



# City of Chattanooga

Mayor Andy Berke

January 31, 2021

VIA CERTIFIED MAIL

Mr. Richard Elliott  
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*  
Annual Work Progress Report No. 14 – January 2020 to December 2020**

Dear Mr. Elliott:

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 fourteenth annual work progress report required pursuant to paragraph 39 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.*

Mr. Richard Elliott

January 31, 2021

Page Two

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

Sincerely,



Jeffrey A. Rose, P.E.  
Director, Waste Resources Division

Enclosure

cc: Karl Fingerhood, Esq., US DOJ  
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# Annual Work Progress Report No. 14

**January 1 – December 31, 2020**

*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

February 1, 2021



# Contents

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	Appendix .....	iii
<b>1.0</b>	<b>Executive Summary .....</b>	<b>1</b>
<b>2.0</b>	<b>Introduction .....</b>	<b>4</b>
	2.1 Purpose .....	4
	2.2 Requirements .....	4
	2.3 Report Structure .....	4
<b>3.0</b>	<b>Work Progress.....</b>	<b>6</b>
	3.1 Capacity, Management, Operations and Management (“CMOM”) Programs .....	6
	3.1.1 CMOM-Sewer Overflow Response Protocol (“SORP”) (completed).....	6
	3.1.2 CMOM-Emergency Response Plan (completed) .....	6
	3.1.3 CMOM-FOG Mgmt. Plan (completed) .....	6
	3.1.4 CMOM-Gravity Line Preventive Maintenance Program (“GLPMP”) (completed).....	6
	3.1.5 CMOM-PS Operations Program (“PSOP”) (completed) .....	6
	3.1.6 CMOM-PS Preventive Maintenance Program (“PSPMP”) (completed)....	6
	3.1.7 CMOM-Hydraulic Model Development (completed) .....	6
	3.1.8 CMOM-CAP (completed).....	6
	3.1.9 CMOM-Inter-Jurisdictional Agreement Program (completed).....	7
	3.2 Sanitary Sewer Evaluation Study (“SSES”) Work Plan (completed) .....	7
	3.2.1 Focused SSES and Rehabilitation-Chattanooga Creek 4 (completed) ....	7
	3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3 (completed).....	7
	3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1 Phase 1 & Phase 2 .....	7
	3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5 (completed).....	8
	3.2.5 Focused SSES and Rehabilitation-South Chickamauga Creek 16 (completed).....	8
	3.2.6 Focused SSES and Rehabilitation-Tennessee River 8 Sewer Improvements .....	8
	3.3 Early Action Capital Improvement Projects .....	8
	3.3.1 SSO and Wet Weather Volume Reduction Projects .....	8
	3.3.2 MBWWTP Projects.....	10
	3.3.3 CSO Projects .....	10
	3.3.4 Operations Projects .....	11
	3.4 Long Term Control Plan (“LTCP”) Updates .....	11
	3.4.1 LTCP-Additional Operational Plan (“AOP”) (completed) .....	11
	3.4.2 LTCP-Post Construction Compliance Monitoring Program (completed)..	11
	3.5 MBWWTP Process Controls Program (completed) .....	11
	3.6 Green Infrastructure (“GI”) Program Plan for CSS Basins (completed) .....	12
	3.7 Civil Penalty .....	12
	3.7.1 Cash Payment (completed) .....	12
	3.7.2 Highland Park GI Demonstration Project (completed).....	12

3.8	Agawela Drive Stream Restoration – SEP (completed).....	12
3.9	Reporting Requirements .....	12
3.10	Stipulated Penalties .....	13
<b>4.0</b>	<b>Additional Work.....</b>	<b>15</b>
4.1	201 Facility Plan Update (completed).....	15
4.2	MBWWTP Backup Electrical Power (completed) .....	15
4.3	Citico Pump Station and CSOTF Upgrades (completed).....	15
4.4	South Chick Pump Station Phase II and Spring Creek Pump Station Upgrades (Completed).....	15
4.5	Carter Street Sewer Rehabilitation (completed) .....	16
4.6	MBWWTP – Detritors Rehabilitation (completed).....	16
4.7	Friar’s Branch-South Chick Creek 5 Interceptor Rehabilitation (Completed) .....	16
4.8	MBWWTP-Control Room Upgrades (completed) .....	16
4.9	Citico Pump Station Reliability Improvements (Completed).....	16
4.10	Brainerd Golf Course Pump Station Safety Upgrade.....	17
4.11	Wet Weather Combined Sewer Storage – Phase 1, 2 & 3 .....	17
4.12	MBWWTP Secondary Clarifier Upgrades and Additions (completed).....	17
4.13	CSOTF Study (completed).....	17
4.14	CSOTF Improvements – Phase 1 .....	17
4.15	Dobbs Branch Basin Improvements – Phase 1 .....	18
4.16	Dobbs Branch Basin Improvements – Phase 2 .....	18
4.17	South Chickamauga Interceptor Improvements – Phase 1 (Completed) .....	18
4.18	Selected Pump Station Safety Upgrades .....	18
4.19	MBWWTP Wet Weather Response Team .....	19
4.20	Implementation of CD GI Projects in the CSS (Completed).....	19
4.21	Wet Weather Storage Phase 4 – South Chickamauga Pump Station.....	19
4.22	Citico Pump Station Improvements .....	19
4.23	Critical Pump Station Improvements Master Plan .....	19
4.24	CSOTF Equipment Replacement Program .....	19
4.25	Lupton Drive Chronic SSO Elimination Project.....	20
4.26	Riverview Park/CGCC Chronic SSO Elimination Project.....	20
4.27	South Chick Creek 2, 3, & 4 Interceptor Rehab.....	20
4.28	VAAP Pump Station Upgrade .....	20
4.29	Pump Station Improvements – Hixson 2 .....	20
4.30	Tiftonia Pump Station 1 Safety Upgrade .....	21
4.31	ISS Capacity Improvements – Creekside Preserve.....	21
4.32	Wet Weather Storage Phase 6 – Hixson Pump Station 1 .....	21
4.33	Environmental and Economic Infrastructure Improvement Plan (“E2I2”) SSO Abatement Program .....	21
4.34	MBWWTP Renewable Energy Project (Completed).....	22
4.35	MBWWTP Solids Process Optimization Implementation – Phase 2 (Thickener Upgrade) .....	22
4.36	MBWWTP EQ Blower Replacement .....	22
4.37	MBWWTP Warehouse Improvements.....	22
4.38	MBWWTP EQ – UNOX Piping Improvements.....	22
4.39	MBWWTP Water Use and Reuse Implementation .....	23
4.40	Tiftonia Pump Station 2 Safety Upgrade .....	23

4.41	MBWWTP SCADA Master Plan – Phase 1 .....	23
4.42	MBWWTP Improvements – Centrifuge Upgrades .....	23
4.43	Secondary Clarifier Flow Meter & Gate Replacement .....	23
4.44	Citico Force Main Rehabilitation.....	23
4.45	Implementation of Vulnerability Recommendations.....	24
4.46	Mountain Creek Pump Station Improvements .....	24

## Appendix

### A Project Schedules Gantt Chart

#### Tables

1-1	Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period .....	1
1-2	Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period.....	2

# Acronyms and Abbreviations

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ARAP	Aquatic Resource Alteration Permit
CAP	Capacity Assurance Program
CD	Consent Decree
CIPP	Cured in Place Pipe
CMOM	Capacity, Management, Operations, and Management
CSO	Combined Sewer Overflow
CSOTF	Combined Sewer Overflow Treatment Facility
CSS	Combined Sewer System
EFT	Electronic Funds Transfer
EPA	Environmental Protection Agency
ESIP	Enterprise South Industrial Park
FOG	Fats, Oils, and Grease
FSE	Food Service Establishments
GLPMP	Gravity Line Preventative Maintenance Program
HVAC	Heating, Ventilation, and Air Conditioning
I/I	Inflow and Infiltration
IPS	Influent Pump Station
ISS	Interceptor Sewer System
LF	Linear Feet
LTCP	Long Term Control Plan
MBWWTP	Moccasin Bend Wastewater Treatment Plant
MCC	Motor Control Center
MGD	Million Gallons per Day
N/A	Not Applicable
NOAA	National Oceanic and Atmospheric Administration
NPDES	National Pollution Discharge Elimination System
NTP	Notice to Proceed



PCP	Process Controls Program
PCCMP	Post Construction Compliance Monitoring Program
PDR	Public Document Repository
PLC	Programmable Logic Controller
PS	Pump Station
PSOP	Pump Station Operations Program
PSPMP	Pump Station Preventive Maintenance Program
RDII	Rain-derived Infiltration and Inflow
RFQ	Request for Quotation
SCADA	Supervisory Control and Data Acquisition
SOP	Standard Operating Procedure
SORP	Sewer Overflow Response Protocol
SRF	State Revolving Funds
SSES	Sanitary Sewer Evaluation Study
SSO	Sanitary Sewer Overflow
SUO	Sewer Use Ordinance
TCWN	Tennessee Clean Water Network
TDEC	Tennessee Department of Environment and Conservation
TDOT	Tennessee Department of Transportation
USDOJ	United States Department of Justice
VFD	Variable Frequency Drive
WCTS	Waste Collection and Transmission System
WRD	Waste Resources Division
WWTA	Wastewater Treatment Authority

# 1.0 Executive Summary

On April 24, 2013, the City of Chattanooga (“City”) 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”). This Annual Work Progress Report (“Report”) has been prepared pursuant to the requirements of paragraph 39 of the CD. In accordance with the CD, this Report presents the major milestones achieved in the last 12 months, and also provides projections for activities anticipated to be completed in the following 12 months. This Report presents milestones achieved from January 1, 2020 through December 31, 2020 (“Report Period”), and the projections cover the period of January 1, 2021 through December 31, 2021.

During the Report Period, the City developed and submitted the deliverables that are listed in Table 1-1 to the Environmental Protection Agency (“EPA”) and the Tennessee Department of Environment and Conservation (“TDEC”) for review and approval. This information is also presented in Gantt chart format in Appendix A.

**Table 1-1**

Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period

CD Projects and Deliverables	CD Reference	CD Deadline	Submittal Date/ Completion Date
Quarterly Report No. 26	Section IX., para 38	1/31/2020	1/31/2020
Quarterly Report No. 27	Section IX., para 38	4/30/2020	4/30/2020
Quarterly Report No. 28	Section IX., para 38	7/31/2020	7/31/2020
Quarterly Report No. 29	Section IX., para 38	10/31/2020	10/31/2020
Semi-Annual Work Progress Report No. 13	Section IX., para 39	1/31/2020	1/31/2020
Annual Report 7	Section IX., para 40	2/29/2020	3/2/2020
South Chickamauga Interceptor Improvements - Phase 1*	Section IX., para 39(c)	N/A	12/16/2020
MBWWTP Renewable Energy Project*	Section IX., para 39(c)	N/A	11/30/2020
South Chick PS Phase II and Spring Creek PS Upgrades*	Section IX., para 39(c)	N/A	11/30/2020
Citico Pump Station Reliability Improvements*	Section IX., para 39(c)	N/A	12/31/2020
Friars Branch-South Chick Creek 5 Interceptor Rehabilitation*	Section IX., para 39(c)	N/A	12/31/2020

\* Additional project per paragraph 39(c) of CD

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming annual period of January 1, 2021 through December 31, 2021. This information is also available in Gantt chart format in Appendix A

**Table 1-2**

Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period

CD Projects and Deliverables	CD Reference	CD Deadline	Anticipated Submittal/ Completion Date
Quarterly Report No. 30	Section IX., para 38	1/31/2021	1/31/2021
Quarterly Report No. 31	Section IX., para 38	4/30/2021	4/30/2021
Quarterly Report No. 32	Section IX., para 38	7/31/2021	7/31/2021
Quarterly Report No. 33	Section IX., para 38	10/31/2021	10/31/2021
Annual Work Progress Report No. 14	Section IX., para 39	1/31/2021	1/31/2021
Annual Report 8	Section IX., para 40	2/28/2021	2/28/2021
Focused SSES and Rehab – South Chick Creek 1 – Phase 2	Section VI., para 21	7/30/2020	9/22/2021
DuPont PS and Basin Improvements – Phase 2	Section VI., para 22	6/24/2020	10/11/2021
LTCP – AOP Implementation	Section VI., para 24	5/04/2022	11/10/2021
Maximizing Treatment at MBWWTP – Feasibility Analysis	Section VI., para 24	9/30/2021	05/30/2021
Critical PS Improvements Master Plan*	Section IX., para 39(c)	N/A	3/5/2021
Wet Weather Combined Sewer Storage - Phase 1, 2, & 3*	Section IX., para 39(c)	N/A	4/30/2021
MBWWTP Solids Process Optimization Implementation - Phase 2 (Thickener Upgrade)*	Section IX., para 39(c)	N/A	6/20/2021
CSOTF Improvement - Phase 1*	Section IX., para 39(c)	N/A	11/15/2021
Dobbs Branch Basin Improvements - Phase 2*	Section IX., para 39(c)	N/A	11/28/2021
Dobbs Branch Basin Improvements - Phase 1*	Section IX., para 39(c)	N/A	12/15/2021
MBWWTP SCADA Master Plan – Phase 1*	Section IX., para 39(c)	N/A	02/28/2021

\* Additional project per paragraph 39(c) of CD

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## 2.0 Introduction

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### 2.1 Purpose

Pursuant to Section IX, paragraph 39, of the CD, the City is required to submit work progress reports on an annual basis to the EPA and TDEC. Chattanooga has prepared this Report to satisfy this reporting requirement.

### 2.2 Requirements

As detailed in Section IX of the CD, the City is required to report the following information concerning compliance with the remedial actions set forth under the CD:

1. A description of projects and activities completed and milestones achieved during the previous 12-month period pursuant to the requirements of the CD, in Gantt chart or similar format, including a description of compliance or non-compliance with the requirements of the CD and, if applicable, the reasons for non-compliance;
2. A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive 12-month period to comply with the requirements of the CD, in Gantt chart or similar format; and
3. Any additional information the City determines is appropriate to demonstrate that the City is implementing the remedial actions required under the CD in an adequate and timely manner.

### 2.3 Report Structure

Work progress is presented in the body of the Report in a narrative format. This narrative includes a brief description of each CD project, as well as any activities completed or milestones that were achieved or are anticipated to be completed. In addition to these descriptions, a detailed schedule containing each of the projects in Gantt format is provided in Appendix A.

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## **3.0 Work Progress**

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### **3.1 Capacity, Management, Operations and Management (“CMOM”) Programs**

#### **3.1.1 CMOM-Sewer Overflow Response Protocol (“SORP”) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

#### **3.1.2 CMOM-Emergency Response Plan (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

#### **3.1.3 CMOM-FOG Mgmt. Plan (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016. A revised FOG Plan was submitted to the EPA on September 28, 2016 and approved on December 7, 2016.

#### **3.1.4 CMOM-Gravity Line Preventive Maintenance Program (“GLPMP”) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

#### **3.1.5 CMOM-PS Operations Program (“PSOP”) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

#### **3.1.6 CMOM-PS Preventive Maintenance Program (“PSPMP”) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

#### **3.1.7 CMOM-Hydraulic Model Development (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

#### **3.1.8 CMOM-CAP (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017.

### **3.1.9 CMOM-Inter-Jurisdictional Agreement Program (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 4 submitted July 24, 2015.

## **3.2 Sanitary Sewer Evaluation Study (“SSES”) Work Plan (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016. As part of the implementation of the plan, the following Phase I rehabilitation projects are being executed as described below.

### **3.2.1 Focused SSES and Rehabilitation-Chattanooga Creek 4 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

### **3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

### **3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1 Phase 1 & Phase 2**

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The South Chickamauga Creek 1 sewer sub-basin consists of approximately 81,809 linear feet (LF) of sanitary sewer piping, ranging from 4-inch to 84-inch diameter.

Phase 1 – This work has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

Phase 2 - Based on the results of the SSES as part of Phase 1, it was determined at the time that a PS would be installed to eliminate portions of the gravity sewer located in the flood plain to increase Inflow and Infiltration (“I/I”) removal, and improve maintenance and reliability of the collection system infrastructure in the basin. The NTP for professional services was issued on August 13, 2018. As the project progressed, the consultant determined that assessment and rehabilitation of approximately 6,000 LF of gravity sewer pipeline in the South Chickamauga Creek area will be the final project scope. The assessment recommended rehabilitation of the pipeline where necessary using trenchless technology methods. The design was completed and approved in February 2019 and the bid opening occurred on July 11, 2019. Construction is expected to be completed second half of 2021.



### **3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5 (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

### **3.2.5 Focused SSES and Rehabilitation-South Chickamauga Creek 16 (completed)**

This project represents 1 of the 5 Phase I priority sewer sub-basins. This project has been completed. See Semi-Annual Report No. 5 submitted January 27, 2016.

### **3.2.6 Focused SSES and Rehabilitation-Tennessee River 8 Sewer Improvements**

The project involves a Sanitary Sewer Evaluation Study (SSES) in the Tennessee River 8 sewer sub-basin on approximately 96,300 linear feet of pipe to identify areas where unwanted groundwater or stormwater can infiltrate the sanitary sewer system. From the SSES, approximately 38,500 linear feet of sewer and service pipeline and 400 manholes will be repaired or replaced. Approximately 3,700 linear feet of 8 and 10-inch sewer will also be upgraded to 12-inch. The NTP for professional services was issued on January 13, 2021. Construction is anticipated to start in the second half of 2021.

## **3.3 Early Action Capital Improvement Projects**

### **3.3.1 SSO and Wet Weather Volume Reduction Projects**

#### **3.3.1.1 DuPont Pump Station and Basin Improvements – Phase 1 and Phase 2**

The DuPont PS and Basin Improvements Phase 1 (completed) and 2 projects are being performed pursuant to Paragraph 22 and Appendix C of the CD.

Phase 1 This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

Phase 2 The original plan called for the design and construction of approximately 7.5 million gallons of wet weather storage and a new wet weather PS at the DuPont PS site. Prior to the start of construction in the first half of 2017, public concern of the nature of the project grew and the City undertook an analysis of potential alternatives. In 2018, the City developed a new plan which calls for the re-design and construction of an approximately 22 Million Gallons per Day (“MGD”) new wet weather PS further downstream of the existing DuPont PS site on City owned property in a commercial area where the DuPont-Lupton City interceptors merge. The re-design also includes a new diversion structure, standby generator, and upsizing of approximately 7,000 LF section of gravity interceptors. The re-design was completed and approved in October 2019. Successful bids for both pump stations and pipeline contract were received by February 13, 2020. Construction is expected to be completed second half of 2021.

We note that on August 23, 2018, the City submitted a letter to EPA pursuant to paragraph 57 of the Consent Decree, detailing the following with respect to this project: an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay; Chattanooga’s rationale for attributing such delay to a force majeure event if it intends to assert such a claim; and a statement

as to whether, in the opinion of Chattanooga, such event may cause or contribute to an endangerment to public health, welfare, or the environment.

**3.3.1.2 Collegedale Pump Station Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017.

**3.3.1.3 East Brainerd Collection System and Pump Station Rehabilitation (completed)**

Collections System Rehabilitation- This work has been completed. See Semi-Annual Report No. 5 submitted January 27, 2016.

PS Rehabilitation- This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

**3.3.1.4 Altamont Sewer Basin and Pump Station Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.5 Pineville Pump Station and Sewer Basin Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

**3.3.1.6 Citico Creek Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.7 Highland Park Sewer Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

**3.3.1.8 Citico CSOTF Pump Station Improvement Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

**3.3.1.9 Tremont Area Sewer Separation Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 2 submitted July 28, 2014.

**3.3.1.10 Enterprise South Industrial Park (“ESIP”) Pump Station, Force Main and Interceptor Upgrade (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

**3.3.1.11 Orchard Knob Pump Station Improvements (completed)**

This work has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

**3.3.1.12 Friars Branch Pump Station Improvements (completed)**

This project has been substantial completed. See Semi-Annual Work Process Report No.12 submitted July 31, 2019.

**3.3.1.13 Friars Branch Basin Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

**3.3.1.14 Chattanooga Creek Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.1.15 Tannery Flats Interceptor Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.1.16 East Bank/West Bank (“EB/WB”) Flow Monitoring (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.2 MBWWTP Projects****3.3.2.1 MBWWTP Secondary Clarifier Valve Motor Operator Replacement (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

**3.3.2.2 MBWWTP Hydraulic and Pump Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

**3.3.2.3 MBWWTP Bar and Fine Screen Replacements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

**3.3.2.4 MBWWTP Effluent Disinfection System Upgrade (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.3 CSO Projects****3.3.3.1 Carter Street CSOTF Sewer Outfall Replacement (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

**3.3.3.2 Automation of Valve Operators at CSO Facilities (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 1 submitted January 30, 2014.

### **3.3.4 Operations Projects**

#### **3.3.4.1 South Chickamauga Pump Station Reliability Improvements (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 1 submitted January 30, 2014.

#### **3.3.4.2 MBWWTP Telemetry and Supervisory Control and Data Acquisition (“SCADA”) Upgrades (Completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

### **3.4 Long Term Control Plan (“LTCP”) Updates**

#### **3.4.1 LTCP-Additional Operational Plan (“AOP”) (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 9 submitted January 29, 2018.

#### **3.4.2 LTCP-Post Construction Compliance Monitoring Program (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

#### **3.4.3 LTCP – AOP Implementation**

This project is a result of the recommendations in the AOP for the Chattanooga Creek CSO Outfalls (Central Avenue CSO and William Street CSO) approved by the EPA on February 1, 2018. This plan will augment Chattanooga’s current CSO control measures with additional long-term controls that will ensure that discharges from these CSO’s comply with State water quality standards, specifically the design and installation of Peracetic Acid (“PAA”) disinfection systems for the CSO outfalls. The NTP for professional services was issued June 11, 2019. Construction is estimated to be completed in the second half of 2021.

#### **3.4.4 Maximizing Treatment at MBWWTP – Feasibility Analysis**

This project includes the development of a feasible alternatives analysis to assess the implementation of any feasible alternatives to prevent the bypass of flow from any treatment process at the MBWWTP that would violate the plant’s NPDES permit following the completion of the Phase 1 Consent Decree projects. The NTP for professional services was issued on January 13, 2021. This project is expected to be completed in the first half of 2021.

### **3.5 MBWWTP Process Controls Program (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 3 submitted January 27, 2015.

### **3.6 Green Infrastructure (“GI”) Program Plan for CSS Basins (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 5 submitted January 27, 2016.

### **3.7 Civil Penalty**

Compliance with Section VII of the CD requires the payment of the sum of \$476,400 as a civil penalty. Payment of the civil penalty is to be made as follows:

- Cash Payment – 50% of the civil penalty (\$238,200) is to be paid to the United States by FedWire Electronic Funds Transfer. This payment was made to EPA on May 17, 2013.
- State Project – the remaining 50% of the civil penalty is to be spent on the state project in accordance to Appendix D of the CD.

#### **3.7.1 Cash Payment (completed)**

In accordance with Paragraph 29 of the CD, the cash payment of \$238,200 was made to EPA on May 17, 2013.

#### **3.7.2 Highland Park GI Demonstration Project (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

### **3.8 Agawela Drive Stream Restoration – SEP (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 10 submitted July 30, 2018.

### **3.9 Reporting Requirements**

Compliance with Section IX of the CD requires the City to submit the following reports on a calendar schedule:

- Quarterly Reports, including detailed information on Chattanooga’s Sanitary Sewer Overflows (SSOs), CSO discharges and bypasses at the MBWWTP;
- Annual Work Progress Reports, including CD deliverable milestones achieved in the last 12 months and projections for activities anticipated to be completed in the following 12 months; and
- Annual Reports, including trends and analyses of the results of the Chattanooga CD programs including CMOM and SSO reduction programs.

To date, the following reports have been submitted to the EPA:

- Quarterly Reports 1 – 29;
- Semi-Annual Work Progress Reports 1 – 13, and
- Annual Report 1 - 7.

The following reports will be submitted to the EPA during (or shortly after) the next Reporting Period:

- Quarterly Reports 30 - 33;
- Annual Work Progress Report 14, and
- Annual Report 8.

### **3.10 Stipulated Penalties**

Paragraph 48 of the CD sets forth the nine categories of CD violations or milestones subject to stipulated penalties under the CD. On June 24, 2019, the United States Environmental Protection Agency made a demand for stipulated penalties in the amount of \$188,000, covering the period of January 1, 2018 through December 31, 2018 under the Consent Decree. The payment was made July 25, 2019.

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## **4.0 Additional Work**

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According to paragraph 39(c) of the CD, the City is required to include in this Report “any additional information Chattanooga determines is appropriate to demonstrate that Chattanooga is implementing the remedial actions required under this Consent Decree in an adequate and timely manner.” The purpose of this section is to address this requirement of the CD.

In addition to the work progress achieved in accordance with the CD as described in the previous sections, the City continued to implement remedial and improvement efforts under the existing Capital Improvement Program during the Reporting Period. The work described below is aimed at assessing and improving Chattanooga’s Interceptor Sewer System (“ISS”). While not required by the CD, these projects directly impact Chattanooga’s on-going effort to reduce and eliminate SSOs.

### **4.1 201 Facility Plan Update (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 7 submitted January 25, 2017.

### **4.2 MBWWTP Backup Electrical Power (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 6 submitted July 27, 2016.

### **4.3 Citico Pump Station and CSOTF Upgrades (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

### **4.4 South Chick Pump Station Phase II and Spring Creek Pump Station Upgrades (Completed)**

South Chick PS Phase II and Spring Creek PS Upgrades project will evaluate and design additional reliability improvements for the South Chickamauga Creek PS, including replacement



of the sluice gates and bar screens and rehabilitation of the PS wet well. This project also evaluated and designed improvements for the Spring Creek PS in order to meet or exceed the rated capacity of the existing PS. Improvements for both PSs have been scoped under a single contract. This project also included the rehabilitation of 1,200 feet of interceptor pipeline. Manhole rehabilitation was also part of the project with 16 manholes repaired or replaced. This portion of the project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

Additional evaluation of the Spring Creek PS force main using SmartBall technology was performed October 11, 2017. Smartball inspection was completed on June 1, 2020. This project was completed on November 30, 2020.

#### **4.5 Carter Street Sewer Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

#### **4.6 MBWWTP – Detritors Rehabilitation (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 11 submitted January 29, 2019.

#### **4.7 Friar’s Branch-South Chick Creek 5 Interceptor Rehabilitation (Completed)**

This project involves the rehabilitation of portions of the collection system in the Friars Branch and South Chickamauga Creek 5 Sub Basins using trenchless technologies. Approximately 23,640 LF of gravity sewer line was identified for evaluation. Trenchless rehabilitation allows the City to conduct the repairs while limiting disturbances to the areas near the work site. The NTP for professional services was awarded on August 6, 2015 and SSES investigations were conducted on approximately 23,640 LF of sewer line. From the results of the SSES, approximately 9,469 LF of sanitary sewer pipeline, and associated manholes were designated to be rehabilitated. The NTP for professional services was awarded on August 6, 2015. The design was completed and approved in November of 2017, bidding was completed in February of 2018 and construction commenced March 2018. Construction was completed on December 31, 2020.

#### **4.8 MBWWTP-Control Room Upgrades (completed)**

This project has been completed. See Semi-Annual Work Progress Report No.12 submitted July 31, 2019.

#### **4.9 Citico Pump Station Reliability Improvements (Completed)**

This project involves making improvements to the Citico PS to provide backup of the station for emergency and maintenance situations. The improvements include the addition of a backup emergency submersible PS and a permanent emergency standby generator. In addition, a condition assessment of the large diameter force main pipelines going from the station will be conducted and necessary rehabilitation will be performed. The NTP for professional services was

issued November 23, 2016. Construction bidding for the PS began May 16, 2017, and construction began on September 1, 2017. Preliminary fieldwork for the force main began in November of 2019. This project was completed on December 31, 2020.

## **4.10 Brainerd Golf Course Pump Station Safety Upgrade**

This project involves making safety improvements to the East Brainerd Golf Course PS. This work includes the replacement and upgrade of the existing pumps, piping, valves, electrical and instrumentation equipment. The NTP for professional services was issued September 19, 2017, and TDEC approval was received on February 13, 2019. This project and Selected PS Safety Upgrades (section 4.18) will be bundled, bid, and constructed as one construction contract. Bidding was opened on February 2, 2020. This project is currently on-hold.

## **4.11 Wet Weather Combined Sewer Storage – Phase 1, 2 & 3**

This project will construct Phase 1, 2 & 3 of wet weather storage system at the Hamm Rd site, which will store peak wet weather flows, reduce flows to West Bank Overflow, and meet the future capacity. The NTP for professional services was awarded on November 3, 2017, and the PER was completed on June 15, 2018. Bidding began November 6, 2018. Final design was completed on October 23, 2018 and construction started on March 25, 2019. Construction is estimated to be completed in the first half of 2021.

## **4.12 MBWWTP Secondary Clarifier Upgrades and Additions (completed)**

This project has been completed. See Semi-Annual Work Progress Report No.12 submitted July 31, 2019.

## **4.13 CSOTF Study (completed)**

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 2017.

## **4.14 CSOTF Improvements – Phase 1**

This project stems from the Combined Sewer Overflow Treatment Facility (CSOTF) Optimization Plan, a three-phased approach to maximizing the use of storage and treatment in 7 CSOTFs within the City's sewer system. The first phase will include a PER for phase 1 through 3, which includes upgrades to the manual controls and the addition of equipment and automated controls. Phase 1 implementation will include manual and remote control of the CSOTFs. In addition to the PER, the selected Consultant will also conduct two workshops: 1) a Basis of Design workshop, and 2) a workshop to discuss the draft PER. The Basis of Design workshop will include discussion on transition during construction, future needs, operational requirements, and maintenance requirements. The NTP for professional services was issued on November 16, 2018. Design is expected to be completed in the first half of 2021 and construction is expected begin in the end of second half of 2021.

## **4.15 Dobbs Branch Basin Improvements – Phase 1**

This project involves the creation of construction documents for the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 3 and 4. The construction documents will provide rehabilitation for sewer segments and associated manholes that have not previously been restored. Pipeline rehabilitation methods will include cured-in-place-pipe (“CIPP”), point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 138,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. The NTP for professional services was issued on September 25, 2018. Smoke testing was completed on December 19, 2018. First draft PER was submitted on March 1, 2019. 90% design was submitted on June 7, 2019. Bidding was opened on January 16, 2020. Construction is expected to be completed in the second half of 2021.

## **4.16 Dobbs Branch Basin Improvements – Phase 2**

This project involves the creation of construction documents for the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 5 and 6. The construction documents will provide rehabilitation for sewer segments and associated manholes that have not previously been restored. Pipeline rehabilitation methods will include CIPP, point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 137,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. The NTP for professional services was issued on October 16, 2018. Smoke testing was completed on December 21, 2018. First draft of PER was submitted on February 5, 2019, and the Program Manager completed review on February 26, 2019. 90% design was submitted on May 24, 2019. Bidding is scheduled on January 23, 2020. Construction is expected to be completed in the second half of 2021.

## **4.17 South Chickamauga Interceptor Improvements – Phase 1 (Completed)**

This project involves the rehabilitation of approximately 4,000 LF of 60-inch interceptor pipeline and selected manholes in the South Chickamauga Creek basin. Pipeline rehabilitation methods will include CIPP, point repairs, and open cut replacement. The NTP for professional services was issued on October 26, 2018. Plans and specs were submitted to LDO for final review on February 22, 2019. SRF approved plans and specs on May 10, 2019. Bid opening was commenced on June 20, 2019. Construction was completed on December 16, 2020.

## **4.18 Selected Pump Station Safety Upgrades**

This project involves the evaluation, design, and construction of new (replacement) wastewater PSs at two locations: Murray Hills 5, off of Webb Road and Brainerd Manor located off of Moore Road, near the airport. The existing stations are “can” stations and are in need of new standard PSs utilizing the existing design criteria. The NTP for professional services was issued on July

26, 2018. The PER was approved on November 5, 2018. 90% design was submitted and reviewed by the City on March 14, 2019. Final design was reviewed and approved by the City on May 2, 2019. This project is currently on-hold.

## **4.19 MBWWTP Wet Weather Response Team**

This project will evaluate the effect of wet weather events on the various City sewers, CSOTFs, PSs, and MBWWTP to improve operation efficiency and reduce SSOs. This is an on-going evaluation, optimization, and real-time support to the City during rain events. The NTP for professional services was issued on October 16, 2018. Project budget is sufficient for 13 wet weather event responses, and the consultant has covered 10 wet weather events to date. A new standard operating procedure (SOP) was implemented with coordination from plant management in the first half of 2019. Updated SOP is in review. This project is an on-going evaluation and is expected to be completed in the second half of 2022.

## **4.20 Implementation of CD GI Projects in the CSS (Completed)**

This project has been completed. See Semi-Annual Work Progress Report No.13 submitted January 31, 2020.

## **4.21 Wet Weather Storage Phase 4 – South Chickamauga Pump Station**

This project will construct 10 MG of wet weather storage near the South Chickamauga PS located off of N. Hawthorne St. The NTP for professional services was issued on February 15, 2019 and the draft PER was submitted on June 24, 2019. 60% design is in review. Construction is expected to begin in the second half of 2021.

## **4.22 Citico Pump Station Improvements**

This project involves capital improvements to the Citico PS, including the following upgrades and improvements: (1) New motor control center (“MCC”), (2) New pumps, motors, and drives, (3) The wet well cleaned and coated. The NTP for professional services was issued on October 28, 2019. Construction is estimated to be start in the second half of 2021.

## **4.23 Critical Pump Station Improvements Master Plan**

This project involves the development of a PS Master Plan that evaluates the performance, reliability, and capacity of critical PSs in the ISS. This project will identify a strategic, prioritized capital improvement approach. Additionally, this project will review and revise the Sanitary Sewer System Design and Construction Manual utilized by the City. The NTP for professional services was issued on October 28, 2019, and the PS Master Plan is estimated to be completed in the first half of 2021.

## **4.24 CSOTF Equipment Replacement Program**

This project involves the replacement of the fine screens at both the Central Avenue and Citico CSOTFs. The existing fine screens are reaching the end of their useful service life and need

replacement. This project, CSOTF Improvements Phase 1 (in section 4.14), and LTCP – AOP Implementation (in section 3.4.3) will be bundled, bid, and constructed as one construction contract. The NTP for professional services was issued on January 7, 2020. Construction is estimated to start in the first half of 2021.

#### **4.25 Lupton Drive Chronic SSO Elimination Project**

This project involves the evaluation, characterization, and design of rehabilitation, replacement, or upsizing of 1,600 LF of sanitary sewer pipe and manholes along Lupton Drive east of Hixon Pike. This project will improve the reliability and structural integrity of the existing pipe as well as eliminate targeted chronic SSOs in the area. The NTP for professional services was issued on October 28, 2019. Bid is scheduled on February 18, 2021. Construction is estimated to start in the first half of 2021.

#### **4.26 Riverview Park/CGCC Chronic SSO Elimination Project**

This project involves the rehabilitation or upsizing of sanitary sewer pipe and associated manholes located in the Riverview Park and Chattanooga Golf and Country Club area. The goal is to eliminate targeted chronic SSOs in the area by rehabilitating or replacing the manholes and gravity sewer segments (8-inch to 15-inch diameter) immediately upstream and downstream of this location. The NTP for professional services was issued on October 28, 2019. Bid is scheduled on February 11, 2021. Construction is estimated to start in the first half of 2021.

#### **4.27 South Chick Creek 2, 3, & 4 Interceptor Rehab**

This project involves the evaluation and rehabilitation of approximately 7,850 LF of gravity interceptor pipeline and 16 associated manholes in the South Chickamauga Creek sub-basins 3 and 4. The pipeline rehabilitation will consist of the 72-inch Friar Branch Interceptor from the first manhole downstream of Friars Branch PS, downstream to the junction box on the 84-inch diameter interceptor. The NTP for professional services was issued on July 19, 2019. Additional to the project, the rehabilitation includes 27 manholes and the junction chamber structure, and repair aging sewer infrastructure. The new NTP for professional services was issued on January 15, 2020. 90% design is current under review. Construction is estimated to start in the first half of 2021.

#### **4.28 VAAP Pump Station Upgrade**

This project involves the improvements to the VAAP PS that include the replacement and upgrade of the pumps, piping, valves, and instrumentation. This project, PS Improvements – Hixson 2 (section 4.29), and Tiftonia PS 1 Safety Upgrade (section 4.30) will be bundled, bid, and constructed as one construction contract. The NTP for professional services was issued on December 3, 2019. The construction is estimated to start in the second half of 2021.

#### **4.29 Pump Station Improvements – Hixson 2**

This project involves safety and reliability improvements associated with converting the Hixson PS 2 from a canned station to a submersible station. The upgrades will provide the station with better accessibility and allow the station to increase its capacity, performance and reliability,

helping reduce sanitary sewer overflows in the area. The design is estimated to be completed in the first half of 2021. The construction is estimated to start in the second half of 2021.

### **4.30 Tiftonia Pump Station 1 Safety Upgrade**

This project involves safety and reliability improvements associated with converting Tiftonia PS 1 from a canned station to a submersible station. The upgrades will provide the station with better accessibility and allow the station to increase its capacity, performance and reliability, helping reduce sanitary sewer overflows in the area. This project is currently on-hold.

### **4.31 ISS Capacity Improvements – Creekside Preserve**

This project includes a Sanitary Sewer Evaluation Study (SSES) on approximately 700 linear feet of pipe to identify areas where unwanted groundwater or stormwater can infiltrate the sanitary sewer system. The evaluation recommends the design and construction of a new submersible grinder pump station. The project will help reduce the potential for sanitary sewer overflows in the area, as well as restore collection system capacity and reliability. The NTP for professional services was issued on January 27, 2020, and the design is estimated to be completed in the first half of 2021. The construction is estimated to start in the second half of 2021.

### **4.32 Wet Weather Storage Phase 6 – Hixson Pump Station 1**

This project will construct 5 MG of wet weather storage near the Hixson 1 PS and will store peak wet weather flows to meet the future capacity requirements. The NTP for professional services was issued on December 3, 2019, and the design is estimated to be completed in the first half of 2021. The construction is estimated to start in the second half of 2021.

### **4.33 Environmental and Economic Infrastructure Improvement Plan (“E2I2”) SSO Abatement Program**

This project involves the planning, engineering, and construction of the equalization (EQ) stations to determine the size, location, and required infrastructure improvements needed to construct approximately 51 MG of EQ stations or wet weather storage in three locations within the surrounding area of the City of Chattanooga and Hamilton County, TN. The current locations include Red Bank, East Ridge, and the Lee Highway area.

#### E2I2 SSO Abatement Program – East Ridge

This project includes an EQ station with up to 30 MG of capacity near the intersection of I-75 and the South Chickamauga Creek. The EQ Station will include a PS, force main, and gravity sewer improvements.

#### E2I2 SSO Abatement Program – Lee Hwy

This project includes an EQ station with up to 10 MG for wet weather storage in the Lee Highway area. This project will include the construction of a PS, force main, gravity sewer line improvements, and infrastructure improvements needed to allow for regional connections to deliver approximately 10 MGD of flow through this location.

### E2I2 SSO Abatement Program – Red Bank

This project includes an EQ station with up to 11 MG of capacity near the intersection of Pineville Rd and Hudson Rd. The EQ Station will include a PS, force main, and gravity sewer improvements.

The NTP for professional services was issued on April 1, 2020, and the design is estimated to be completed in the first half of 2022. The construction is estimated to start in the second half of 2022.

## **4.34 MBWWTP Renewable Energy Project (Completed)**

This project includes the installation of approximately 10 acres of a behind-the-meter fixed access solar array to provide an output of 3.18 MW of power to the MBWWTP. The project also includes minor site development and wetlands mitigation efforts. This project will reduce the overall MBWWTP annual power demand by around 8-9% with an energy cost saving of \$200,000.00 - \$300,000.00 annually. The NTP for professional services was issued on April 8, 2020. Construction was completed in November 30, 2020.

## **4.35 MBWWTP Solids Process Optimization Implementation – Phase 2 (Thickener Upgrade)**

This project includes the rehabilitation of three of the Plant's gravity thickeners. These improvements will allow the solids handling process to continue to produce land applied materials as a part of the City's National Bio-solids Partnership Certified Program and will allow for better performance and reliability. The NTP for professional services was issued on July 16, 2018. Construction is estimated to be completed in the second half of 2021.

## **4.36 MBWWTP EQ Blower Replacement**

This project includes improvements to the Equalization Basin and Blowers at the MBWWTP. This project will reduce annual power consumption from the EQ Basin aeration system and increase the available wet weather EQ Basin capacity of the MBWWTP. The bid opening is scheduled for February 11, 2021. The construction is estimated to start in the second half of 2021.

## **4.37 MBWWTP Warehouse Improvements**

This project includes warehouse condition assessment, access, security, operational feasibility and recommendation of replacement/upgrades of warehouse components, as well as an approximate 10,000 sq ft expansion. Phase one will be submitted with the preferred option in the final report along with a conceptual level construction estimate. Phase two will proceed with design and construction on this option. Construction is estimated to start in first half of 2021.

## **4.38 MBWWTP EQ – UNOX Piping Improvements**

This project includes the design and construction of parallel conveyance piping and manifolds to provide reliability from the EQ pump station to the UNOX basins. The piping to include various

lengths of 60-inch, 48-inch and 36-inch diameters. Construction is expected to start in the second half of 2021.

### **4.39 MBWWTP Water Use and Reuse Implementation**

This project includes improvements to the MBWWTP potable and plant water systems to reduce overall water use. It involves implementing water conservation to reduce consumption, substituting lower-grade water for certain non-potable water process uses, and finding and eliminating leaks in the water system. These improvements will increase the overall reliability and operation of the plant water system. Construction is estimated to start in the second half of 2021.

### **4.40 Tiftonia Pump Station 2 Safety Upgrade**

This project includes safety and reliability improvements associated with converting the Tiftonia 2 PS from a canned pump station to a submersible pump station as well as the assessment of the sewer force main for rehabilitation or replacement. Construction is expected to start in the second half of 2022.

### **4.41 MBWWTP SCADA Master Plan – Phase 1**

This project involves the development of the initial phase of a comprehensive SCADA System 5-year Master Plan for the City of Chattanooga Waste Resources Division (OWNER). The Engineer will prepare a report which compiles all findings, analyses, SOP's, and other recommendations to provide SCADA and Operational Technology planning for the City's wastewater and collections systems. The NTP for professional services was issued on December 10, 2019. This project is expected to be completed in first half of 2021.

### **4.42 MBWWTP Improvements – Centrifuge Upgrades**

This project includes upgrades and improvements which involves the preliminary design for the installation of one existing, pre-purchased centrifuge which is located between Centrifuge Building (CB) 1 & 2 at the MBWWTP. The NTP for professional services was issued on June 4, 2020. Construction is estimated to start in the second half of 2021.

### **4.43 Secondary Clarifier Flow Meter & Gate Replacement**

This project includes upgrades and improvements to the Secondary Clarifiers and sludge return meter vaults including new flow meters, slide gates and valves. Additionally, construction of two access roads for City's maintenance vehicles, in the areas between the Secondary Clarifiers and UNOX basins. Construction is estimated to start in the first half of 2021.

### **4.44 Citico Force Main Rehabilitation**

This project includes construction scope to replace the 30" force main exiting the Citico pump station, located on the south side of the Tennessee River near Citico Creek along Riverside Drive. The force main is approximately 2,000 linear feet spanning the Tennessee River to discharge into a manhole on the north side of the river located on Constitution Drive. Design



rehabilitation or replacement will be dependent upon inspection and evaluation of alternatives. Construction is estimated to start in the first half of 2022.

#### **4.45 Implementation of Vulnerability Recommendations**

This is a two-phase project beginning with preliminary engineering and recommendations for security improvements based on analysis of vulnerability. Some of these improvements include controlled accessibility using perimeter fencing upgrades, security camera system, and improvements to all three entry points including relocation of the scale and guard shack. The preferred option will be submitted in the final report along with a conceptual level construction estimate for phase one, and phase two will proceed with design & construction on this option. Construction is estimated to start in first half of 2021.

#### **4.46 Mountain Creek Pump Station Improvements**

This project involves making improvements to the Mountain Creek Pump Station that include the replacement of the Motor Control Center (MCC) and upgrade of the controls at the current facility. The upgrades will allow the station to increase its performance and reliability and to help to reduce sanitary sewer overflows in the area. The preliminary engineering phase will determine the approach utilized for detailed design and construction. Construction is estimated to start in the first half of 2021.

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**Appendix A**  
**Project Schedules Gantt Chart**

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Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
OD1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	0	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																										
OD1130	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11	Consultant develops and Submit Scope and Cost proposal																																										
OD1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																										
OD1150	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08	PMO Approved Agreement to Council for Approval																																										
OD1160	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>																																																
OD1010	Planning Phase	23-Jan-13 A	23-Jan-13	28-Mar-14 A	28	Planning Phase																																										
OD1170	Program Manager / Owner Review and Coordination	29-Mar-14 A	29-Mar-14	16-Apr-14 A	16	Program Manager / Owner Review and Coordination																																										
<b>Public Document Repository</b>																																																
OD1020	Submit Draft Deliverable to Reference Librarian	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17	Submit Draft Deliverable to Reference Librarian																																										
OD1030	Post Copy of Draft Deliverable on City's Website	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17	Post Copy of Draft Deliverable on City's Website																																										
OD1040	Public Review Period	17-Apr-14 A	17-Apr-14	17-May-14 A	17	Public Review Period																																										
OD1050	Public Comment Review Period	18-May-14 A	18-May-14	21-May-14 A	21	Public Comment Review Period																																										
OD1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			21-May-14 A		Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																										
<b>EPA and TDEC Approvals</b>																																																
OD1070	Place Copy of EPA and TDEC Submittal in PDR	22-May-14 A	22-May-14	27-May-14 A	27	Place Copy of EPA and TDEC Submittal in PDR																																										
OD1080	EPA / TDEC Review	22-May-14 A	22-May-14	07-Jul-14 A	07	EPA / TDEC Review																																										
OD1090	Address Comments for Final EPA / TDEC Approval	08-Jul-14 A	08-Jul-14	05-Dec-14 A	05	Address Comments for Final EPA / TDEC Approval																																										
OD1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	06-Dec-14 A	06-Dec-14	09-Dec-14 A	09	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																																										
<b>CMOM-PS Operations and Preventive Maint. Programs</b>																																																
<b>Consent Decree Duration (19 Months)</b>																																																
OE1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24	Consent Decree Duration																																										
OE1120	Consent Decree Duration Completion Milestone			24-Nov-14 A		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>																																																
OE1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	0	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																										
OE3100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11	Consultant develops and Submit Scope and Cost proposal																																										
OE3110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																										
OE3120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08	PMO Approved Agreement to Council for Approval																																										
OE3130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>																																																
OE1010	Planning Phase	24-Jan-13 A	24-Jan-13	29-Sep-14 A	29	Planning Phase																																										
OE1130	Program Manager / Owner Review and Coordination	30-Sep-14 A	30-Sep-14	12-Oct-14 A	12	Program Manager / Owner Review and Coordination																																										
<b>Public Document Repository</b>																																																
OE1020	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13	Submit Draft Deliverable to Reference Librarian																																										
OE1030	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13	Post Copy of Draft Deliverable on City's Website																																										
OE1040	Public Review Period	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17	Public Review Period																																										
OE1050	Public Comment Review Period	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18	Public Comment Review Period																																										
OE1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			18-Nov-14 A		Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																										
<b>EPA and TDEC Approvals</b>																																																
OE1070	Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24	Place Copy of EPA and TDEC Submittal in PDR																																										



█ Critical Remaining ...
   
█ Actual Level of Effort ◆
   
█ Actual Work
   
█ Remaining Work
   
◆ Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
**CITY OF CHATTANOOGA, TN**  
**WASTE RESOURCES DIVISION**







Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	2013				2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
<b>CMOM-Inter-Jurisdictional Agreement Program</b>						<b>CMOM-Inter-Jurisdictional Agreement Program</b>																																											
<b>Consent Decree Duration (13 Months)</b>						<b>Consent Decree Duration (13 Months)</b>																																											
OH1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration																																											
OH1120	Consent Decree Duration Completion Milestone			21-May-14	21-May-14	Consent Decree Duration Completion Milestone																																											
<b>Project Procurement</b>						<b>Project Procurement</b>																																											
OH1000	PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	PM Procurement																																											
<b>Planning Phase</b>						<b>Planning Phase</b>																																											
OH1005	Administration Period	15-Jul-12 A	15-Jul-12	15-Mar-13 A	15-Mar-13	Administration Period																																											
OH1010	Planning Phase	16-Mar-13 A	16-Mar-13	31-Jan-14 A	31-Jan-14	Planning Phase																																											
OH1130	Program Manager / Owner Review and Coordination	01-Feb-14 A	01-Feb-14	10-Apr-14 A	10-Apr-14	Program Manager / Owner Review and Coordination																																											
<b>Public Document Repository</b>						<b>Public Document Repository</b>																																											
OH1020	Submit Draft Deliverable to Reference Librarian	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	Submit Draft Deliverable to Reference Librarian																																											
OH1030	Post Copy of Draft Deliverable on City's Website	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	Post Copy of Draft Deliverable on City's Website																																											
OH1040	Public Review Period	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	Public Review Period																																											
OH1050	Public Comment Review Period	18-May-14 A	18-May-14	21-May-14 A	21-May-14	Public Comment Review Period																																											
OH1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	22-May-14 A	22-May-14	21-May-14	21-May-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																											
<b>EPA and TDEC Approvals</b>						<b>EPA and TDEC Approvals</b>																																											
OH1070	Place Copy of EPA and TDEC Submittal in PDR	22-May-14 A	22-May-14	27-May-14 A	27-May-14	Place Copy of EPA and TDEC Submittal in PDR																																											
OH1080	EPA / TDEC Review	22-May-14 A	22-May-14	16-Sep-14 A	16-Sep-14	EPA / TDEC Review																																											
OH1090	Address Comments for Final EPA / TDEC Approval	16-Sep-14 A	16-Sep-14	16-Sep-14 A	16-Sep-14	Address Comments for Final EPA / TDEC Approval																																											
OH1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	16-Sep-14 A	16-Sep-14	16-Sep-14 A	16-Sep-14	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																																											
<b>Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan</b>						<b>Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan</b>																																											
<b>Focused SSES &amp; Rehab - TN River 8</b>						<b>Focused SSES &amp; Rehab - TN River 8</b>																																											
<b>Project Procurement</b>						<b>Project Procurement</b>																																											
A11880	Procurement Phase	01-Oct-20 A	01-Oct-20	13-Jan-21 A	13-Jan-21	Procurement Phase																																											
<b>Planning Phase</b>						<b>Planning Phase</b>																																											
A11890	Planning Phase	14-Jan-21 A	14-Jan-21	27-Jul-21	27-Jul-21	Planning Phase																																											
<b>Engineering Phase</b>						<b>Engineering Phase</b>																																											
A11900	Engineering Phase	28-Jul-21		24-Dec-21	24-Dec-21	Engineering Phase																																											
<b>Construction Bidding Phase</b>						<b>Construction Bidding Phase</b>																																											
A11910	Construction Bidding Phase	25-Dec-21		24-Mar-22	24-Mar-22	Construction Bidding Phase																																											
<b>Construction Phase</b>						<b>Construction Phase</b>																																											
A11920	Construction Phase	25-Mar-22		18-Jan-23	18-Jan-23	Construction Phase																																											
<b>South Chick Creek 5 River Port PS - SC1 Phase 2</b>						<b>South Chick Creek 5 River Port PS - SC1 Phase 2</b>																																											
<b>Consent Decree Duration (87 Months)</b>						<b>Consent Decree Duration (87 Months)</b>																																											
OL1250	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20 A	27-Jul-20	Consent Decree Duration																																											
OL1260	Consent Decree Duration Milestone			27-Jul-20	27-Jul-20	Consent Decree Duration Milestone																																											
<b>Project Procurement Phase</b>						<b>Project Procurement Phase</b>																																											
OL1200	Project Procurement Phase	01-Dec-17 A	01-Dec-17	16-Aug-18 A	16-Aug-18	Project Procurement Phase																																											
<b>Planning Phase</b>						<b>Planning Phase</b>																																											
OL1210	Planning Phase	20-Aug-18 A	20-Aug-18	01-Mar-19 A	01-Mar-19	Planning Phase																																											
<b>Engineering Phase</b>						<b>Engineering Phase</b>																																											
OL1220	Engineering Phase	13-Feb-19 A	13-Feb-19	24-Feb-20 A	24-Feb-20	Engineering Phase																																											
<b>Construction Bidding Phase</b>						<b>Construction Bidding Phase</b>																																											
OL1230	Construction Bidding Phase	12-Jun-19 A	12-Jun-19	21-Jun-20 A	21-Jun-20	Construction Bidding Phase																																											



█ Critical Remaining ...  
█ Actual Level of Effort ◆  
█ Actual Work  
█ Remaining Work  
◆ Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
 CITY OF CHATTANOOGA, TN  
 WASTE RESOURCES DIVISION





Activity ID	Activity Name	Start	Actual Start	Finish	Ac Fi	2013		2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Construction Phase</b>						Construction Phase																																									
OL1240	Construction Phase	22-Jun-20 A	22-Jun-20	22-Sep-21		Construction Phase																																									
<b>SSES Work Plan</b>						SSES Work Plan																																									
<b>Consent Decree Duration (19 Months)</b>						Consent Decree Duration (19 Months)																																									
OI1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A		Consent Decree Duration																																									
OI1120	Consent Decree Duration Completion Milestone			24-Nov-14 A		Consent Decree Duration Completion Milestone																																									
<b>Project Procurement</b>						Project Procurement																																									
OI1000	PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A		PM Procurement																																									
<b>Planning Phase</b>						Planning Phase																																									
OI1005	Administration Phase	15-Jul-12 A	15-Jul-12	14-Jan-13 A		Administration Phase																																									
OI1010	Planning Phase	15-Jan-13 A	15-Jan-13	11-Sep-14 A		Planning Phase																																									
OI1130	Program Manager / Owner Review and Coordination	12-Sep-14 A	12-Sep-14	16-Oct-14 A		Program Manager / Owner Review and Coordination																																									
<b>Public Document Repository</b>						Public Document Repository																																									
OI1020	Submit Draft Deliverable to Reference Librarian	17-Oct-14 A	17-Oct-14	17-Oct-14 A		Submit Draft Deliverable to Reference Librarian																																									
OI1030	Post Copy of Draft Deliverable on City's Website	17-Oct-14 A	17-Oct-14	17-Oct-14 A		Post Copy of Draft Deliverable on City's Website																																									
OI1040	Public Review Period	18-Oct-14 A	18-Oct-14	17-Nov-14 A		Public Review Period																																									
OI1050	Public Comment Review Period	18-Nov-14 A	18-Nov-14	18-Nov-14 A		Public Comment Review Period																																									
OI1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			20-Nov-14 A		Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																									
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																									
OI1070	Place Copy of EPA and TDEC Submittal in PDR	21-Nov-14 A	21-Nov-14	24-Nov-14 A		Place Copy of EPA and TDEC Submittal in PDR																																									
OI1080	EPA Review and Approval	21-Nov-14 A	21-Nov-14	12-Mar-15 A		EPA Review and Approval																																									
OI1090	TDEC Review and Approval	21-Nov-14 A	21-Nov-14	12-Mar-15 A		TDEC Review and Approval																																									
OI1092	Revise Submittal Documents	13-Mar-15 A	13-Mar-15	04-May-15 A		Revise Submittal Documents																																									
OI1094	Final EPA Review and Approval	05-May-15 A	05-May-15	08-Jun-15 A		Final EPA Review and Approval																																									
OI1096	Final TDEC Review and Approval	09-Jun-15 A	09-Jun-15	13-Jul-15 A		Final TDEC Review and Approval																																									
OI1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	14-Jul-15 A	14-Jul-15	20-Jul-15 A		Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																																									
<b>Focused SSES and Rehab - Chattanooga Creek 4</b>						Focused SSES and Rehab - Chattanooga Creek 4																																									
<b>Consent Decree Duration (87 Months)</b>						Consent Decree Duration (87 Months)																																									
OJ1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20 A		Consent Decree Duration																																									
OJ1120	Consent Decree Duration Completion Milestone			27-Jul-20 A		Consent Decree Duration Completion Milestone																																									
<b>Project Procurement</b>						Project Procurement																																									
OJ3010	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A		CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																									
OJ3020	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A		Consultant develops and Submit Scope and Cost proposal																																									
OJ3030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A		PMO Reviews/ Negotiates and Approve Proposal / Agreement																																									
OJ3040	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A		PMO Approved Agreement to Council for Approval																																									
OJ3050	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A		Consultant Signed Agreement to City for Execution																																									
<b>Planning Phase</b>						Planning Phase																																									
OJ1010	Planning Phase	29-Apr-13 A	29-Apr-13	22-Apr-14 A		Planning Phase																																									
OJ1130	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	22-Apr-14 A		SRF Facility Plan Approval																																									
<b>Engineering Phase</b>						Engineering Phase																																									
OJ1020	Engineering	11-Jul-14 A	11-Jul-14	28-Mar-16 A		Engineering																																									



█ Critical Remaining ...  
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**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION





Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
OL1000	Planning Phase	26-Jun-13 A	26-Jun-13	01-Oct-15 A	0	Planning Phase																																										
<b>Engineering Phase</b>						Engineering Phase																																										
OL1010	Engineering	11-Feb-15 A	11-Feb-15	01-Jun-17 A	1	Engineering																																										
OL1020	SRF Approval of Contract Documents	08-Dec-16 A	08-Dec-16	01-Jun-17 A	0	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
OL1070	Construction Bidding Phase	29-Dec-16 A	29-Dec-16	28-Jun-17 A	2	Construction Bidding Phase																																										
OL1075	SRF Administration Period	29-Jun-17 A	29-Jun-17	07-Jul-17 A	0	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
OL1080	Construction Phase	07-Jul-17 A	07-Jul-17	26-Jul-18 A	2	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
OL1030	Notification of Completion to EPA, TDEC, TCWN	31-Jul-20 A	31-Jul-20	31-Jul-20 A	3	Notification of Completion to EPA, TDEC, TCWN																																										
<b>Focused SSES and Rehab - South Chick Creek 5</b>						Focused SSES and Rehab - South Chick Creek 5																																										
<b>Consent Decree Duration (87 Months)</b>						Consent Decree Duration (87 Months)																																										
OM1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20 A	2	Consent Decree Duration																																										
OM1050	Consent Decree Duration Completion Milestone			27-Jul-20		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
OM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	1	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																										
OM1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	0	Consultant develops and Submit Scope and Cost proposal																																										
OM1110	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	1	PMO Reviews/ Negotiates and Approve Proposal/ Agreement																																										
OM1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	2	PMO Approved Agreement to Council for Approval																																										
OM1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	1	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>						Planning Phase																																										
OM1000	Planning Phase	03-Jun-13 A	03-Jun-13	13-Feb-15 A	1	Planning Phase																																										
OM1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	28-Apr-14 A	2	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
OM1010	Engineering	13-Feb-15 A	13-Feb-15	10-Feb-17 A	1	Engineering																																										
OM1020	SRF Approval of Contract Documents	08-Nov-16 A	08-Nov-16	10-Feb-17 A	1	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
OM1070	Construction Bidding Phase	08-Nov-16 A	08-Nov-16	15-Mar-17 A	1	Construction Bidding Phase																																										
OM1075	SRF Administration Period	16-Mar-17 A	16-Mar-17	29-Mar-17 A	2	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
OM1080	Construction Phase	26-Apr-17 A	26-Apr-17	27-Sep-18 A	2	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
OM1030	Notification of Completion to EPA, TDEC, TCWN	31-Jul-20 A	31-Jul-20	31-Jul-20 A	3	Notification of Completion to EPA, TDEC, TCWN																																										
<b>Focused SSES and Rehab - South Chick Creek 16</b>						Focused SSES and Rehab - South Chick Creek 16																																										
<b>Consent Decree Duration (87 Months)</b>						Consent Decree Duration (87 Months)																																										
ON1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20 A	2	Consent Decree Duration																																										
ON1050	Consent Decree Duration Completion Milestone			27-Jul-20		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
ON1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A	0	Previously Procured Consent Decree Projects																																										
<b>Planning Phase</b>						Planning Phase																																										
ON1000	Planning Phase	25-Mar-11 A	25-Mar-11	30-May-13 A	3	Planning Phase																																										



█ Critical Remaining ...  
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**CHATTANOOGA CONSENT DECREE PROGRAM**  
**CITY OF CHATTANOOGA, TN**  
**WASTE RESOURCES DIVISION**



Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
ON1060	SRF Facility Plan Approval	07-Sep-12 A	07-Sep-12	26-Mar-13 A	26-Mar-13	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
ON1010	Engineering	27-Mar-12 A	27-Mar-12	06-Aug-13 A	06-Aug-13	Engineering																																										
ON1020	SRF Approval of Contract Documents	30-Mar-13 A	30-Mar-13	06-Aug-13 A	06-Aug-13	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
ON1070	Construction Bidding Phase	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13	Construction Bidding Phase																																										
ON1075	SRF Administration Period	18-Dec-13 A	18-Dec-13	02-Mar-14 A	02-Mar-14	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
ON1080	Construction Phase	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
ON1030	Notification of Completion to EPA, TDEC, TCWN	30-Nov-15 A	30-Nov-15	15-Dec-15 A	15-Dec-15	Notification of Completion to EPA, TDEC, TCWN																																										
<b>Implement SSES Phase II Program</b>						Implement SSES Phase II Program																																										
A1000	Implement SSES Phase II Program	18-Jun-15 A	18-Jun-15	11-Nov-31*	11-Nov-31	Implement SSES Phase II Program																																										
<b>Para 22 - Early Action Capital Improvement Projects</b>						Para 22 - Early Action Capital Improvement Projects																																										
<b>DuPont PS and Basin Improvements - Phase 2</b>						DuPont PS and Basin Improvements - Phase 2																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AO1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	Consent Decree Duration																																										
AO1050	Consent Decree Duration Completion Milestone			24-Apr-18	24-Apr-18	Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AO1090	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	25-Apr-15 A	25-Apr-15	01-May-15 A	01-May-15	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP																																										
AO1100	Consultant develops and Submit Scope and Cost proposal	02-May-15 A	02-May-15	09-May-15 A	09-May-15	Consultant develops and Submit Scope and Cost proposal																																										
AO1110	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	10-May-15 A	10-May-15	16-May-15 A	16-May-15	PMO Reviews/ Negotiates and Approve Proposal/ Agreement																																										
AO1120	PMO Approved Agreement to Council for Approval	17-May-15 A	17-May-15	08-Jun-15 A	08-Jun-15	PMO Approved Agreement to Council for Approval																																										
AO1130	Consultant Signed Agreement to City for Execution	09-Jun-15 A	09-Jun-15	23-Jun-15 A	23-Jun-15	Consultant Signed Agreement to City for Execution																																										
<b>Project Execution</b>						Project Execution																																										
OI2310	Project Completion Report	24-Oct-21		24-Oct-21	24-Oct-21	Project Completion Report																																										
<b>Planning Phase</b>						Planning Phase																																										
AO1000	Planning Phase	18-Dec-17 A	18-Dec-17	25-Apr-18 A	25-Apr-18	Planning Phase																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AO1010	Engineering	05-Apr-18 A	05-Apr-18	09-Nov-20 A	09-Nov-20	Engineering																																										
AO1020	SRF Approval of Contract Documents	27-Sep-19 A	27-Sep-19	09-Nov-20 A	09-Nov-20	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
AO1070	Construction Bidding Phase	12-Nov-19 A	12-Nov-19	26-Jan-21	26-Jan-21	Construction Bidding Phase																																										
AO1075	SRF Administration Period	27-Mar-20 A	27-Mar-20	29-Dec-20 A	29-Dec-20	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
AO1080	Construction Phase	26-Jan-21*		23-Oct-21	23-Oct-21	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
AO1030	Notification of Completion to EPA, TDEC, TCWN	24-Oct-21		12-Mar-22	12-Mar-22	Notification of Completion to EPA, TDEC, TCWN																																										
<b>SSO and Wet Weather Volume Reduction Projects</b>						SSO and Wet Weather Volume Reduction Projects																																										
<b>DuPont PS and Basin Improvements - Phase 1</b>						DuPont PS and Basin Improvements - Phase 1																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AN1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	Consent Decree Duration																																										
AN1050	Consent Decree Duration Completion Milestone			24-Apr-18	24-Apr-18	Consent Decree Duration Completion Milestone																																										



- Summary
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining ...
- Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION





Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
<b>Project Procurement</b>						Project Procurement																																										
AN1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	18-Apr-13	11	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																										
AN1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13	0	Consultant develops and Submit Scope and Cost proposal																																										
AN1110	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13	11	PMO Reviews/ Negotiates and Approve Proposal/ Agreement																																										
AN1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13	22	PMO Approved Agreement to Council for Approval																																										
AN1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13	11	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>						Planning Phase																																										
AN1000	Planning Phase	10-Feb-13 A	10-Feb-13	16-Mar-15	0	Planning Phase																																										
AN1060	SRF Facility Plan Approval	02-Jan-15 A	02-Jan-15	16-Mar-15	11	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AN1010	Engineering	02-Apr-14 A	02-Apr-14	02-Dec-15	21	Engineering																																										
AN1020	SRF Approval of Contract Documents	24-Aug-15 A	24-Aug-15	02-Dec-15	02	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
AN1070	Construction Bidding Phase	03-Dec-15 A	03-Dec-15	14-Apr-16	11	Construction Bidding Phase																																										
AN1140	SRF Administration Period	16-Mar-16 A	16-Mar-16	14-Apr-16	14	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
AN1080	Construction Phase	15-Apr-16 A	15-Apr-16	31-Mar-18	31	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
AN1030	Notification of Completion to EPA, TDEC, TCWN	31-Jul-18 A	31-Jul-18	31-Jul-18	31	Notification of Completion to EPA, TDEC, TCWN																																										
<b>Collegedale PS Improvements</b>						Collegedale PS Improvements																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AC1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18	24	Consent Decree Duration																																										
AC1050	Consent Decree Duration Completion Milestone			24-Apr-18		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AC1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12	0	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																										
AC1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12	11	Consultant develops and Submit Scope and Cost proposal																																										
AC1110	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12	21	PMO Reviews/ Negotiates and Approve Proposal/ Agreement																																										
AC1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13	01	PMO Approved Agreement to Council for Approval																																										
AC1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13	21	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>						Planning Phase																																										
AC1000	Planning Phase	10-Feb-13 A	10-Feb-13	16-Mar-15	11	Planning Phase																																										
AC1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	16-Mar-15	11	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AC1010	Engineering	02-Apr-14 A	02-Apr-14	30-Nov-16	30	Engineering																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
AC1030	Notification of Completion to EPA, TDEC, TCWN	30-Nov-16 A	30-Nov-16	30-Nov-16	30	Notification of Completion to EPA, TDEC, TCWN																																										
<b>East Brainerd Collection Sys. and PS Rehab</b>						East Brainerd Collection Sys. and PS Rehab																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
OX1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18	24	Consent Decree Duration																																										
OX1050	Consent Decree Duration Completion Milestone			24-Apr-18		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
OX1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12	0	Previously Procured Consent Decree Projects																																										



- Summary
- Actual Level of Effort
- Actual Work
- Remaining Work
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- Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION







Activity ID	Activity Name	Start	Actual Start	Finish	Ac Fi	2013		2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
AD1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24	Consent Decree Duration																																									
AD1050	Consent Decree Duration Completion Milestone			24-Apr-18 :		Consent Decree Duration Completion Milestone																																									
<b>Project Procurement</b>						<b>Project Procurement</b>																																									
AD1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																									
AD1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01	Consultant develops and Submit Scope and Cost proposal																																									
AD1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																									
AD1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22	PMO Approved Agreement to Council for Approval																																									
AD1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18	Consultant Signed Agreement to City for Execution																																									
<b>Planning Phase</b>						<b>Planning Phase</b>																																									
AD1000	Planning Phase	19-Apr-13 A	19-Apr-13	10-Apr-15 A	10	Planning Phase																																									
AD1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28	SRF Facility Plan Approval																																									
<b>Engineering Phase</b>						<b>Engineering Phase</b>																																									
AD1010	Engineering	10-Apr-15 A	10-Apr-15	30-Dec-15 A	30	Engineering																																									
AD1020	SRF Approval of Contract Documents	31-Dec-15 A	31-Dec-15	26-Apr-16 A	26	SRF Approval of Contract Documents																																									
<b>Construction Bidding Phase</b>						<b>Construction Bidding Phase</b>																																									
AD1070	Construction Bidding Phase	27-Apr-16 A	27-Apr-16	16-Aug-16 A	16	Construction Bidding Phase																																									
AD1140	SRF Administration Phase	17-Aug-16 A	17-Aug-16	30-Sep-16 A	30	SRF Administration Phase																																									
<b>Construction Phase</b>						<b>Construction Phase</b>																																									
AD1080	Construction Phase	30-Sep-16 A	30-Sep-16	28-Nov-17 A	28	Construction Phase																																									
<b>EPA and TDEC Approvals</b>						<b>EPA and TDEC Approvals</b>																																									
AD1030	Notification of Completion to EPA, TDEC, TCWN	31-Jul-18 A	31-Jul-18	31-Jul-18 A	31	EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN																																									
<b>Citico CSOTF PS Improvement Study</b>						<b>Citico CSOTF PS Improvement Study</b>																																									
<b>Consent Decree Duration (36 Months)</b>						<b>Consent Decree Duration (36 Months)</b>																																									
AM1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24	Consent Decree Duration (36 Months)																																									
AM1050	Consent Decree Duration Completion Milestone			24-Apr-16 :		Consent Decree Duration Completion Milestone																																									
<b>Project Procurement</b>						<b>Project Procurement</b>																																									
AM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																									
AM1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11	Consultant develops and Submit Scope and Cost proposal																																									
AM1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																									
AM1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08	PMO Approved Agreement to Council for Approval																																									
AM1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22	Consultant Signed Agreement to City for Execution																																									
<b>Planning Phase</b>						<b>Planning Phase</b>																																									
AM1000	Planning Phase	23-Jan-13 A	23-Jan-13	10-Nov-14 A	10	Planning Phase																																									
AM1060	SRF Facility Plan Approval	23-Jan-13 A	23-Jan-13	23-Jan-13 A	23	SRF Facility Plan Approval																																									
<b>Project Completion Report</b>						<b>Project Completion Report</b>																																									
OI2280	Project Completion Report	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10	Project Completion Report																																									
<b>EPA and TDEC Approvals</b>						<b>EPA and TDEC Approvals</b>																																									
AM1030	Notification of Completion to EPA, TDEC, TCWN	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10	EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN																																									
<b>Tremont Area Sewer Separation Study</b>						<b>Tremont Area Sewer Separation Study</b>																																									
<b>Consent Decree Duration (36 Months)</b>						<b>Consent Decree Duration (36 Months)</b>																																									
OU1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24	Consent Decree Duration (36 Months)																																									
OU1050	Consent Decree Duration Completion Milestone			24-Apr-16 :		Consent Decree Duration Completion Milestone																																									



- Summary
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining ...
- Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION






















Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
<b>MBWWTP Secondary Clarifier Valve Motor Operator Replacement</b>						MBWWTP Secondary Clarifier Valve Motor Operator Replacement																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AL1150	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24	Consent Decree Duration																																										
AL1160	Consent Decree Duration Completion Milestone			24-Apr-18 :		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AL1250	City Develops Project Scope	25-Apr-13 A	25-Apr-13	31-May-16 A	31	City Develops Project Scope																																										
<b>Planning Phase</b>						Planning Phase																																										
AL1170	Planning Phase	01-Jun-16 A	01-Jun-16	30-Jun-16 A	30	Planning Phase																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AL1190	Engineering	01-Jul-16 A	01-Jul-16	31-Oct-16 A	31	Engineering																																										
<b>Construction Phase</b>						Construction Phase																																										
AL1230	Construction Phase	02-Sep-16 A	02-Sep-16	27-Jan-17 A	27	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
AL1290	Notification of Completion to EPA, TDEC, TCWN	28-Jan-17 A	28-Jan-17	28-Jan-17 A	28	Notification of Completion to EPA, TDEC, TCWN																																										
<b>MBWWTP Hydraulic and Pump Improvements</b>						MBWWTP Hydraulic and Pump Improvements																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AK1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24	Consent Decree Duration																																										
AK1050	Consent Decree Duration Completion Milestone			24-Apr-18 :		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																										
AK1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11	Consultant develops and Submit Scope and Cost proposal																																										
AK1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																										
AK1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08	PMO Approved Agreement to Council for Approval																																										
AK1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>						Planning Phase																																										
AK1000	Planning Phase	02-Feb-13 A	02-Feb-13	13-Feb-14 A	13	Planning Phase																																										
AK1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	13-Feb-14 A	13	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AK1010	Engineering	14-Feb-14 A	14-Feb-14	20-Oct-14 A	20	Engineering																																										
AK1020	SRF Approval of Contract Documents	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
AK1070	Construction Bidding Phase	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04	Construction Bidding Phase																																										
AK1140	SRF Administration Phase	05-Dec-14 A	05-Dec-14	12-Dec-14 A	12	SRF Administration Phase																																										
<b>Construction Phase</b>						Construction Phase																																										
AK1080	Construction Phase	16-Feb-15 A	16-Feb-15	20-Jul-16 A	20	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
A4660	Notification of Completion to EPA, TDEC, TCWN	21-Jul-16 A	21-Jul-16	31-Jul-16 A	31	Notification of Completion to EPA, TDEC, TCWN																																										
<b>MBWWTP Bar and Fine Screen Replacements</b>						MBWWTP Bar and Fine Screen Replacements																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AJ1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24	Consent Decree Duration																																										
AJ1050	Consent Decree Duration Completion Milestone			24-Apr-18 :		Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AJ1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07	Previously Procured Consent Decree Projects																																										



-  Summary
-  Actual Level of Effort
-  Actual Work
-  Remaining Work
-  Critical Remaining ...
-  Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION



Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014			2015			2016			2017			2018			2019			2020			2021			2022			2023		
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
<b>Planning Phase</b>																																						
AJ1000	Planning Phase	01-Jan-12 A	01-Jan-12	17-Oct-12 A	01																																	
AJ1060	SRF Facility Plan Approval	08-Oct-12 A	08-Oct-12	17-Oct-12 A	17																																	
<b>Engineering Phase</b>																																						
AJ1010	Engineering	01-May-12 A	01-May-12	20-Oct-14 A	01																																	
AJ1020	SRF Approval of Contract Documents	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20																																	
<b>Construction Bidding Phase</b>																																						
AJ1070	Construction Bidding Phase	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04																																	
AJ1100	SRF Administration Phase	05-Dec-14 A	05-Dec-14	12-Feb-15 A	12																																	
<b>Construction Phase</b>																																						
AJ1080	Construction Phase	16-Feb-15 A	16-Feb-15	30-Jun-17 A	30																																	
<b>MBWWTP Effluent Disinfection System Upgrade</b>																																						
<b>Consent Decree Duration (36 Months)</b>																																						
AC1340	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24																																	
AC1350	Consent Decree Duration Completion Milestone			24-Apr-16																																		
<b>Project Procurement</b>																																						
AC1390	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01																																	
AC1400	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11																																	
AC1410	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	12-Dec-12 A	12-Dec-12	12-Dec-12 A	12																																	
AC1420	PMO Approved Agreement to Council for Approval	12-Dec-12 A	12-Dec-12	29-Dec-12 A	29																																	
AC1430	Consultant Signed Agreement to City for Execution	30-Dec-12 A	30-Dec-12	12-Jan-13 A	12																																	
<b>Planning Phase</b>																																						
AC1300	Planning Phase	29-Apr-13 A	29-Apr-13	28-Aug-13 A	15																																	
AC1360	SRF Facility Plan Approval	14-May-13 A	14-May-13	28-Aug-13 A	28																																	
<b>Engineering Phase</b>																																						
AC1310	Engineering	10-Oct-13 A	10-Oct-13	04-Sep-14 A	04																																	
AC1320	SRF Approval of Contract Documents	03-Sep-14 A	03-Sep-14	20-Oct-14 A	20																																	
<b>Construction Bidding Phase</b>																																						
AC1370	Construction Bidding Phase	30-Oct-14 A	30-Oct-14	30-Jan-15 A	04																																	
AC1440	SRF Administration Period	05-Jan-15 A	05-Jan-15	30-Jan-15 A	30																																	
<b>Construction Phase</b>																																						
AC1380	Construction Phase	16-Mar-15 A	16-Mar-15	24-Apr-16 A	24																																	
<b>EPA and TDEC Approvals</b>																																						
AC1330	Notification of Completion to EPA, TDEC, TCWN	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24																																	
<b>CSO Projects</b>																																						
<b>Carter Street CSOTF Outfall Replacement</b>																																						
<b>Consent Decree Duration (36 Months)</b>																																						
AI1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24																																	
AI1050	Consent Decree Duration Completion Milestone			24-Apr-16																																		
<b>Project Procurement</b>																																						
AI1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	17-Aug-13 A	17																																	
<b>Planning Phase</b>																																						
		18-Aug-13 A	18-Aug-13	28-Jul-14 A																																		



- Summary
- Actual Level of Effort
- Actual Work
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**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION





Activity ID	Activity Name	Start	Actual Start	Finish	Ac F	2013			2014				2015				2016				2017				2018				2019				2020				2021				2022				2023			
						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4					
<b>MBWWTP Telemetry and SCADA Upgrades</b>						MBWWTP Telemetry and SCADA Upgrades																																										
<b>Consent Decree Duration (60 Months)</b>						Consent Decree Duration (60 Months)																																										
AC1190	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18	24	Consent Decree Duration																																										
AC1200	Consent Decree Duration Completion Milestone			24-Apr-18	24	Consent Decree Duration Completion Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
AC1240	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12	01	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																										
AC1250	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12	11	Consultant develops and Submit Scope and Cost proposal																																										
AC1260	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12	21	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																										
AC1270	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13	08	PMO Approved Agreement to Council for Approval																																										
AC1280	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13	22	Consultant Signed Agreement to City for Execution																																										
<b>Planning Phase</b>						Planning Phase																																										
AC1150	Planning Phase	27-Mar-13 A	27-Mar-13	10-Jun-13	10	Planning Phase																																										
AC1210	SRF Facility Plan Approval	11-Jun-13 A	11-Jun-13	11-Jul-13 A	11	SRF Facility Plan Approval																																										
<b>Engineering Phase</b>						Engineering Phase																																										
AC1160	Engineering	12-Jul-13 A	12-Jul-13	16-Oct-15	16	Engineering																																										
AC1170	SRF Approval of Contract Documents	17-Oct-15 A	17-Oct-15	10-Nov-15	10	SRF Approval of Contract Documents																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
AC1220	Construction Bidding Phase	10-Nov-15 A	10-Nov-15	07-Nov-16	07	Construction Bidding Phase																																										
AC1290	SRF Administration Period	07-Nov-16 A	07-Nov-16	01-Dec-16	01	SRF Administration Period																																										
<b>Construction Phase</b>						Construction Phase																																										
AC1230	Construction Phase	13-Nov-16 A	13-Nov-16	28-Nov-17	28	Construction Phase																																										
<b>EPA and TDEC Approvals</b>						EPA and TDEC Approvals																																										
AC1180	Notification of Completion to EPA, TDEC, TCWN	31-Jul-18 A	31-Jul-18	31-Jul-18 A	31	Notification of Completion to EPA, TDEC, TCWN																																										
<b>Para 23 - East Bank/West Bank Outfall Assessment and Rehabilitation</b>						Para 23 - East Bank/West Bank Outfall Assessment and Rehabilitation																																										
<b>East Bank/West Bank Outfall Assessment and Rehabilitation Plan</b>						East Bank/West Bank Outfall Assessment and Rehabilitation Plan																																										
AH1100	East Bank/West Bank Outfall Assessment and Rehabilitation Plan	24-Oct-22		24-May-23		East Bank/West Bank Outfall Assessment and Rehabilitation Plan																																										
AH1110	East Bank/West Bank Outfall Assessment and Rehabilitation Project	25-May-23		25-May-30		East Bank/West Bank Outfall Assessment and Rehabilitation Project																																										
<b>Para 24 - Long Term Control Plan Updates</b>						Para 24 - Long Term Control Plan Updates																																										
<b>Maximizing Treatment at MBWWTP - Feasibility Analysis</b>						Maximizing Treatment at MBWWTP - Feasibility Analysis																																										
<b>Project Procurement</b>						Project Procurement																																										
A11810	Project Procurement	01-Oct-20 A	01-Oct-20	02-Mar-21		Project Procurement																																										
<b>Planning Phase</b>						Planning Phase																																										
A11820	Planning Phase	03-Mar-21		30-Jun-21		Planning Phase																																										
<b>LTCP-Additional Operational Plan Implementation</b>						LTCP-Additional Operational Plan Implementation																																										
<b>Consent Decree Duration</b>						Consent Decree Duration																																										
OO1375	Consent Decree Duration	01-Feb-18 A	01-Feb-18	03-Sep-21		Consent Decree Duration																																										
OO1376	Consent Decree Milestone			03-Sep-21		Consent Decree Milestone																																										
<b>Project Procurement</b>						Project Procurement																																										
OO1386	Project Procurement	01-Jun-18 A	01-Jun-18	10-Jun-19	10	Project Procurement																																										
<b>Planning Phase</b>						Planning Phase																																										
A9790	Planning Phase	11-Jun-19 A	11-Jun-19	08-Apr-20	08	Planning Phase																																										
<b>Engineering Phase</b>						Engineering Phase																																										
A9800	Engineering Phase	23-Mar-20 A	23-Mar-20	02-Jun-21		Engineering Phase																																										
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																										
		03-Jun-21		24-Aug-21		Construction Bidding Phase																																										



- Summary
- Actual Level of Effort
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- Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION



























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						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Annual Report - 2019</b>						Annual Report - 2019																																									
CR8240	Annual Report Period 7 Data Collection	01-Jan-19 A	01-Jan-19	31-Dec-19 A	31	Annual Report Period 7 Data Collection																																									
CR8250	Develop Annual Report 7	01-Jan-20 A	01-Jan-20	27-Feb-20 A	27	Develop Annual Report 7																																									
CR8260	Submit Deliverable to EPA and TDEC	28-Feb-20 A	28-Feb-20	28-Feb-20 A	28	Submit Deliverable to EPA and TDEC																																									
CR8270	Place Copy of EPA and TDEC Submittal in PDR	28-Feb-20 A	28-Feb-20	28-Feb-20 A	28	Place Copy of EPA and TDEC Submittal in PDR																																									
<b>Annual Progress Report - 2020</b>						Annual Progress Report - 2020																																									
CR8280	Annual Report Period 8 Data Collection	01-Jan-20 A	01-Jan-20	31-Dec-20 A	31	Annual Report Period 8 Data Collection																																									
CR8290	Develop Annual Report 8	31-Dec-20		26-Feb-21		Develop Annual Report 8																																									
CR8300	Submit Deliverable to EPA and TDEC	27-Feb-21		27-Feb-21		Submit Deliverable to EPA and TDEC																																									
CR8310	Place Copy of EPA and TDEC Submittal in PDR	27-Feb-21		27-Feb-21		Place Copy of EPA and TDEC Submittal in PDR																																									
<b>Program Management</b>						Program Management																																									
<b>Program Management for Consent Decree - Year 9</b>						Program Management for Consent Decree - Year 9																																									
<b>Program Management - Fiscal Year 2021</b>						Program Management - Fiscal Year 2021																																									
A11750	Year 9 - Fiscal Year 2021	01-Jul-20 A	01-Jul-20	30-Jun-21		Year 9 - Fiscal Year 2021, Year 9 - Fiscal Year 2021																																									
<b>Program Management for Consent Decree - Year 6</b>						Program Management for Consent Decree - Year 6																																									
<b>Program Management - Fiscal Year 2018</b>						Program Management - Fiscal Year 2018																																									
A8950	Year 6 - Fiscal Year 2018	01-Jul-17 A	01-Jul-17	30-Jun-18 A		Year 6 - Fiscal Year 2018																																									
<b>Program Management for Consent Decree - Year 7</b>						Program Management for Consent Decree - Year 7																																									
<b>Program Management - Fiscal Year 2019</b>						Program Management - Fiscal Year 2019																																									
A8960	Year 7 - Fiscal Year 2019	01-Jul-18 A	01-Jul-18	30-Apr-19 A		Year 7 - Fiscal Year 2019																																									
<b>Program Management for Consent Decree - Year 8</b>						Program Management for Consent Decree - Year 8																																									
<b>Program Management - Fiscal Year 2020</b>						Program Management - Fiscal Year 2020																																									
A8970	Year 8 - Fiscal Year 2020	01-May-19 A	01-May-19	30-Jun-20 A		Year 8 - Fiscal Year 2020																																									
<b>Program Management - Years 1-5</b>						Program Management - Years 1-5																																									
<b>Year 1 2013</b>						Year 1 2013																																									
A15000	Year 1 - Fiscal Year 2013	01-Jul-12 A	01-Jul-12	30-Jun-13 A		Year 1 - Fiscal Year 2013																																									
<b>Year 2 2014</b>						Year 2 2014																																									
A15100	Year 2 - Fiscal Year 2014	01-Jul-13 A	01-Jul-13	30-Jun-14 A		Year 2 - Fiscal Year 2014																																									
<b>Year 3 2015</b>						Year 3 2015																																									
A15200	Year 3 - Fiscal Year 2015	01-Jul-14 A	01-Jul-14	30-Jun-15 A		Year 3 - Fiscal Year 2015																																									
<b>Year 4 2016</b>						Year 4 2016																																									
A15300	Year 4 - Fiscal Year 2016	01-Jul-15 A	01-Jul-15	30-Jun-16 A		Year 4 - Fiscal Year 2016																																									
<b>Year 5 2017</b>						Year 5 2017																																									
A15400	Year 5 - Fiscal Year 2017	01-Jul-16 A	01-Jul-16	30-Jun-17 A		Year 5 - Fiscal Year 2017																																									
<b>Additional Consent Decree Supported Projects</b>						Additional Consent Decree Supported Projects																																									
<b>Dobbs Branch Basin Improvements - Phase 2</b>						Dobbs Branch Basin Improvements - Phase 2																																									
<b>Dobbs Branch Basin Improvements - Phase 2</b>						Dobbs Branch Basin Improvements - Phase 2																																									
<b>Project Procurement Phase</b>						Project Procurement Phase																																									
A8220	Project Procurement Phase	31-Jan-18 A	31-Jan-18	16-Oct-18 A	16	Project Procurement Phase																																									
<b>Planning Phase</b>						Planning Phase																																									
A8230	Planning Phase	23-Nov-18 A	23-Nov-18	26-Mar-19 A	26	Planning Phase																																									
<b>Engineering Phase</b>						Engineering Phase																																									
A8240	Engineering Phase	05-Feb-19 A	05-Feb-19	25-Oct-19 A	25	Engineering Phase																																									
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																									



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CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION









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						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
<b>E212 SSO Abatement Program - Red Bank</b>						E212 SSO Abatement Program - Red Bank																																
<b>E212 SSO Abatement Program - Red Bank</b>						E212 SSO Abatement Program - Red Bank																																
<b>Project Procurement</b>						Project Procurement																																
A11590	Procurement Phase	01-Jul-19 A	01-Jul-19	01-Apr-20	01	Procurement Phase																																
<b>Planning Phase</b>						Planning Phase																																
A11600	Planning Phase	01-Apr-20 A	01-Apr-20	30-Nov-21	01	Planning Phase																																
<b>Engineering Phase</b>						Engineering Phase																																
A11610	Engineering Phase	01-Dec-21		02-Aug-22		Engineering Phase																																
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																
A11620	Construction Bidding Phase	03-Aug-22		30-Nov-22		Construction Bidding Phase																																
<b>Construction Phase</b>						Construction Phase																																
A11630	Construction Phase	01-Dec-22		01-Dec-24		Construction Phase																																
<b>E212 SSO Abatement Program - East Ridge</b>						E212 SSO Abatement Program - East Ridge																																
<b>E212 SSO Abatement Program - East Ridge</b>						E212 SSO Abatement Program - East Ridge																																
<b>Project Procurement</b>						Project Procurement																																
A9360	Procurement Phase	01-Jul-19 A	01-Jul-19	01-Mar-21	01	Procurement Phase																																
<b>Planning Phase</b>						Planning Phase																																
A9370	Planning Phase	02-Mar-21		01-Jul-22		Planning Phase																																
<b>Engineering Phase</b>						Engineering Phase																																
A9380	Engineering Phase	02-Jul-22		02-Jul-23		Engineering Phase																																
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																
A9390	Construction Bidding Phase	03-Jul-23		01-Oct-23		Construction Bidding Phase																																
<b>Construction Phase</b>						Construction Phase																																
A9400	Construction Phase	02-Oct-23		02-Oct-25		Construction Phase																																
<b>MBWWTP Wet Weather Response Team</b>						MBWWTP Wet Weather Response Team																																
<b>MBWWTP Wet Weather Response Team</b>						MBWWTP Wet Weather Response Team																																
<b>Project Procurement</b>						Project Procurement																																
A9770	Procurement Phase	01-Jun-18 A	01-Jun-18	15-Oct-18	15	Procurement Phase																																
<b>Planning Phase</b>						Planning Phase																																
A9780	Planning Phase	16-Oct-18 A	16-Oct-18	04-Feb-21	04	Planning Phase																																
<b>Implementation of Vulnerability Improvements</b>						Implementation of Vulnerability Improvements																																
<b>Implementation of Vulnerability Improvements</b>						Implementation of Vulnerability Improvements																																
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																
A11660	Construction Bidding Phase	04-Feb-21		30-Apr-21		Construction Bidding Phase																																
<b>Construction Phase</b>						Construction Phase																																
A11670	Construction Phase	01-May-21		01-Jul-22		Construction Phase																																
<b>Mountain Creek PS Improvements</b>						Mountain Creek PS Improvements																																
<b>Mountain Creek PS Improvements</b>						Mountain Creek PS Improvements																																
<b>Project Procurement</b>						Project Procurement																																
A10060	Project Procurement Phase	01-Mar-20 A	01-Mar-20	19-May-20	19	Project Procurement Phase																																
<b>Planning Phase</b>						Planning Phase																																
A10070	Planning Phase	19-May-20 A	19-May-20	08-Jun-20	08	Planning Phase																																
<b>Engineering Phase</b>						Engineering Phase																																
A10080	Engineering Phase	09-Jun-20 A	09-Jun-20	22-Jan-21	22	Engineering Phase																																
<b>Construction Bidding Phase</b>						Construction Bidding Phase																																
A10090	Construction Bidding Phase	23-Jan-21		28-May-21		Construction Bidding Phase																																
<b>Construction Phase</b>						Construction Phase																																
A10100	Construction Phase	29-May-21		12-Nov-21		Construction Phase																																
<b>Riverview Park\CGCC Chronic SSO Elimination Project</b>						Riverview Park\CGCC Chronic SSO Elimination Project																																
<b>Riverview Park\CGCC Chronic SSO Elimination Project</b>						Riverview Park\CGCC Chronic SSO Elimination Project																																



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CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION















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						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Planning Phase</b>						← Planning Phase →																																									
OP1180	Planning Phase PHASE 1	23-Jan-13 A	23-Jan-13	01-Sep-16 A	21	← Planning Phase PHASE 1 →																																									
OP1200	Planning Phase PHASE 2	05-Nov-14 A	05-Nov-14	01-Sep-16 A	01	← Planning Phase PHASE 2 →																																									
<b>Citico PS and CSOTF Upgrades</b>						← Citico PS and CSOTF Upgrades →																																									
<b>Citico PS and CSOTF Upgrades</b>						← Citico PS and CSOTF Upgrades →																																									
<b>Project Procurement</b>						← Project Procurement →																																									
A1020	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	21-Aug-14 A	21-Aug-14	26-Jan-15 A	15	← CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP →																																									
A1030	Consultant develops and Submit Scope and Cost proposal	20-Sep-14 A	20-Sep-14	06-Oct-14 A	06	← Consultant develops and Submit Scope and Cost proposal →																																									
A1040	PMO Reviews/ Negotiates and Approve Proposal/ Agreement	07-Oct-14 A	07-Oct-14	03-Dec-14 A	03	← PMO Reviews/ Negotiates and Approve Proposal/ Agreement →																																									
A1050	PMO Approved Agreement to Council for Approval	04-Dec-14 A	04-Dec-14	09-Dec-14 A	09	← PMO Approved Agreement to Council for Approval →																																									
A1060	Consultant Signed Agreement to City for Execution	10-Dec-14 A	10-Dec-14	26-Jan-15 A	26	← Consultant Signed Agreement to City for Execution →																																									
<b>Planning Phase</b>						← Planning Phase →																																									
A1200	Planning Phase	11-Feb-15 A	11-Feb-15	01-Nov-15 A	01	← Planning Phase →																																									
A1210	SRF Facility Plan Approval	02-Nov-15 A	02-Nov-15	17-Dec-15 A	17	← SRF Facility Plan Approval →																																									
<b>Engineering Phase</b>						← Engineering Phase →																																									
A1300	Engineering Phase	27-May-15 A	27-May-15	13-Jul-16 A	13	← Engineering Phase →																																									
<b>Construction Bidding Phase</b>						← Construction Bidding Phase →																																									
A1500	Construction Bidding Phase	14-Jul-16 A	14-Jul-16	30-Nov-16 A	30	← Construction Bidding Phase →																																									
A1600	SRF Administration Phase	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30	← SRF Administration Phase →																																									
<b>Construction Phase</b>						← Construction Phase →																																									
A1700	Construction Phase	01-Dec-16 A	01-Dec-16	30-Jun-18 A	30	← Construction Phase →																																									
<b>MBWWTP Detritors Rehab</b>						← MBWWTP Detritors Rehab →																																									
<b>MBWWTP Detritors Rehab</b>						← MBWWTP Detritors Rehab →																																									
<b>Planning Phase</b>						← Planning Phase →																																									
A3000	Planning Phase	02-Jul-15 A	02-Jul-15	10-Mar-16 A	10	← Planning Phase →																																									
A3010	SRF Facility Plan Approval	17-Jan-16 A	17-Jan-16	10-Mar-16 A	10	← SRF Facility Plan Approval →																																									
<b>Engineering Phase</b>						← Engineering Phase →																																									
A3100	Engineering Phase	05-Feb-16 A	05-Feb-16	27-Oct-16 A	27	← Engineering Phase →																																									
A3120	TDEC Approval of Contract Documents	28-Oct-16 A	28-Oct-16	12-Dec-16 A	12	← TDEC Approval of Contract Documents →																																									
<b>Construction Bidding Phase</b>						← Construction Bidding Phase →																																									
A3200	Construction Bidding Phase	13-Dec-16 A	13-Dec-16	25-Mar-17 A	25	← Construction Bidding Phase →																																									
<b>Construction Phase</b>						← Construction Phase →																																									
A3300	Construction Phase	26-Mar-17 A	26-Mar-17	28-Sep-18 A	28	← Construction Phase →																																									
<b>Friar's Branch -South Chick Creek 5 Interceptor Rehab</b>						← Friar's Branch -South Chick Creek 5 Interceptor Rehab →																																									
<b>Friar's Branch-South Chick Creek 5 Interceptor Rehab</b>						← Friar's Branch-South Chick Creek 5 Interceptor Rehab →																																									
<b>Planning Phase</b>						← Planning Phase →																																									
A4000	Planning Phase	16-Sep-15 A	16-Sep-15	15-Feb-16 A	15	← Planning Phase →																																									
A4020	SRF Facility Plan Approval	16-Feb-16 A	16-Feb-16	24-Mar-16 A	24	← SRF Facility Plan Approval →																																									
<b>Engineering Phase</b>						← Engineering Phase →																																									
A4100	Engineering Phase	25-Mar-16 A	25-Mar-16	23-Sep-17 A	23	← Engineering Phase →																																									
A4120	SRF Approval of Contract Documents	24-Sep-17 A	24-Sep-17	17-Nov-17 A	17	← SRF Approval of Contract Documents →																																									



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CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION



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						Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4				
<b>Construction Bidding Phase</b>																																															
A4200	Construction Bidding Phase	18-Nov-17 A	18-Nov-17	13-May-18 A	10																																										
A4220	SRF Administration Phase	14-Feb-18 A	14-Feb-18	15-Mar-18 A	15																																										
<b>Construction Phase</b>																																															
A4300	Construction Phase	22-Mar-18 A	22-Mar-18	15-Feb-21 A	15																																										
<b>South Chick PS Phase II/Spring Creek PS Upgrades</b>																																															
<b>South Chick PS Phase II and Spring Creek PS Upgrades</b>																																															
<b>Project Procurement</b>																																															
A2000	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	21-Aug-14 A	21-Aug-14	19-Sep-14 A	19																																										
A2020	Consultant develops and Submit Scope and Cost proposal	20-Sep-14 A	20-Sep-14	13-Oct-14 A	13																																										
A2030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14-Oct-14 A	14-Oct-14	26-Mar-15 A	26																																										
A2040	PMO Approved Agreement to Council for Approval	27-Mar-15 A	27-Mar-15	31-Mar-15 A	31																																										
A2050	Consultant Signed Agreement to City for Execution	01-Apr-15 A	01-Apr-15	05-May-15 A	05																																										
<b>Planning Phase</b>																																															
A2200	Planning Phase	06-May-15 A	06-May-15	12-Feb-16 A	12																																										
<b>Engineering Phase</b>																																															
A2300	Engineering Phase	24-Feb-16 A	24-Feb-16	03-Aug-16 A	1																																										
A2400	SRF Approval of Contract Documents	21-Jun-16 A	21-Jun-16	03-Aug-16 A	03																																										
<b>Construction Bidding Phase</b>																																															
A2500	Construction Bidding Phase	04-Aug-16 A	04-Aug-16	24-Oct-16 A	24																																										
A2600	SRF Administration Phase	28-Sep-16 A	28-Sep-16	24-Oct-16 A	24																																										
<b>Construction Phase</b>																																															
A2700	Construction Phase	27-Oct-16 A	27-Oct-16	10-Apr-17 A	10																																										
<b>Carter Street Sewer Rehab</b>																																															
<b>Carter Street Sewer Rehabilitation</b>																																															
<b>Project Procurement</b>																																															
A11130	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07																																										
<b>Planning Phase</b>																																															
A11140	Planning Phase	13-Jan-16 A	13-Jan-16	15-Jan-16 A	15																																										
A11150	SRF Facility Plan Approval	16-Jan-16 A	16-Jan-16	19-Jan-16 A	19																																										
<b>Engineering Phase</b>																																															
A11160	Engineering	13-Jan-16 A	13-Jan-16	18-Feb-16 A	18																																										
A11170	SRF Approval of Contract Documents	19-Feb-16 A	19-Feb-16	01-Apr-16 A	01																																										
<b>Construction Bidding Phase</b>																																															
A11180	Construction Bidding Phase	04-Apr-16 A	04-Apr-16	21-Jun-16 A	21																																										
A11190	SRF Administration Phase	17-Jun-16 A	17-Jun-16	17-Jun-16 A	17																																										
<b>Construction Phase</b>																																															
A11200	Construction Phase	24-Aug-16 A	24-Aug-16	28-Dec-16 A	28																																										
<b>MBWWTP Control Room Upgrade</b>																																															
<b>MBWWTP Control Room Upgrades</b>																																															
<b>Project Execution</b>																																															



- Summary
- Actual Level of Effort
- Actual Work
- Remaining Work
- Critical Remaining ...
- Baseline Milestone

**CHATTANOOGA CONSENT DECREE PROGRAM**  
CITY OF CHATTANOOGA, TN  
WASTE RESOURCES DIVISION









