 1590 Marsh Ln (Hixson#1 PS) | MH | S100O066 | 93.67 | 50,000 | Land | Weather/heavy rain |
| 6-Jul-13 | 8:00 PM | Shallowford Rd & McDowell St | MH | S147G104 | 58.00 | 50,000 | Land | Weather/Heavy Rain |
| 6-Jul-13 | UNK ³ | 648 Browns Ferry Rd, ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ |

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|-------------------------------------|----------|---|----------------------|------------------|--------------------------|------------------------|--|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| | | Chattanooga, TN 37419 | | | | | | |
| 7-Jul-13 | 6:30 AM | 5205 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 50.58 | 455,250 | MH beside 1st station entry gate | Weather/Capacity |
| 7-Jul-13 | 6:30 AM | 5205 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 50.58 | 455,250 | raised MH beside 2nd station entry gate | Weather/Capacity |
| 7-Jul-13 | 7:30 PM | 139 Browns Ferry Rd | Customer Cleanout | N/A ¹ | 86.50 | 1,000 | Land/ditch | Weather/heavy rain |
| 7-Jul-13 | 10:00 PM | 1116 Plaza Dr | Customer Cleanout | N/A ¹ | 64.00 | 5,000 | Land | Weather/Heavy rain |
| 7-Jul-13 | 6:30 AM | 5205 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 51.08 | 455,250 | MH west of station in field across creek | Weather/Capacity |
| 8-Jul-13 | 1:00 AM | 5437 Longview Dr (Hixson#1 PS) | MH | S100O005 | 61.50 | 50,000 | Land | Weather/heavy rain |
| 8-Jul-13 | 8:55 AM | 5203 Old Mission Rd.(Brainerd Golf Course) | | S157F059 | 25.42 | 38,125 | Land | Weather/Capacity |
| 8-Jul-13 | 9:00 AM | 4238 Old Woodland Dr Summit Landfill "Pump Station #1" | PS | N/A ¹ | 23.23 | 27,880 | Land | Weather/Capacity |
| 8-Jul-13 | 8:15 AM | 1033 Lupton Dr | MH | S118K006 | 54.75 | 50,000 | Ditch (TN River) | Weather/heavy rain |
| 8-Jul-13 | 8:00 AM | 900 Sterling Ave | MH | S136H107 | 55.00 | 100,000 | Land/ditch | Weather/Heavy rain |
| 8-Jul-13 | 8:30 AM | 1100 Lupton Dr | MH | S118L005 | 48.50 | 10,000 | Land | Weather/heavy rain |

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Quarterly SSO Report

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|-------------------------------------|----------|------------------------------|-------------------|------------------|--------------------------|------------------------|------------------|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 8-Jul-13 | 8:45 AM | 3928 Birmingham Dr | MH | S118D127 | 48.25 | 288,000 | Land/storm drain | Weather/heavy rain |
| 8-Jul-13 | 8:30 AM | 2109 Lynnbrook Ave | MH | S156G048 | 48.50 | 50,000 | Land/Storm drain | Weather/Heavy Rain |
| 8-Jul-13 | 9:30 AM | 1820 E 23rd St | MH | S156G049 | 47.50 | 150,000 | Land/ditch | Weather/heavy rain |
| 8-Jul-13 | 10:30 AM | 1807 E 23rd St | MH | S156G052 | 46.50 | 200,000 | Land/ditch | Weather/Heavy Rain |
| 8-Jul-13 | 11:30 AM | 1200 Talley Rd | MH | S147F017 | 46.50 | 20,000 | Land/ditch | Weather/heavy rain |
| 8-Jul-13 | 1:00 PM | 2325 Market St | MH | S145M090 | 44.00 | 250,000 | Land/ditch | Weather/heavy rain |
| 8-Jul-13 | 1:40 PM | 20 Tremont St. (Tremont CSO) | MH | UNK ² | 49.50 | 29,700 | TN River | Weather/heavy rain |
| 8-Jul-13 | 4:00 PM | 3816 Fagan St | MH | S167D046 | 42.17 | 362,000 | Land | Weather/Capacity |
| 8-Jul-13 | 10:30 AM | 4509 Kemp Dr | MH | S157B072 | 24.00 | 50,000 | Land/ditch | Weather/Heavy Rain |
| 8-Jul-13 | 10:30 AM | 4610 Kemp Dr | MH | S157C065 | 24.00 | 50,000 | Land/ditch | Weather/heavy rain |
| 8-Jul-13 | 10:15 AM | 0 Aim Way | MH | S157H046 | 3.25 | 20,000 | Land | Weather/Heavy Rain |
| 8-Jul-13 | 10:55 AM | 5300 Old Mission Rd | MH | S157K058 | 29.58 | 100,000 | Land/Storm drain | Weather/heavy rain |
| 8-Jul-13 | 10:00 AM | End of MLK BLVD (East Bank) | Outfall | S135O547 | 78.00 | 2,800,000 | TN River | Weather/heavy rain |
| 8-Jul-13 | 8:35 AM | 1900 E 25th St Place | MH | UNK ² | UNK ⁴ | 10,000 | Land/Storm drain | Weather/Heavy rain |
| 8-Jul-13 | 9:45 AM | 1803 S Orchard Knob Ave | Customer Cleanout | N/A ¹ | 48.25 | 5,000 | Land | Weather/Heavy rain |

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|-------------------------------------|----------|--|-------------------|------------------|--------------------------|------------------------|----------------------------------|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| 8-Jul-13 | 4:30 PM | 5410 Longview Dr (Hixson#1 PS) | Service line | N/A ¹ | 46.00 | 50,000 | Land/structure | Weather/Capacity |
| 8-Jul-13 | 9:00 AM | 607 N Market St | Service line | N/A ¹ | UNK ⁴ | 500 | Land/structure | Weather/heavy rain |
| 8-Jul-13 | 10:00 AM | 5716 Grubb Rd | Service line | N/A ¹ | 47.50 | 1,000 | Land | Weather/heavy rain |
| 8-Jul-13 | 1:00 PM | 109 Valleybrook Rd | Service line | N/A ¹ | 58.00 | 100 | Land | Weather/Heavy Rain |
| 8-Jul-13 | 2:10 PM | 6693 Hickory Brook Rd | MH | S138M082 | UNK ⁴ | 50,000 | Land | Weather/heavy rain |
| 8-Jul-13 | 2:10 PM | 6722 Hickory Creek Rd | MH | S138M019 | UNK ⁴ | 10,000 | Land | Weather/Heavy Rain |
| 9-Jul-13 | 9:30 AM | 4677 Adams Rd (Hixson#1 PS) | MH | S110G020 | 23.00 | 276,000 | Land | Weather/heavy rain |
| 10-Jul-13 | 10:25 AM | 4790 Gann Store Rd. (Big Ridge #1) | FM | N/A ¹ | 0.58 | 2,000 | Land | broken force main |
| 11-Jul-13 | 8:55 AM | 5205 Ooltewah Ringgold Rd. (Collegedale Pump Station) | MH | UNK ² | 16.47 | 1,000 | MH beside 1st station entry gate | Weather/Capacity |
| 11-Jul-13 | 10:00 AM | 5010 Creekside Preserve Dr | Customer Cleanout | N/A ¹ | UNK ⁴ | 5,000 | Land/ditch | Weather/Heavy rain |
| 11-Jul-13 | 9:30 AM | 1033 Lupton Dr | MH | S118K006 | 6.00 | 10,000 | Ditch (TN River) | Weather/heavy rain |
| 11-Jul-13 | 9:00 AM | 900 Sterling Ave | MH | S136H107 | 6.50 | 50,000 | Land/ditch | Weather/Heavy rain |
| 11-Jul-13 | 1:45 PM | 406 Brown Rd | MH | S158P005 | 2.25 | 10,000 | Land /creek | Weather/heavy rain |
| 12-Jul-13 | 1:00 PM | 3405 Lightfoot Mill Rd | MH | S137C013 | UNK ⁴ | 5,000 | Land | Weather/heavy rain |
| 17-Jul-13 | 9:00 AM | 4100 W 41st St | MH | S167D004 | UNK ⁴ | 1,000 | Land | Weather/heavy rain |
| 19-Jul-13 | 10:30 AM | 4238 Old Woodland Dr. | PS | N/A ¹ | 0.67 | 36,000 | MH in street | CPU Failure |

Table 2-1
Quarterly SSO Report

| April 24, 2013 - September 30, 2013 | | | | | | | | |
|-------------------------------------|------------------|--|------------------|------------------|--------------------------|------------------------|------------------|--------------------|
| Date | Time | Location | Source | MH ID # | Estimated Duration (hrs) | Estimated Volume (gal) | SSO Destination | Cause |
| | | | | | | | beside station | |
| 22-Jul-13 | UNK ³ | 648 Browns Ferry Rd, ³ Chattanooga, TN 37419 | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ | UNK ³ |
| 30-Jul-13 | 12:39 PM | 3624 Premium Drive | MH | S118B065 | 4.52 | 100 | Land | Blockage/roots |
| 2-Aug-13 | 1:20 PM | 7737 E Brainerd Road | MH | S159I009 | UNK ⁴ | 100 | Land | Blockage/Debris |
| 13-Aug-13 | 12:25 PM | 1011 Ledford Lane | MH | S100I117 | 2.08 | 5,000 | Land | Blockage/grease |
| 20-Aug-13 | 1:45 PM | 7324 Shallowford Road | MH | S149H065 | UNK ⁴ | 1,000 | Land | Blockage/grease |
| 22-Aug-13 | 7:45 AM | Shallowford Road and Airport Road | MH | S137M020 | UNK ⁴ | 10,000 | Land/creek | Weather/heavy rain |
| 22-Aug-13 | 9:30 PM | 4790 Gann Store Road (Big Ridge #1) | PS | UNK ² | 1.67 | 220,500 | Land/ditch | Electrical problem |
| 22-Aug-13 | 4:00 PM | 2109 Lynnbrook Ave | MH | S156G048 | 5.00 | 1,000 | Land | Weather/heavy rain |
| 22-Aug-13 | 6:30 PM | Shallowford Road and McDowell Street | MH | S147G104 | 2.50 | 5,000 | Land | Weather/heavy rain |
| 28-Aug-13 | 9:35 AM | Holtzclaw Ave - Orchard Knob PS | PS | N/A ¹ | 2.50 | 3,750 | Storm ditch | Air relief leaking |
| 13-Sep-13 | 10:00 AM | 316 Tucker Street | MH | S135E050 | 4.33 | 200 | Land | Blockage/trash |

¹ Not Applicable, these SSOs discharged through a source other than a manhole and does not have an ID.

² Manholes are not numbers.

³ The City of Chattanooga understands that that these SSOs were reported to TDEC and EPA directly by the owner of the property. The City was not able to verify the information related to these alleged SSOs.

⁴ This information was not available at time of reporting.

3.0 Moccasin Bend WWTP Bypasses

For the reporting period of April 24, 2013 through September 30, 2013, 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
Bypasses at Moccasin Bend WWTP

| April 24, 2013 - September 30, 2013 | | | | | | | |
|-------------------------------------|------------------|----------|---------------------|-----------------|--------------------|-----------------|------------|
| Date | Time | Location | Source | Duration (days) | Bypass Volume (MG) | Receiving Water | Cause |
| 28-Apr-13 | N/A ¹ | MBWWTP | Wet Weather Process | 3 | 158.1 | Tennessee River | Heavy Rain |
| 1-May-13 | N/A ¹ | MBWWTP | Wet Weather Process | 1 | 20.85 | Tennessee River | Heavy Rain |
| 4-May-13 | N/A ¹ | MBWWTP | Wet Weather Process | 6 | 233.4 | Tennessee River | Heavy Rain |
| 19-May-13 | N/A ¹ | MBWWTP | Wet Weather Process | 3 | 87.73 | Tennessee River | Heavy Rain |
| 10-Jun-13 | N/A ¹ | MBWWTP | Wet Weather Process | 2 | 16.54 | Tennessee River | Heavy Rain |
| 6-Jul-13 | N/A ¹ | MBWWTP | Wet Weather Process | 8 | 459.4 | Tennessee River | Heavy Rain |
| 13-Aug-13 | N/A ¹ | MBWWTP | Wet Weather Process | 1 | 14.39 | Tennessee River | Heavy Rain |

¹ This information was not available at time of reporting.

4.0 CSO Outfall Discharges

For the reporting period of April 24, 2013 through September 30, 2013 Chattanooga experienced CSO discharges from CSO outfall treatment facilities as listed in Table 4-1. The CD defines a CSO as any discharge from the combined sewer system (“CSS”) from any outfall currently identified as a permitted combined sewer overflow outfall in any Chattanooga National Pollutant Discharge Elimination System (“NPDES”) permit. 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 Discharge Report

| April 24, 2013 - September 30, 2013 | | | | | | |
|-------------------------------------|------------|--------------------------|----------------|--------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MGD) | Receiving Water | Cause |
| 19-Apr-13 | 6:21 AM | Ross's Landing CSO (006) | 2.98 | 1.9691 | Tennessee River | Rain event |
| 19-Apr-13 | 8:51 PM | Citico CSO (004) | 35.57 | 6.4448 | Tennessee River | Rain event |
| 27-Apr-13 | 2:01 AM | Carter St. CSO (009) | 3.93 | 1.2900 | Tennessee River | Rain event |
| 27-Apr-13 | 3:01 AM | Ross's Landing CSO (006) | 1.73 | 1.5831 | Tennessee River | Rain event |
| 27-Apr-13 | 3:03 AM | Central CSO (002) | 2.38 | 0.4778 | Tennessee River | Rain event |
| 28-Apr-13 | 6:16 AM | Carter St. CSO (009) | 11.53 | 2.9676 | Tennessee River | Rain event |
| 28-Apr-13 | 10:52 AM | Ross's Landing CSO (006) | 5.93 | 4.2814 | Tennessee River | Rain event |
| 28-Apr-13 | 10:32 AM | ML King CSO (007) | 2.60 | 0.2393 | Tennessee River | Rain event |
| 28-Apr-13 | 5:54 AM | Central CSO (002) | 8.48 | 3.9330 | Tennessee River | Rain event |
| 28-Apr-13 | 1:25 PM | Citico CSO (004) | 24.45 | 15.3627 | Tennessee River | Rain event |
| 28-Apr-13 | 2:19 PM | Tremont CSO (005) | 0.40 | 0.0113 | Tennessee River | Rain event |
| 4-May-13 | 11:08 AM | 19th St CSO (008) | 16.87 | 19.7365 | Tennessee River | Rain event |
| 4-May-13 | 1:23 PM | Carter St. CSO (009) | 30.49 | 26.8037 | Tennessee River | Rain event |
| 4-May-13 | 11:29 AM | ML King CSO (007) | 16.90 | 2.8060 | Tennessee River | Rain event |
| 4-May-13 | 11:56 AM | Central CSO (002) | 2.47 | 4.9356 | Tennessee River | Rain event |
| 4-May-13 | 11:58 AM | Ross's Landing CSO (006) | 20.88 | 30.7884 | Tennessee River | Rain event |
| 4-May-13 | 11:59 AM | Tremont CSO (005) | 21.70 | 3.3860 | Tennessee River | Rain event |
| 4-May-13 | 1:54 PM | Williams St CSO (003) | 22.00 | 22.0483 | Tennessee River | Rain event |

Table 4-1
Quarterly CSO Discharge Report

| April 24, 2013 - September 30, 2013 | | | | | | |
|-------------------------------------|------------|---------------------------|----------------|------------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MGD) | Receiving Water | Cause |
| 5-May-13 | 7:59 PM | 19th St CSO (008) | 14.20 | 0.5265 | Tennessee River | Rain event |
| 5-May-13 | 6:39 PM | ML King CSO (007) | 2.82 | 0.2923 | Tennessee River | Rain event |
| 6-May-13 | 4:48 PM | ML King CSO (007) | 0.85 | 0.0560 | Tennessee River | Rain event |
| 18-May-13 | 3:54 AM | 19th St CSO (008) | 0.47 | 0.0039 | Tennessee River | Rain event |
| 19-May-13 | 11:59 AM | 19th St CSO (008) | 1.12 | 0.0080 | Tennessee River | Rain event |
| 19-May-13 | 5:14 PM | Carter St. CSO (009) | 0.82 | 0.0774 | Tennessee River | Rain event |
| 5-Jun-13 | 3:12 PM | 19th St CSO (008) | 2.58 | 0.0312 | Tennessee River | Rain event |
| 5-Jun-13 | 5:06 PM | Ross's Landing CSO (006) | 0.27 | 0.0349 | Tennessee River | Rain event |
| 10-Jun-13 | 7:35 AM | 19th St CSO (008) | 2.58 | 1.8882 | Tennessee River | Rain event |
| 10-Jun-13 | 7:58 AM | Central CSO (002) | 1.48 | 1.3949 | Tennessee River | Rain event |
| 6-Jul-13 | 1:52 PM | ML King CSO (007) | 12.5 | 1.9067 | Tennessee River | Rain event |
| 6-Jul-13 | 5:14 PM | Ross's Landing CSO (006) | 2.1 | UNK ¹ | Tennessee River | Rain event |
| 6-Jul-13 | 5:42 PM | Williams Street CSO (003) | 3.83 | UNK ¹ | Tennessee River | Rain event |
| 6-Jul-13 | 12:33 PM | Central Ave. CSO (002) | 5.82 | UNK ¹ | Tennessee River | Rain event |
| 7-Jul-13 | 3:53 AM | Tremont CSO (005) | 15.27 | 1.5278 | Tennessee River | Rain event |
| 7-Jul-13 | 3:57 AM | Williams Street CSO (003) | 8.03 | 5.4842 | Tennessee River | Rain event |
| 10-Jul-13 | 9:10 PM | 19th Street CSO (008) | 13.65 | 8.9213 | Tennessee River | Rain event |
| 11-Jul-13 | 1:37 AM | Ross's Landing CSO (006) | 3.1 | 1.0529 | Tennessee River | Rain event |

Table 4-1
Quarterly CSO Discharge Report

| April 24, 2013 - September 30, 2013 | | | | | | |
|-------------------------------------|------------|--------------------------|----------------|--------------|-----------------|------------|
| Start Date | Start Time | Location/Nearest Stream | Duration (hrs) | Volume (MGD) | Receiving Water | Cause |
| 9-Aug-13 | 8:34 PM | 19th St CSO (008) | 0.27 | 0.0373 | Tennessee River | Rain event |
| 10-Aug-13 | 2:20 PM | 19th St CSO (008) | 0.18 | 0.0413 | Tennessee River | Rain event |
| 12-Aug-13 | 10:28 PM | 19th St CSO (008) | 2.27 | 3.5163 | Tennessee River | Rain event |
| 13-Aug-13 | 2:26 PM | 19th St CSO (008) | 0.35 | 0.0034 | Tennessee River | Rain event |
| 22-Aug-13 | 4:33 PM | Carter St. CSO (009) | 1.03 | 2.0652 | Tennessee River | Rain event |
| 22-Aug-13 | 7:06 PM | 19th St CSO (008) | 0.05 | 0.0001 | Tennessee River | Rain event |
| 22-Aug-13 | 4:18 PM | Ross's Landing CSO (006) | 0.67 | 1.0695 | Tennessee River | Rain event |
| 24-Aug-13 | 10:59 PM | 19th St CSO (008) | 0.12 | 0.0103 | Tennessee River | Rain event |
| 30-Aug-13 | 2:08 PM | Carter St. CSO (009) | 0.43 | 0.1156 | Tennessee River | Rain event |
| 21-Sep-13 | 9:49 AM | 19th St CSO (008) | 2.22 | 0.2238 | Tennessee River | Rain event |
| 21-Sep-13 | 9:49 AM | Ross's Landing CSO (006) | 2.23 | 2.7531 | Tennessee River | Rain event |

¹ The unknown volumes for these CSO discharges were due to telemetry failure which resulted in the information not being available at the time of reporting.

Appendix A
EPA Approval of Reporting Change Request



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960
SEP 16 2013

Reed
SEP 16 2013

OK

CERTIFIED MAIL 7012 1010 0001 8097 1952
RETURN RECEIPT REQUESTED

Ms. Alice Cannella, P.E.
Director, Waste Resources Division
City of Chattanooga
455 Moccasin Bend Road
Chattanooga, Tennessee 37405

Re: City of Chattanooga, Tennessee Consent Decree
Section IX. Reporting Requirements
Request to change reporting schedules

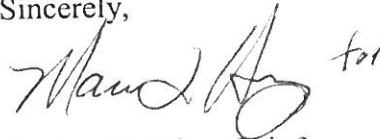
Dear Ms. Cannella:

The United States Environmental Protection Agency Region 4 is in receipt of the City of Chattanooga's (the City) letter dated August 29, 2013, regarding the above referenced matter. Specifically, the City has requested that the Quarterly Reports (required by Paragraph 38. of the Consent Decree) be submitted based upon a Calendar Quarter, as defined in the Consent Decree. The City also requested the Semi-Annual and Annual Work Progress Reports' (required by Paragraph 39. of the Consent Decree) and Annual Reports' (required by Paragraph 40. of the Consent Decree) reporting periods and submittal dates be changed as well.

The EPA is in agreement and hereby approves these requests to change the submittal dates and reporting periods covered by the required reports. Therefore, the first Quarterly Report (Section IX., Paragraph 38.), for the period of April 24, 2013, through September 2013, is due to the EPA on October 30, 2013, and each subsequent Quarterly Report shall be submitted 30 days after the end of the respective Calendar Quarter, as defined in the Consent Decree. The first Semi-Annual and Annual Work Progress Report (Section IX., Paragraph 39.), for the period of April 24, 2013, through December 31, 2013, shall be due to the EPA on January 30, 2014, and each subsequent Semi-Annual and Annual Work Progress Report shall be due six months afterward. The first Annual Report (Section IX., Paragraph 40.), for the period of April 24, 2013, through December 31, 2013, shall be due to the EPA on March 1, 2014, and each subsequent Annual Report shall be due one year afterward.

If you should have any further questions regarding this matter, please contact Ms. Sara Schiff at (404) 562-9870 or email at schiff.sara@epa.gov. Legal inquiries should be addressed to Mr. Bill Bush at (404) 562-9538 or email at bush.william@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Denisse D. Diaz", with a small "for" written to the right of the signature.

Denisse D. Diaz, Chief
Clean Water Enforcement Branch
Water Protection Division

cc: Mr. Karl Fingerhood
U.S. Department of Justice
Washington, D.C.

Mr. Phillip Hilliard
Office of the Attorney General

Ms. Jessica Murphy
Tennessee Department of Environment and Conservation

Mr. Donald L. Norris
City of Chattanooga, Tennessee

Mr. Wade Hinton
City of Chattanooga, Tennessee

Mr. Adam Sowatzka
King & Spalding LLP

Ms. Stephanie Matheny
Tennessee Clean Water Network