



City of Chattanooga

Mayor Andy Berke

July 26, 2017

VIA CERTIFIED MAIL

Ms. Sara Janovitz
Environmental Engineer
Clean Water Enforcement Branch
US EPA-Region 4
61 Forsyth Street, SW
Atlanta, GA 30303

**Re: *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024*
Semi-Annual Work Progress Report No. 8 – January, 2017 to June, 2017**

Dear Ms. Janovitz:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the Consent Decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the eighth semi-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.

Ms. Sara Janovitz
July 26, 2017
Page Two

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

Sincerely,

A handwritten signature in blue ink that reads "Michael C. Patrick". The signature is written in a cursive style with a large, stylized initial "M".

Michael C. Patrick, P.E.
Director, Waste Resources Division

Enclosure

cc: Karl Fingerhood, Esq., US DOJ
Chief, Environmental Enforcement Section, US DOJ
Chief, Clean Water Enforcement Branch, US EPA Region 4
Bill Bush, Esq., US EPA
Sohnia Hong, Esq., Office of the Attorney General
Enforcement Coordinator, Water Pollution Control, TDEC
Shelby Ward, TN Clean Water Network
Adam Sowatzka, Esq., King & Spalding
Mike Marino, P.E., Jacobs



Semi-Annual Work Progress Report No. 8

January 1 – June 30, 2017

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

July 26, 2017

Contents

1.0	Executive Summary	1
2.0	Introduction	3
2.1	Purpose	3
2.2	Requirements	3
2.3	Report Structure	3
3.0	Work Progress.....	4
3.1	Capacity, Management, Operations and Management (“CMOM”) Programs	4
3.1.1	CMOM-Sewer Overflow Response Protocol (“SORP”) (completed).....	4
3.1.2	CMOM-Emergency Response Plan (completed)	4
3.1.3	CMOM-FOG Mgmt. Plan (completed)	4
3.1.4	CMOM-Gravity Line Preventive Maintenance Program (“GLPMP”) (completed).....	4
3.1.5	CMOM-PS Operations Program (“PSOP”) (completed).....	4
3.1.6	CMOM-PS Preventive Maintenance Program (“PSPMP”) (completed)....	4
3.1.7	CMOM-Hydraulic Model Development (completed)	4
3.1.8	CMOM-CAP (completed).....	4
3.1.9	CMOM-Inter-Jurisdictional Agreement Program (completed).....	5
3.2	Sanitary Sewer Evaluation Study (“SSES”) Work Plan (completed)	5
3.2.1	Focused SSES and Rehabilitation-Chattanooga Creek 4	5
3.2.2	Focused SSES and Rehabilitation-Dobbs Branch 3	5
3.2.3	Focused SSES and Rehabilitation-South Chickamauga Creek 1	5
3.2.4	Focused SSES and Rehabilitation-South Chickamauga Creek 5	6
3.2.5	Focused SSES and Rehabilitation-South Chickamauga Creek 16 (completed).....	6
3.3	Early Action Capital Improvement Projects	6
3.3.1	SSO and Wet Weather Volume Reduction Projects	6
3.3.2	MBWWTP Projects.....	9
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”).....	11
3.4.2	LTCP-Post Construction Compliance Monitoring Program (completed)..	12
3.5	MBWWTP Process Controls Program (completed)	12
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	12
3.8	Agawela Drive Stream Restoration – SEP	13
3.9	Reporting Requirements	13

3.10	Stipulated Penalties	13
4.0	Additional Work.....	14
4.1	201 Facility Plan Update (completed).....	14
4.2	MBWWTP Backup Electrical Power (complete)	14
4.3	Citico PS and CSOTF Upgrades.....	14
4.4	South Chick PS Phase II and Spring Creek PS Upgrades	14
4.5	Carter Street Sewer Rehabilitation (completed)	15
4.6	MBWWTP – Detritors Rehabilitation	15
4.7	Friar’s Branch-South Chick Creek 5 Interceptor Rehabilitation.....	15
4.8	MBWWTP-Control Room Upgrades.....	16
4.9	Citico PS Reliability Improvements	16
4.10	Brainerd Golf Course PS Safety Upgrade	16
4.11	Wet Weather Combined Sewer Storage – Phase 1.....	16
4.12	MBWWTP Secondary Clarifier Upgrades and Additions	16
4.13	CSOTF Study (completed).....	17

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

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
GIPP	Green Infrastructure Program Plan
GLPMP	Gravity Line Preventative Maintenance Program
HVAC	Heating, Ventilation, and Air Conditioning
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
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 Semi-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 6 months, and also provides projections for activities anticipated to be completed in the following 6 months. This Report presents milestones achieved from January 1, 2017 through June 30, 2017 (“Report Period”), and the projections cover the period of July 1, 2017 through December 31, 2017.

The City met all of the deadlines for this Report Period. 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. 14	Section IX., para 38	1/31/2017	1/25/2017
Semi-Annual Work Progress Report No. 7	Section IX., para 39	1/31/2017	1/25/2017
Annual Report No. 4	Section IX, para 40	2/28/17	2/23/2017
Quarterly Report No. 15	Section IX., para 38	4/30/2017	4/27/2017
Enterprise South Industrial Park (“ESIP”) Pump Station (“PS”), Force Main, and Interceptor Upgrade	Section VI, para 22	4/24/2017*	4/4/2017
Moccasin Bend Wastewater Treatment Plant (“MBWWTP”) Secondary Clarifier Valve Motor Operator Replacement	Section VI, para 22	4/24/2018	1/28/2017
MBWWTP Hydraulic and Pump Improvements	Section VI, para 22	4/24/2018	6/20/2017
MBWWTP Bar and Fine Screen Replacements	Section VI, para 22	4/24/2018	6/30/2017
Carter Street Sewer Rehabilitation	Section IX, para 39(c)	N/A	12/28/2016
Combined Sewer Overflow (“CSO”) Treatment Facility (“TF”) Study	Section IX, para 39(c)	N/A	5/30/2017

*Based on extension letter from EPA dated May 16, 2016

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming semi-annual period of January 1, 2017 through June 30, 2017. 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. 16	Section IX., para 38	7/31/2017	7/31/2017
Quarterly Report No. 17	Section IX., para 38	10/31/2017	10/31/2017
Semi-Annual Work Progress Report No. 8	Section IX., para 39	7/31/2017	7/31/2017
Focused Sanitary Sewer Evaluation Services ("SSES") and Rehab – Chattanooga Creek 4	Section VI, para 21	7/24/2020	November 2017
Focused SSES and Rehab – Dobb's Branch 3	Section VI, para 21	7/24/2020	6/19/2017
Focused SSES and Rehab – South Chickamauga Creek 5	Section VI, para 21	7/24/2020	November 2017
DuPont Pump Station ("PS") and Basin Improvements – Phase 1	Section VI, para 22	4/24/2018	August 2017
East Brainerd PS Rehabilitation	Section VI, para 22	4/24/2018	October 2017
Highland Park Sewer Rehabilitation	Section VI, para 22	4/24/2018	August 2017
Orchard Knob PS Improvements	Section VI, para 22	4/24/2018	July 2017
MBWWTP Telemetry and Supervisory Control And Data Acquisition ("SCADA") Upgrades	Section VI, para 22	4/24/2018	October 2017
Long Term Control Plan ("LTCP")-Additional Operational Plan	Section VI, para 24	10/24/2017**	October 2017
Agawela Drive Stream Restoration – Supplemental Environmental Project ("SEP")	Section VIII, para 31	4/24/2018	July 2017
Citico PS and CSOTF Upgrades	Section IX, para 39(c)	N/A	October 2017
South Chick PS Phase II and Spring Creek PS Upgrades	Section IX, para 39(c)	N/A	September 2017

**Based on extension letter from EPA dated February 9, 2017

2.0 Introduction

2.1 Purpose

Pursuant to Section IX, paragraph 39, of the CD, the City is required to submit work progress reports on a semi-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 6-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 6-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.

3.0 Work Progress

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

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 Chattanooga Creek 4 sewer sub-basin consists of approximately 69,504 linear feet (“LF”) of sanitary sewer piping, ranging from 6-inch to 48-inch diameter. The Notice to Proceed (“NTP”) for professional services was issued April 19, 2013, and SSES investigations were completed on approximately 61,567 LF of sewer by April 2014. The Preliminary Engineering Report (“PER”) was submitted November 5, 2014 and approved November 7, 2014. Approximately 42,930 LF of sanitary sewer were designated for rehabilitation. The final design was submitted to TDEC for review on March 28, 2016 and approval was received on July 8, 2016. Bidding began on August 18, 2016 and construction began February 6, 2017. Construction is scheduled to be complete in the second half of 2017.

3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3

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 Dobbs Branch 3 sewer sub-basin consists of approximately 47,381 LF of sanitary sewer piping, ranging from 6-inch to 24-inch diameter. The NTP for professional services was issued April 19, 2013, and SSES investigations were completed for approximately 44,740 LF of sewer by October 4, 2013. The PER was submitted to the City on May 15, 2014 and approved May 16, 2014. Approximately 32,225 LF of sanitary sewer were designated for rehabilitation. The design was completed and submitted to TDEC on October 6, 2015 and approval was received from TDEC on October 30, 2015. Bidding began on December 1, 2015, and NTP for construction was issued April 27, 2016. Final completion of the original contract was met on May 7, 2017. Additional work to be added to the contract is currently being negotiated and construction is scheduled to be complete in the second half of 2017.

3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1

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 LF of sanitary sewer piping, ranging from 4-inch to 84-inch diameter. The NTP for professional services was issued June 26, 2013, and SSES

investigations were completed for approximately 69,751 LF of sewer by January 17, 2014. Approximately 13,257 LF of sanitary sewer were designated for rehabilitation. Final design was completed and the project was submitted to TDEC for approval on November 26, 2016. Contract bidding began December 9, 2016 and construction is scheduled to begin in the second half of 2017.

3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5

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 5 sewer sub-basin consists of approximately 89,414 LF of sanitary sewer piping, ranging from 6-inch to 36-inch diameter. The NTP for professional services was issued April 18, 2013, and SSES investigations were completed for approximately 73,923 LF of sewer piping in 2014. The PER was submitted on January 8, 2015 and approximately 19,560 LF of sanitary sewer were recommended for rehabilitation. Final design was completed and the project was submitted to TDEC on November 7, 2016. Bidding began November 17, 2016 and construction began May 30, 2017. Construction is scheduled to be complete in the second half of 2017.

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.

3.3 Early Action Capital Improvement Projects

3.3.1 SSO and Wet Weather Volume Reduction Projects

3.3.1.1 DuPont PS and Basin Improvements – Phase 1 and Phase 2

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

Phase 1 includes SSES and rehabilitation of sewers within the DuPont PS service area which are within three selected sub-basins (North Chickamauga Creek 1, North Chickamauga Creek 3, and Tennessee River 10). The total amount of sewer estimated from these basins for SSES is approximately 270,008 LF ranging from 8-inch to 48-inch diameter. The NTP for Phase 1 professional services was issued on April 19, 2013, and SSES has been performed on approximately 242,966 LF of sewer piping and from the results of the SSES, approximately 27,468 LF of sanitary sewer and service pipelines were designated for rehabilitation and approximately 1,800 LF of pipeline will be relocated out of an environmentally sensitive area. The final PER was submitted on September 5, 2014, and the design was completed and submitted to TDEC for review and approval on August 24, 2015. TDEC approval was received December 2, 2015. The bidding phase began on January 1, 2016 and the NTP for construction was issued March 17, 2016. Construction began April 15, 2017 and is expected to be complete in the second half of 2017.

Phase 2 involves 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. The project also includes a new diversion structure, standby generator, as well as the upsizing of a section of interceptor. The NTP for Phase 2 professional services was issued on June 24, 2015. Bidding began May 5, 2017, and construction is anticipated to begin in the second half of 2017.

3.3.1.2 Collegedale PS 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 PS Rehabilitation

The East Brainerd Collection System and PS Rehabilitation project is being performed pursuant to Paragraph 22 and Appendix C of the CD. This project includes the SSES and rehabilitation of portions of the East Brainerd basin collection system and the upgrade of the PS. Improvements to the collection system and PS were designed as two different projects with two sets of contract documents.

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

PS Rehabilitation- The PS upgrade will include constructing one cast-in-place wet-well containing four submersible pumps and appurtenances; one precast electrical building approximately 20-feet by 30-feet containing variable frequency drives, necessary electrical gear to support the submersible pumps, restroom facility and HVAC units; a 30-inch force main approximately 500 LF in length connecting the new PS with the discharge manhole at the force main sewer discharge; and an on-site emergency generator and switch gear to power the new PS. The NTP for professional services was issued March 26, 2011. The design was submitted to TDEC on August 2, 2014 and approval of the contract documents for the PS rehabilitation was received on January 30, 2015. Bids were received on May 7, 2015, and the contract was awarded on July 16, 2015. The NTP for the PS rehabilitation construction contract was issued August 10, 2015. The construction phase is scheduled to be complete in the second half of 2017.

3.3.1.4 Altamont Sewer Basin and PS Improvements (completed)

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

3.3.1.5 Pineville PS 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

The Highland Park Sewer Rehabilitation project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The sewer sub-basins in the Highland Park area consist of approximately 74,446 LF of sanitary sewer pipe ranging from 4-inch to 24-inch diameter. The NTP for professional services was issued April 19, 2013. The SSES investigation of this basin was completed for approximately 54,354 LF of sewer piping in April of 2015. From the results of the SSES, approximately 36,098 LF of sanitary sewer, service pipeline, and the associated manholes were designated to be rehabilitated. The final design was completed and submitted to TDEC for review on December 30, 2015. TDEC approval was received on April 26, 2016, and bidding began May 5, 2016. The NTP for construction was issued on November 17, 2016. Additional CIPP work to be added to the project is currently being negotiated, and construction is scheduled to be complete in the second half of 2017.

3.3.1.8 Citico CSOTF PS 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") PS, Force Main and Interceptor Upgrade (completed)

The ESIP PS, Force Main and Interceptor Upgrade project is being performed pursuant to Paragraph 22 and Appendix C of the CD. This project includes the replacement and upgrade of four existing pumps to four new 1.0 million gallons per day ("MGD") pumps. Additionally, a new 4,800 LF 16-inch force main will be installed as well as replacing the existing 15-inch sewer with 8,500 LF of 36-inch gravity sewer. The NTP for professional services was issued March 11, 2011 and the final design was submitted to TDEC for approval on October 24, 2013. TDEC approval of contract documents was received January 23, 2014 and bidding began January 31, 2014. The NTP for construction services was issued June 9, 2014. Due to an issue with the contractor that was beyond Chattanooga's control, Chattanooga submitted a request to EPA to extend the deadline for this project on January 18, 2016. On May 16, 2016, EPA extended the deadline to April 24, 2017. Substantial completion was reached April 4, 2017.

3.3.1.11 Orchard Knob PS Improvements

The Orchard Knob PS Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The upgrade involves the replacement of the existing pumps, piping, valves, electrical controls and instrumentation, and back-up generator. The NTP for professional services was issued January 22, 2013, and the final PER was submitted to the City on February 28, 2014. The final design was submitted to TDEC on August 20, 2015 and approval was received October 12, 2015. The project bid phase started on November 3, 2015 and the NTP for construction was issued May 16, 2016. Final completion is scheduled for the second half of 2017.

3.3.1.12 Friars Branch PS Improvements

The Friars Branch PS Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The purpose of this project is to design and construct improvements to increase reliability and extend the service life of the PS. This project involves replacement of the existing pumps, piping, effluent trough, electrical controls and instrumentation, and addition of an onsite odor control system. The NTP for professional services was issued April 19, 2013, and the final PER was submitted to the City on May 15, 2014. The final design was completed and submitted to TDEC for review October 30, 2015. Approval was received from TDEC on January 27, 2016. Bidding began August 11, 2016. Construction began December 9, 2016 and is scheduled for completion in the second half of 2018.

3.3.1.13 Friars Branch Basin Improvements

The Friars Branch Basin Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. This project involves rehabilitation of portions of the collection system in the Friars Branch basin. The sewer basin consists of approximately 221,344 LF of sanitary sewer piping, ranging from 4-inch to 30-inch diameter. The NTP for professional services was issued on June 3, 2013 and SSES investigations were conducted on approximately 214,104 LF of sewer piping as of December 10, 2013. From the results of the SSES, approximately 20,827 LF of sanitary sewer, service pipeline, and the associated manholes were designated to be rehabilitated. The PER was approved by the City on January 28, 2015 and the design was completed and submitted to TDEC December 23, 2016. Construction began May 5, 2017 and is scheduled to be complete in the first half of 2018.

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)

The MBWWTP Secondary Clarifier Valve Motor Operator Replacement project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The City will be installing fourteen (14) new 16-inch valve motor operators (actuators). The work associated with these actuators includes the replacement of all the local power conduit and cable, the installation of new local disconnect switch, and the installation of a new electric main/breaker in the electrical

building. The work also includes the upgrading of the instrumentation component of the actuators by installing new programmable logic controllers (“PLCs”) that will allow local control of the actuators. Additionally, the City is repairing/replacing the Secondary Clarifier flow meters as needed and installing sump pumps in the metering pits. This project is a self-performed project by the City. Construction began September 2, 2016 and was completed January 28, 2017.

3.3.2.2 Moccasin Bend Wastewater Treatment Plant Hydraulic and Pump Improvements (completed)

The MBWWTP Hydraulic and Pump Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The existing influent and equalization PSs at the MBWWTP are currently rated at 120 and 140 MGD, respectively. The purpose of this project is to increase the pumping capacity at both stations in order to maximize flow through secondary treatment by designing and constructing upgrades to the PSs. The main features of the PS upgrade include rebuilding and upgrading the existing pumps, and upgrading the electrical components, variable frequency drives (“VFDs”), and instrumentation of the PSs. The NTP for professional services was issued on February 2, 2013 and the PER was submitted to the City on December 2, 2013. The final design was submitted to TDEC for review on September 6, 2014 and approval was received on October 20, 2014. Bidding began October 23, 2014, and the NTP for construction was issued in February 16, 2015. The substantial completion certificate for construction was submitted on December 19, 2016 and final completion was accepted June 20, 2017.

3.3.2.3 MBWWTP Bar and Fine Screen Replacements (completed)

The MBWWTP Bar and Fine Screen Replacements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The purpose of this project is to design and construct a solution which will improve screening and overall capacity at the plant. The main features of this project include installing and upgrading the concrete channel, installing new bar screens, upgrading the motor control center panel, upgrading and replacing the screw conveyors, belt conveyor and slide gates, and updating the electrical and instrumentation design. The NTP for professional services was issued December 30, 2011. Final design documents were completed and submitted to TDEC for review on September 6, 2014 and approval was received October 20, 2014. Bidding began October 23, 2014, and the NTP for construction was issued on February 16, 2015. The substantial completion certificate for construction was submitted on December 19, 2016 and final completion was accepted June 30, 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 PS 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 SCADA Upgrades

The MBWWTP Telemetry and SCADA Upgrades project is being performed pursuant to Paragraph 22 and Appendix C of the CD. This project involves updating and installing control and monitoring systems for reacting to and controlling equipment to convey wastewater to the MBWWTP. The design includes upgrading the existing Motorola radio system at all remote sites. The remote sites with a “high consequence of failure” will be added to the City’s Regional Public Safety Wireless Mesh Network to provide redundant communication. NTP for professional services was issued on January 23, 2013. The final design was completed and submitted to TDEC for review on October 16, 2015 and approval was received on November 10, 2015. Bidding began September 22, 2016 and construction began December 2, 2016. Construction is scheduled to be complete in the second half of 2017.

3.4 Long Term Control Plan (“LTCP”) Updates

3.4.1 LTCP-Additional Operational Plan (“AOP”)

The LTCP-Additional Operational Plan is being developed pursuant to Paragraph 24(a) of the CD. This program will result in a plan for the Chattanooga Creek CSO Outfalls (Central Avenue CSO and William Street CSO). The plan will augment Chattanooga’s current CSO control measures with additional long term controls to ensure that discharges from these CSOs meet State water quality standards. The NTP for professional services was issued March 13, 2015. Work on this plan continued through the second half of 2016, with several major milestones during the Reporting Period. Implementation of the sampling plan described in the Post Construction Compliance Monitoring Program yielded water quality and flow data that was used to begin calibrating the Cormix receiving water model. Unfortunately, 2016 had 36% less rain in Chattanooga than normal according to the City’s rain monitoring vendor and, thus, there were not enough discharge sampling events available during the monitoring period to validate the model. The National Oceanic and Atmospheric Administration (“NOAA”) predicted higher than normal precipitation for early 2017. In January 2017, the City submitted a 6-month extension to the AOP deadline in order to capture the discharge sampling events required to successfully validate the model. All water quality and flow samples have been obtained. Modeling and the development on the AOP report are ongoing. Project completion is scheduled for the second half of 2017.

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.

3.5 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

The Highland Park Green Infrastructure Demonstration Project (“State Project”) is currently being performed pursuant to Appendix D of the CD. The State Project involves retrofitting a portion of the Highland Park neighborhood in Chattanooga with green infrastructure through the use of green infrastructure practices such as streetscapes, pervious pavement, tree boxes, bio-swales and bio-retention facilities. The NTP for professional services was issued January 1, 2013. A project plan was developed and submitted to the EPA on October 24, 2013, and approval of the plan was received April 25, 2014. The final design was approved by the EPA on October 23, 2014. The bid phase began on December 1, 2016, and the commencement of the construction phase is scheduled for the second half of 2017.

3.8 Agawela Drive Stream Restoration – SEP

The SEP is being performed pursuant to Section VIII and Appendix E of the CD. The Agawela Drive Stream Restoration targets a tributary of the South Chickamauga Creek, which is currently on the 303(d) list for habitat alteration and sediment. The SEP involves restoration of a minimum of 1,500 LF of the tributary and is designed to significantly improve water quality of both the tributary and South Chickamauga Creek. The NTP for professional services was issued on January 23, 2013, and the PER was submitted to the City May 21, 2013. TDEC issued the Aquatic Resource Alternation Permit (“ARAP”) permit on August 17, 2015. Bidding began February 25, 2016 and the NTP for construction services was issued on June 27, 2016. The substantial completion certificate was submitted on December 24, 2016 and final completion is scheduled for the second half of 2017.

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 SSOs, CSO discharges and bypasses at the MBWWTP;
- Semi-Annual Work Progress Reports, including CD deliverable milestones achieved in the last 6 months and projections for activities anticipated to be completed in the following 6 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 – 15;
- Semi-Annual Work Progress Reports 1 – 7, and
- Annual Report 1 - 4.

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

- Quarterly Reports 16 and 17;
- Semi-Annual Work Progress Report 8; and
- Annual report 5.

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 22, 2017, the United States made a demand for stipulated penalties in the amount of \$93,850 covering the period of July 1, 2014 through December 31, 2016 under the consent decree. The payment was made July 18, 2017.

4.0 Additional Work

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 (complete)

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

4.3 Citico PS and CSOTF Upgrades

The Citico PS and CSOTF Upgrades project involves the design and construction of pumping improvements to the Citico CSOTF to restore ISS capacity, improve reliability, reduce SSOs, and comply with State and Federal regulations. The project includes an evaluation of the Citico PS to determine improvements necessary to operate the PS at design capacity as well as design and construction oversight of the selected improvements. A consultant has been contracted to perform the design and the NTP for professional services was issued on January 27, 2015. TDEC approval of the plans was received July 13, 2016. Bidding commenced August 11, 2016 and construction is estimated to be complete in the second half of 2017.

4.4 South Chick PS Phase II and Spring Creek PS Upgrades

The 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 will also evaluate and design improvements for the Spring Creek PS in order to meet or exceed the rated

capacity of the existing PS. Improvements for both pumping stations have been scoped under a single contract. The NTP for professional services was awarded on May 6, 2015. Comments were received from TDEC on May 4, 2016 and plans were resubmitted May 16, 2016. TDEC approval was received August 3, 2016. Bidding commenced on August 11, 2016 and the NTP for construction services was issued October 17, 2016 and construction for rehabilitation of the Northwest Georgia Interceptor was completed April 10, 2017. Additional evaluation of the Spring Creek PS force main using SmartBall technology to determine force main defects will be completed in the second half of 2017.

4.5 Carter Street Sewer Rehabilitation (completed)

The Carter Street Sewer Rehabilitation project consists of the rehabilitation of approximately 830 LF of 21-inch sewer from under an abandoned industrial landfill that connects the Carter Street sewer with the Tannery Flats Interceptor. This project will improve the reliability and structural integrity of the existing pipe and will remove unwanted inflow and infiltration for the system. Trenchless technology methods are being analyzed to reduce construction and permitting costs. The NTP for professional services was awarded on September 7, 2012. The project was re-submitted to TDEC for review and approval February 19, 2016 and approval was received April 1, 2016. Bidding commenced April 28, 2016 and the NTP for construction services was issued August 24, 2016. The certificate of substantial completion was issued December 16, 2016 and final completion was accepted December 28, 2016.

4.6 MBWWTP – Detritors Rehabilitation

This project involves the rehabilitation and upgrade of the influent grit detritors and related splitter box at the MBWWTP. This project will improve reliability and prevent equipment failure that could lead to bypasses during peak flows by updating aging infrastructure. The NTP for professional services was awarded on July 1, 2015. The project was submitted to TDEC for approval on October 28, 2016. Bidding was complete March 25, 2017 and construction began March 26, 2017. Construction is anticipated to be complete in the first half of 2018.

4.7 Friar's Branch-South Chick Creek 5 Interceptor Rehabilitation

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, service pipeline, and associated manholes were designated to be rehabilitated. The PER was approved February 2, 2016 and the project is in the detailed design phase. Bidding is expected to commence in the second half of 2017.

4.8 MBWWTP-Control Room Upgrades

This project involves improvements to the existing MBWWTP control room with including building renovations, computer hardware, software, and logic coding upgrades to the SCADA System. The upgrades will allow the Waste Resources Division (“WRD”) to operate and manage the wastewater system more efficiently and reliable through the SCADA system. The NTP for professional services was awarded on November 30, 2015. Bidding commenced on May 16, 2017 and construction is anticipated to begin in the second half of 2017.

4.9 Citico PS Reliability Improvements

This project consists of the addition of an emergency backup pumping system, the addition of an emergency standby generator that is capable of running the entire station at its rated flowrate of 117 MGD, and electrical reliability improvements. The NTP for professional services was issued November 23, 2016. Construction bidding began May 16, 2017, and construction is scheduled to begin in the second half of 2017.

4.10 Brainerd Golf Course PS 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 upgrades will allow the station to increase its capacity, performance and reliability and help to reduce SSOs in the area. The Request for Quotation (“RFQ”) for professional services was issued on December 20, 2016, and it is anticipated that the planning and design phase will begin in the second half of 2017.

4.11 Wet Weather Combined Sewer Storage – Phase 1

This project involves the construction of wet weather storage strategically placed throughout the collection system, which can store peak wet weather flows, prevent SSOs, and meet the future capacity requirements as set forth in the CD. The project will also increase reliability throughout the combined and sanitary sewer system in the event of a power or mechanical failure. This project will provide the City with the system capacity necessary to approve future developments and promote growth throughout the City and surrounding areas. The completion of the procurement of professional services and the commencement of the planning phase is anticipated for the second half of 2017.

4.12 MBWWTP Secondary Clarifier Upgrades and Additions

The MBWWTP Secondary Upgrades and Additions project is required under Paragraph 22 and Appendix C of the CD. The project will provide evaluation and design of improvements to increase the MBWWTP secondary treatment capacity from 140 MGD to 150 MGD. Improvements involve the addition of two new secondary clarifiers, flow control to new and

existing clarifiers, additional chlorine contact volume, and associated yard piping. An evaluation of the liquid stream processes at the plant will also be conducted. The NTP for professional services was issued February 12, 2015 and the PER was completed in November of 2015. The detailed design was completed and submitted to TDEC for approval on May 16, 2016 and approval was received July 7, 2016. Bidding began July 20, 2016. Bidding was completed March 27, 2017 and construction commenced March 28, 2017. The project is anticipated to be complete in the second half of 2018.

4.13 CSOTF Study (completed)

The CSOTF Study was performed in order to evaluate and recommend improvements to the structures, operations, or maintenance to maximize the permitted use of the CSOTFs and reduce unpermitted overflows at EB/WB. Jacobs Engineering began this study in May 2013, and completed it in May 2017. With regard to the recommendations from the study, CSOTF improvements will be made in a three-phased approach: 1) adjusting local CSOTF controls; 2) adjusted CSOTF controls based on WB interceptor pipe flow level; and 3) adjusting CSOTF controls based on real time control strategies implemented at each facility. Specific tasks to be performed include the following: 1) Install depth, flow, velocity meters at critical CSOTFs at influent, bypass, and discharge (to be completed in the second half of 2017); 2) Lower diversion trigger level at Central Ave CSOTF to better utilize treatment capacity during wet weather events (scheduled to begin in the second half of 2017); 3) Lower diversion trigger level at MLK CSOTF to better utilize treatment capacity during wet weather events (scheduled to begin in the second half of 2017); 4) Lower diversion trigger level at Citico Ave. CSOTF to better utilize treatment capacity during wet weather events (scheduled to begin in the second half of 2017 after Citico CSOTF and PS Upgrades project is completed); and 5) Various O&M tasks planned at different CSOTFs (scheduled to begin in the second half of 2017). These tasks will be reported on as a separate project in future semi-annual reports.

Appendix A

Project Schedules Gantt Chart

Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013-2020																							
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Chattanooga Consent Decree Deliverables Schedule																														
Program Milestones																														
Program Milestones																														
Consent Decree Effective Date																														
PROGRAM MILESTONES																														
OO1000	Consent Decree Effective Date	0	24-Apr-13 A	24-Apr-13	24-Apr-13 A	24-Apr-13																								
Section II - Applicability																														
Para 5 - Distribute CD																														
Distribute Consent Decree																														
Consent Decree Duration (1 Month)																														
BA1010	Distribute CD to All Entities/People Who Will Have Duties Associated with Compliance of CD	30	24-Apr-13 A	24-Apr-13	24-May-13 A	24-May-13																								
Section V - Review / Certification of Deliverables																														
Para 9 - Public Document Repository																														
Public Document Repository																														
Consent Decree Duration																														
BB1010	Set up PDR Before First Reviewable CD Submittal is Due	169	24-Apr-13 A	24-Apr-13	10-Oct-13 A	10-Oct-13																								
Section VI - Compliance Requirements																														
Para 19 - Community Input Plan																														
Community Input Plan																														
Consent Decree Duration																														
A4310	Consent Decree Duration	214	24-Apr-13 A	24-Apr-13	24-Nov-13 A	24-Nov-13																								
Community Input Plan																														
BC1020	Community Input Plan Submitted to WWRAB	0	25-Nov-13 A	25-Nov-13	25-Nov-13 A	25-Nov-13																								
BC1010	Community Input Plan Development	214	24-Apr-13 A	24-Apr-13	24-Nov-13 A	24-Nov-13																								
Para 20 - CMOM																														
CMOM-Sewer Overflow Response Protocol (SORP)																														
Consent Decree Duration (7 Months)																														
OA0110	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	25-Nov-13 A	25-Nov-13																								
OA0100	Consent Decree Duration (7 Months)	215	24-Apr-13 A	24-Apr-13	25-Nov-13 A	25-Nov-13																								
Project Procurement																														
OA0200	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12																								
Planning Phase																														
OA1000	Planning Phase	464	15-Jul-12 A	15-Jul-12	22-Oct-13 A	22-Oct-13																								
OA0010	Administration Period	229	15-Jul-12 A	15-Jul-12	28-Feb-13 A	28-Feb-13																								
Public Document Repository																														
OA2000	Submit Draft Deliverable to Reference Librarian	0	23-Oct-13 A	23-Oct-13	23-Oct-13 A	23-Oct-13																								
OA2040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0	23-Oct-13 A	23-Oct-13	25-Nov-13 A	25-Nov-13																								
OA2020	Public Review Period	31	24-Oct-13 A	24-Oct-13	24-Nov-13 A	24-Nov-13																								
OA2030	Public Comment Review Period	2	23-Nov-13 A	23-Nov-13	25-Nov-13 A	25-Nov-13																								
OA2010	Post Copy of Draft Deliverable on City's Website	0	23-Oct-13 A	23-Oct-13	23-Oct-13 A	23-Oct-13																								
EPA and TDEC Approvals																														
OA0930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	30-May-14 A	30-May-14	05-Jun-14 A	05-Jun-14																								



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013			2014			2015			2016			2017			2018			2019			2020		
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
OA0900	Place Copy of EPA and TDEC Submittal in PDR	8	26-Nov-13 A	26-Nov-13	04-Dec-13 A	04-Dec-13																								
OA0910	EPA / TDEC Review	183	26-Nov-13 A	26-Nov-13	28-May-14 A	28-May-14																								
OA0920	Address Comments for Final EPA / TDEC Approval	62	29-Mar-14 A	29-Mar-14	29-May-14 A	29-May-14																								
CMOM-Emergency Response Plan		1153	18-Oct-12 A	18-Oct-12	14-Dec-15 A	14-Dec-15																								
Consent Decree Duration (19 Months)		580	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14																								
OB0110	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14																								
OB0100	Consent Decree Duration (19 Months)	580	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14																								
Project Procurement		45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12																								
OB1020	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12																								
OB1030	PMO Approved Agreement to Council for Approval	18	18-Oct-12 A	18-Oct-12	04-Nov-12 A	04-Nov-12																								
OB1040	Consultant Signed Agreement to City for Execution	14	18-Oct-12 A	18-Oct-12	31-Oct-12 A	31-Oct-12																								
OB1010	Consultant develops and Submit Scope and Cost proposal	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12																								
OB1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12																								
Planning Phase		628	23-Jan-13 A	23-Jan-13	12-Oct-14 A	12-Oct-14																								
OB2010	Program Manager / Owner Review and Coordination	53	21-Aug-14 A	21-Aug-14	12-Oct-14 A	12-Oct-14																								
OB2000	Planning Phase	575	23-Jan-13 A	23-Jan-13	20-Aug-14 A	20-Aug-14																								
Public Document Repository		40	12-Oct-14 A	12-Oct-14	20-Nov-14 A	20-Nov-14																								
OB3000	Submit Draft Deliverable to Reference Librarian	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14																								
OB3040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			20-Nov-14 A	20-Nov-14																								
OB3020	Public Review Period	37	12-Oct-14 A	12-Oct-14	17-Nov-14 A	17-Nov-14																								
OB3030	Public Comment Review Period	3	18-Nov-14 A	18-Nov-14	20-Nov-14 A	20-Nov-14																								
OB3010	Post Copy of Draft Deliverable on City's Website	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14																								
EPA and TDEC Approvals		389	21-Nov-14 A	21-Nov-14	14-Dec-15 A	14-Dec-15																								
OB0930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	08-Dec-15 A	08-Dec-15	14-Dec-15 A	14-Dec-15																								
OB0900	Place Copy of EPA and TDEC Submittal in PDR	4	21-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14																								
OB0910	EPA / TDEC Review	112	21-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15																								
OB0920	Address Comments for Final EPA / TDEC Approval	137	13-Mar-15 A	13-Mar-15	28-Jul-15 A	28-Jul-15																								
CMOM-Fats, Oils, and Grease (FOG) Mgmt. Plan		880	15-Jul-12 A	15-Jul-12	12-Dec-14 A	12-Dec-14																								
Consent Decree Duration (13 Months)		398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14																								
OC0110	Consent Decree Duration Completion Milestone	0			27-May-14 A	27-May-14																								
OC0100	Consent Decree Duration	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14																								
Project Procurement		0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12																								
OC1000	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12																								
Planning Phase		639	15-Jul-12 A	15-Jul-12	15-Apr-14 A	15-Apr-14																								
OC1020	Program Manager / Owner Review and Coordination	57	17-Feb-14 A	17-Feb-14	15-Apr-14 A	15-Apr-14																								
OC1010	Planning Phase	159	10-Sep-13 A	10-Sep-13	16-Feb-14 A	16-Feb-14																								
OC1005	Administration Period	421	15-Jul-12 A	15-Jul-12	09-Sep-13 A	09-Sep-13																								
Public Document Repository		41	16-Apr-14 A	16-Apr-14	27-May-14 A	27-May-14																								
OC2000	Submit Draft Deliverable to Reference Librarian	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14																								



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020			
							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			
OC2040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			27-May-14 A	27-May-14																														
OC2020	Public Review Period	30	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14																														
OC2030	Public Comment Review Period	9	18-May-14 A	18-May-14	27-May-14 A	27-May-14																														
OC2010	Post Copy of Draft Deliverable on City's Website	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14																														
EPA and TDEC Approvals		198	28-May-14 A	28-May-14	12-Dec-14 A	12-Dec-14																														
OC0930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	12-Dec-14 A	12-Dec-14	12-Dec-14 A	12-Dec-14																														
OC0900	Place Copy of EPA and TDEC Submittal in PDR	8	28-May-14 A	28-May-14	05-Jun-14 A	05-Jun-14																														
OC0910	EPA / TDEC Review	35	28-May-14 A	28-May-14	02-Jul-14 A	02-Jul-14																														
OC0920	Address Comments for Final EPA / TDEC Approval	162	03-Jul-14 A	03-Jul-14	12-Dec-14 A	12-Dec-14																														
CMOM-Gravity Line Preventive Maint. Program		782	18-Oct-12 A	18-Oct-12	09-Dec-14 A	09-Dec-14																														
Consent Decree Duration (13 Months)		398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14																														
OD1120	Consent Decree Duration Completion Milestone	0			27-May-14 A	27-May-14																														
OD1110	Consent Decree Duration (13 Months)	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14																														
Project Procurement		97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13																														
OD1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12																														
OD1150	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13																														
OD1160	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13																														
OD1130	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12																														
OD1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12																														
Planning Phase		448	23-Jan-13 A	23-Jan-13	16-Apr-14 A	16-Apr-14																														
OD1170	Program Manager / Owner Review and Coordination	18	29-Mar-14 A	29-Mar-14	16-Apr-14 A	16-Apr-14																														
OD1010	Planning Phase	429	23-Jan-13 A	23-Jan-13	28-Mar-14 A	28-Mar-14																														
Public Document Repository		34	17-Apr-14 A	17-Apr-14	21-May-14 A	21-May-14																														
OD1020	Submit Draft Deliverable to Reference Librarian	0	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17-Apr-14																														
OD1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			21-May-14 A	21-May-14																														
OD1040	Public Review Period	30	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14																														
OD1050	Public Comment Review Period	3	18-May-14 A	18-May-14	21-May-14 A	21-May-14																														
OD1030	Post Copy of Draft Deliverable on City's Website	0	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17-Apr-14																														
EPA and TDEC Approvals		201	22-May-14 A	22-May-14	09-Dec-14 A	09-Dec-14																														
OD1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	3	06-Dec-14 A	06-Dec-14	09-Dec-14 A	09-Dec-14																														
OD1070	Place Copy of EPA and TDEC Submittal in PDR	5	22-May-14 A	22-May-14	27-May-14 A	27-May-14																														
OD1080	EPA / TDEC Review	46	22-May-14 A	22-May-14	07-Jul-14 A	07-Jul-14																														
OD1090	Address Comments for Final EPA / TDEC Approval	150	08-Jul-14 A	08-Jul-14	05-Dec-14 A	05-Dec-14																														
CMOM-PS Operations and Preventive Maint. Programs		1099	18-Oct-12 A	18-Oct-12	22-Oct-15 A	22-Oct-15																														
Consent Decree Duration (19 Months)		580	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14																														
OE1120	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14																														
OE1110	Consent Decree Duration	579	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14																														
Project Procurement		97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13																														
OE3110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12																														



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020	
							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
OE3120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	Approved Agreement to Council for Approval																											
OE3130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Consultant Signed Agreement to City for Execution																											
OE3100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																											
OE1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																											
Planning Phase							Planning Phase																											
OE1130	Program Manager / Owner Review and Coordination	12	30-Sep-14 A	30-Sep-14	12-Oct-14 A	12-Oct-14	Program Manager / Owner Review and Coordination																											
OE1010	Planning Phase	613	24-Jan-13 A	24-Jan-13	29-Sep-14 A	29-Sep-14	Planning Phase																											
Public Document Repository							Public Document Repository																											
OE1020	Submit Draft Deliverable to Reference Librarian	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	Submit Draft Deliverable to Reference Librarian																											
OE1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			18-Nov-14 A	18-Nov-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																											
OE1040	Public Review Period	35	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14	Public Review Period																											
OE1050	Public Comment Review Period	0	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14	Public Comment Review Period																											
OE1030	Post Copy of Draft Deliverable on City's Website	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	Post Copy of Draft Deliverable on City's Website																											
EPA and TDEC Approvals							EPA and TDEC Approvals																											
OE1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	22-Oct-15 A	22-Oct-15	22-Oct-15 A	22-Oct-15	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																											
OE1070	Place Copy of EPA and TDEC Submittal in PDR	6	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14	Place Copy of EPA and TDEC Submittal in PDR																											
OE1080	EPA / TDEC Review	113	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15	EPA / TDEC Review																											
OE1090	Address Comments for Final EPA / TDEC Approval	223	13-Mar-15 A	13-Mar-15	22-Oct-15 A	22-Oct-15	Address Comments for Final EPA / TDEC Approval																											
CMOM-Hydraulic Model Development							CMOM-Hydraulic Model Development																											
Consent Decree Duration (37 Months)							Consent Decree Duration (37 Months)																											
OF1120	Consent Decree Duration Completion Milestone	0			24-May-16 A	24-May-16	Consent Decree Duration Completion Milestone																											
OF1110	Consent Decree Duration	1126	24-Apr-13 A	24-Apr-13	24-May-16 A	24-May-16	Consent Decree Duration																											
Project Procurement							Project Procurement																											
OF1005	PM Procurement	62	26-Nov-08 A	26-Nov-08	26-Jan-09 A	26-Jan-09	PM Procurement																											
Planning Phase							Planning Phase																											
OF1130	Program Manager / Owner Review and Coordination	23	30-Apr-16 A	30-Apr-16	23-May-16 A	23-May-16	Program Manager / Owner Review and Coordination																											
OF1010	Planning Phase	2639	27-Jan-09 A	27-Jan-09	30-Apr-16 A	30-Apr-16	Planning Phase																											
OF1006	Administration Period	2639	27-Jan-09 A	27-Jan-09	30-Apr-16 A	30-Apr-16	Administration Period																											
Public Document Repository							Public Document Repository																											
OF1141	Submit Draft Deliverable to Reference Librarian	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16	Submit Draft Deliverable to Reference Librarian																											
OF1145	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			24-May-16 A	24-May-16	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																											
OF1143	Public Review Period	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16	Public Review Period																											
OF1144	Public Comment Review Period	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16	Public Comment Review Period																											
OF1142	Post Copy of Draft Deliverable on City's Website	1	24-May-16 A	24-May-16	24-May-16 A	24-May-16	Post Copy of Draft Deliverable on City's Website																											
EPA and TDEC Approvals							EPA and TDEC Approvals																											
OF1151	Notification of Completion to EPA, DEC, TCWN	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16	Notification of Completion to EPA, DEC, TCWN																											
CMOM-Capacity Assurance Program							CMOM-Capacity Assurance Program																											
Consent Decree Duration (37 Months)							Consent Decree Duration (37 Months)																											
OG1120	Consent Decree Duration Completion Milestone	0			24-May-16 A	24-May-16	Consent Decree Duration Completion Milestone																											



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Gantt Chart (2013-2020)																							
							2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1
OG1110	Consent Decree Duration	1126	24-Apr-13 A	24-Apr-13	24-May-16 A	24-May-16	Consent Decree Duration (13 Months)																							
Project Procurement																														
OG1000	PM Procurement	821	15-Jul-12 A	15-Jul-12	14-Oct-14 A	14-Oct-14	PM Procurement																							
Planning Phase																														
OG1130	Program Manager / Owner Review and Coordination	111	23-Dec-15 A	23-Dec-15	12-Apr-16 A	12-Apr-16	Program Manager / Owner Review and Coordination																							
OG1010	Planning Phase	434	15-Oct-14 A	15-Oct-14	22-Dec-15 A	22-Dec-15	Planning Phase																							
OG1005	Administration Period	821	15-Jul-12 A	15-Jul-12	14-Oct-14 A	14-Oct-14	Administration Period																							
Public Document Repository																														
OG1020	Submit Draft Deliverable to Reference Librarian	41	13-Apr-16 A	13-Apr-16	23-May-16 A	23-May-16	Public Document Repository																							
OG1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0	13-Apr-16 A	13-Apr-16	13-Apr-16 A	13-Apr-16	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																							
OG1040	Public Review Period	30	13-Apr-16 A	13-Apr-16	13-May-16 A	13-May-16	Public Review Period																							
OG1050	Public Comment Review Period	10	14-May-16 A	14-May-16	23-May-16 A	23-May-16	Public Comment Review Period																							
OG1030	Post Copy of Draft Deliverable on City's Website	0	13-Apr-16 A	13-Apr-16	13-Apr-16 A	13-Apr-16	Post Copy of Draft Deliverable on City's Website																							
EPA and TDEC Approvals																														
OG1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	127	24-May-16 A	24-May-16	28-Sep-16 A	28-Sep-16	EPA and TDEC Approvals																							
OG1070	Place Copy of EPA and TDEC Submittal in PDR	68	21-Sep-16 A	21-Sep-16	28-Sep-16 A	28-Sep-16	Place Copy of EPA and TDEC Submittal in PDR																							
OG1080	EPA / TDEC Review	28	24-May-16 A	24-May-16	31-Jul-16 A	31-Jul-16	EPA / TDEC Review																							
OG1090	Address Comments for Final EPA / TDEC Approval	90	22-Jun-16 A	22-Jun-16	20-Sep-16 A	20-Sep-16	Address Comments for Final EPA / TDEC Approval																							
CMOM-Inter-Jurisdictional Agreement Program																														
Consent Decree Duration (13 Months)																														
OH1120	Consent Decree Duration Completion Milestone	398	15-Jul-12 A	15-Jul-12	16-Sep-14 A	16-Sep-14	Consent Decree Duration (13 Months)																							
OH1110	Consent Decree Duration	0	24-Apr-13 A	24-Apr-13	21-May-14 A	21-May-14	Consent Decree Duration Completion Milestone																							
OH1110	Consent Decree Duration	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration																							
Project Procurement																														
OH1000	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	PM Procurement																							
Planning Phase																														
OH1130	Program Manager / Owner Review and Coordination	634	15-Jul-12 A	15-Jul-12	10-Apr-14 A	10-Apr-14	Program Manager / Owner Review and Coordination																							
OH1010	Planning Phase	68	01-Feb-14 A	01-Feb-14	10-Apr-14 A	10-Apr-14	Planning Phase																							
OH1005	Administration Period	322	16-Mar-13 A	16-Mar-13	31-Jan-14 A	31-Jan-14	Administration Period																							
Public Document Repository																														
OH1020	Submit Draft Deliverable to Reference Librarian	244	15-Jul-12 A	15-Jul-12	15-Mar-13 A	15-Mar-13	Public Document Repository																							
OH1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	35	16-Apr-14 A	16-Apr-14	21-May-14 A	21-May-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																							
OH1040	Public Review Period	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	Public Review Period																							
OH1050	Public Comment Review Period	30	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	Public Comment Review Period																							
OH1030	Post Copy of Draft Deliverable on City's Website	3	18-May-14 A	18-May-14	21-May-14 A	21-May-14	Post Copy of Draft Deliverable on City's Website																							
EPA and TDEC Approvals																														
OH1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	EPA and TDEC Approvals																							
OH1070	Place Copy of EPA and TDEC Submittal in PDR	117	22-May-14 A	22-May-14	16-Sep-14 A	16-Sep-14	Place Copy of EPA and TDEC Submittal in PDR																							
OH1080	EPA / TDEC Review	5	22-May-14 A	22-May-14	27-May-14 A	27-May-14	EPA / TDEC Review																							
OH1090	Address Comments for Final EPA / TDEC Approval	117	22-May-14 A	22-May-14	16-Sep-14 A	16-Sep-14	Address Comments for Final EPA / TDEC Approval																							



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



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Gantt Chart (2013-2020)																							
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan							SSES Work Plan																							
SSES Work Plan							Consent Decree Duration (19 Months)																							
OI1120	Consent Decree Duration Completion Milestone	0	15-Jul-12 A	15-Jul-12	20-Jul-15 A	20-Jul-15	Consent Decree Duration Completion Milestone																							
OI1110	Consent Decree Duration	579	15-Jul-12 A	15-Jul-12	20-Jul-15 A	20-Jul-15	Consent Decree Duration																							
Project Procurement							Consent Decree Duration (19 Months)																							
OI1000	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	Consent Decree Duration																							
Planning Phase							Consent Decree Duration (19 Months)																							
OI1130	Program Manager / Owner Review and Coordination	34	15-Jul-12 A	15-Jul-12	16-Oct-14 A	16-Oct-14	Program Manager / Owner Review and Coordination																							
OI1010	Planning Phase	605	15-Jul-12 A	15-Jul-12	16-Oct-14 A	16-Oct-14	Planning Phase																							
OI1005	Administration Phase	184	15-Jul-12 A	15-Jul-12	16-Oct-14 A	16-Oct-14	Administration Phase																							
Public Document Repository							Consent Decree Duration (19 Months)																							
OI1020	Submit Draft Deliverable to Reference Librarian	0	17-Oct-14 A	17-Oct-14	20-Nov-14 A	20-Nov-14	Submit Draft Deliverable to Reference Librarian																							
OI1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0	17-Oct-14 A	17-Oct-14	20-Nov-14 A	20-Nov-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																							
OI1040	Public Review Period	30	18-Oct-14 A	18-Oct-14	17-Nov-14 A	17-Nov-14	Public Review Period																							
OI1050	Public Comment Review Period	0	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14	Public Comment Review Period																							
OI1030	Post Copy of Draft Deliverable on City's Website	0	17-Oct-14 A	17-Oct-14	17-Oct-14 A	17-Oct-14	Post Copy of Draft Deliverable on City's Website																							
EPA and TDEC Approvals							Consent Decree Duration (19 Months)																							
OI1090	TDEC Review and Approval	111	21-Nov-14 A	21-Nov-14	20-Jul-15 A	20-Jul-15	TDEC Review and Approval																							
OI1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	6	14-Jul-15 A	14-Jul-15	20-Jul-15 A	20-Jul-15	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																							
OI1092	Revise Submittal Documents	52	13-Mar-15 A	13-Mar-15	04-May-15 A	04-May-15	Revise Submittal Documents																							
OI1070	Place Copy of EPA and TDEC Submittal in PDR	3	21-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14	Place Copy of EPA and TDEC Submittal in PDR																							
OI1096	Final TDEC Review and Approval	34	09-Jun-15 A	09-Jun-15	13-Jul-15 A	13-Jul-15	Final TDEC Review and Approval																							
OI1094	Final EPA Review and Approval	34	05-May-15 A	05-May-15	08-Jun-15 A	08-Jun-15	Final EPA Review and Approval																							
OI1080	EPA Review and Approval	111	21-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15	EPA Review and Approval																							
Focused SSES and Rehab - Chattanooga Creek 4							SSES and Rehab - Chattanooga Creek 4																							
Consent Decree Duration (87 Months)							Consent Decree Duration (87 Months)																							
OJ1120	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	27-Jul-20* A	27-Jul-20*	Consent Decree Duration Completion Milestone																							
OJ1110	Consent Decree Duration	2652	24-Apr-13 A	24-Apr-13	27-Jul-20* A	27-Jul-20*	Consent Decree Duration																							
Project Procurement							Consent Decree Duration (87 Months)																							
OJ3030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	128	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	PMO Reviews/ Negotiates and Approve Proposal / Agreement																							
OJ3040	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	PMO Approved Agreement to Council for Approval																							
OJ3050	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	Consultant Signed Agreement to City for Execution																							
OJ3020	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	Consultant develops and Submit Scope and Cost proposal																							
OJ3010	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																							
Planning Phase							Consent Decree Duration (87 Months)																							
OJ1130	SRF Facility Plan Approval	180	24-Oct-13 A	24-Oct-13	22-Apr-14 A	22-Apr-14	SRF Facility Plan Approval																							
OJ1010	Planning Phase	358	29-Apr-13 A	29-Apr-13	22-Apr-14 A	22-Apr-14	Planning Phase																							
Engineering Phase							Consent Decree Duration (87 Months)																							
OJ1030	SRF Approval of Contract Documents	101	11-Jul-14 A	11-Jul-14	08-Jul-16 A	08-Jul-16	SRF Approval of Contract Documents																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013												2014				2015				2016				2017				2018				2019				2020	
							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					
OL1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12A	12-Dec-12	15-Feb-13A	15-Feb-13	Qualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																					
Planning Phase							Planning Phase																																					
OL1000	Planning Phase	828	26-Jun-13A	26-Jun-13	01-Oct-15A	01-Oct-15	Planning Phase																																					
Engineering Phase							Engineering Phase																																					
OL1020	SRF Approval of Contract Documents	177	08-Dec-16A	08-Dec-16	02-Jun-17		SRF Approval of Contract Documents, SRF Approval of Contract Documents																																					
OL1010	Engineering	665	11-Feb-15A	11-Feb-15	07-Dec-16A	07-Dec-16	Engineering																																					
Construction Bidding Phase							Construction Bidding Phase																																					
OL1075	SRF Administration Period	8	21-Jul-17		28-Jul-17		SRF Administration Period																																					
OL1070	Construction Bidding Phase	204	29-Dec-16A	29-Dec-16	20-Jul-17		Construction Bidding Phase, Construction Bidding Phase																																					
Construction Phase							Construction Phase																																					
OL1080	Construction Phase	213	29-Jul-17		26-Feb-18		Construction Phase																																					
Project Completion Report							Project Completion Report																																					
OI2110	Project Completion Report	0	27-Feb-18		27-Feb-18		Project Completion Report																																					
EPA and TDEC Approvals							EPA and TDEC Approvals																																					
OL1030	Notification of Completion to EPA, TDEC, TCWN	0	27-Feb-18		27-Feb-18		Notification of Completion to EPA, TDEC, TCWN																																					
Focused SSES and Rehab - South Chick Creek 5							Focused SSES and Rehab - South Chick Creek 5																																					
Consent Decree Duration (87 Months)							Consent Decree Duration (87 Months)																																					
OM1050	Consent Decree Duration Completion Milestone	0			27-Jul-20*		Consent Decree Duration; Consent Decree Duration																																					
OM1040	Consent Decree Duration	2652	24-Apr-13A	24-Apr-13	27-Jul-20*		Consent Decree Duration; Consent Decree Duration																																					
Project Procurement							Project Procurement																																					
OM1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13A	02-Mar-13	15-Mar-13A	15-Mar-13	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																					
OM1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13A	16-Mar-13	22-Mar-13A	22-Mar-13	PMO Approved Agreement to Council for Approval																																					
OM1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13A	23-Mar-13	18-Apr-13A	18-Apr-13	Consultant Signed Agreement to City for Execution																																					
OM1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13A	16-Feb-13	01-Mar-13A	01-Mar-13	Consultant develops and Submit Scope and Cost proposal																																					
OM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12A	12-Dec-12	15-Feb-13A	15-Feb-13	Qualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																					
Planning Phase							Planning Phase																																					
OM1060	SRF Facility Plan Approval	186	24-Oct-13A	24-Oct-13	28-Apr-14A	28-Apr-14	SRF Facility Plan Approval																																					
OM1000	Planning Phase	620	03-Jun-13A	03-Jun-13	13-Feb-15A	13-Feb-15	Planning Phase																																					
Engineering Phase							Engineering Phase																																					
OM1020	SRF Approval of Contract Documents	94	08-Nov-16A	08-Nov-16	10-Feb-17A	10-Feb-17	SRF Approval of Contract Documents																																					
OM1010	Engineering	642	13-Feb-15A	13-Feb-15	16-Nov-16A	16-Nov-16	Engineering																																					
Construction Bidding Phase							Construction Bidding Phase																																					
OM1075	SRF Administration Period	13	16-Mar-17A	16-Mar-17	29-Mar-17A	29-Mar-17	SRF Administration Period																																					
OM1070	Construction Bidding Phase	127	08-Nov-16A	08-Nov-16	15-Mar-17A	15-Mar-17	Construction Bidding Phase																																					
Construction Phase							Construction Phase																																					
OM1080	Construction Phase	169	30-May-17A	30-May-17	14-Nov-17A	14-Nov-17	Construction Phase, Construction Phase																																					
Project Completion Report							Project Completion Report																																					
OI2120	Project Completion Report	0	15-Nov-17		15-Nov-17		Project Completion Report																																					
EPA and TDEC Approvals							EPA and TDEC Approvals																																					
OM1030	Notification of Completion to EPA, TDEC, TCWN	0	15-Nov-17		15-Nov-17		Notification of Completion to EPA, TDEC, TCWN																																					
Focused SSES and Rehab - South Chick Creek 16							Focused SSES and Rehab - South Chick Creek 16																																					
Consent Decree Duration (87 Months)							Consent Decree Duration (87 Months)																																					
ON1050	Consent Decree Duration Completion Milestone	0			27-Jul-20*		Consent Decree Duration; Consent Decree Duration																																					
ON1040	Consent Decree Duration	2652	24-Apr-13A	24-Apr-13	27-Jul-20*		Consent Decree Duration; Consent Decree Duration																																					
Project Procurement							Project Procurement																																					
OM1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13A	02-Mar-13	15-Mar-13A	15-Mar-13	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																					
OM1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13A	16-Mar-13	22-Mar-13A	22-Mar-13	PMO Approved Agreement to Council for Approval																																					
OM1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13A	23-Mar-13	18-Apr-13A	18-Apr-13	Consultant Signed Agreement to City for Execution																																					
OM1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13A	16-Feb-13	01-Mar-13A	01-Mar-13	Consultant develops and Submit Scope and Cost proposal																																					
OM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12A	12-Dec-12	15-Feb-13A	15-Feb-13	Qualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																					
Planning Phase							Planning Phase																																					
OM1060	SRF Facility Plan Approval	186	24-Oct-13A	24-Oct-13	28-Apr-14A	28-Apr-14	SRF Facility Plan Approval																																					
OM1000	Planning Phase	620	03-Jun-13A	03-Jun-13	13-Feb-15A	13-Feb-15	Planning Phase																																					
Engineering Phase							Engineering Phase																																					
OM1020	SRF Approval of Contract Documents	94	08-Nov-16A	08-Nov-16	10-Feb-17A	10-Feb-17	SRF Approval of Contract Documents																																					
OM1010	Engineering	642	13-Feb-15A	13-Feb-15	16-Nov-16A	16-Nov-16	Engineering																																					
Construction Bidding Phase							Construction Bidding Phase																																					
OM1075	SRF Administration Period	13	16-Mar-17A	16-Mar-17	29-Mar-17A	29-Mar-17	SRF Administration Period																																					
OM1070	Construction Bidding Phase	127	08-Nov-16A	08-Nov-16	15-Mar-17A	15-Mar-17	Construction Bidding Phase																																					
Construction Phase							Construction Phase																																					
OM1080	Construction Phase	169	30-May-17A	30-May-17	14-Nov-17A	14-Nov-17	Construction Phase, Construction Phase																																					
Project Completion Report							Project Completion Report																																					
OI2120	Project Completion Report	0	15-Nov-17		15-Nov-17		Project Completion Report																																					
EPA and TDEC Approvals							EPA and TDEC Approvals																																					
OM1030	Notification of Completion to EPA, TDEC, TCWN	0	15-Nov-17		15-Nov-17		Notification of Completion to EPA, TDEC, TCWN																																					



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020		
							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
ON1090	Previously Procured Consent Decree Projects	1	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																													
Planning Phase																																			
ON1060	SRF Facility Plan Approval	201	07-Sep-12 A	07-Sep-12	30-May-13 A	30-May-13	█	█																											
ON1000	Planning Phase	797	25-Mar-11 A	25-Mar-11	30-May-13 A	30-May-13	█	█																											
Engineering Phase																																			
ON1020	SRF Approval of Contract Documents	129	30-Mar-13 A	30-Mar-13	06-Aug-13 A	06-Aug-13	█	█																											
ON1010	Engineering	368	27-Mar-12 A	27-Mar-12	29-Mar-13 A	29-Mar-13	█	█																											
Construction Bidding Phase																																			
ON1075	SRF Administration Period	74	18-Dec-13 A	18-Dec-13	02-Mar-14 A	02-Mar-14	█	█																											
ON1070	Construction Bidding Phase	132	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13	█	█																											
Construction Phase																																			
ON1080	Construction Phase	652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	█	█																											
Project Completion Report																																			
OI2130	Project Completion Report	15	30-Nov-15 A	30-Nov-15	15-Dec-15 A	15-Dec-15	█	█																											
EPA and TDEC Approvals																																			
ON1030	Notification of Completion to EPA, TDEC, TCWN	15	30-Nov-15 A	30-Nov-15	15-Dec-15 A	15-Dec-15	█	█																											
Para 22 - Early Action Capital Improvement Projects																																			
SSO and Wet Weather Volume Reduction Projects																																			
DuPont PS and Basin Improvements - Phase 1																																			
Consent Decree Duration (60 Months)																																			
AN1050	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-18* A	24-Apr-18	█	█																											
AN1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	█	█																											
Project Procurement																																			
AN1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	13	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	█	█																											
AN1120	PMO Approved Agreement to Council for Approval	6	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	█	█																											
AN1130	Consultant Signed Agreement to City for Execution	26	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	█	█																											
AN1100	Consultant develops and Submit Scope and Cost proposal	13	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	█	█																											
AN1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	█	█																											
Planning Phase																																			
AN1060	SRF Facility Plan Approval	74	02-Jan-15 A	02-Jan-15	16-Mar-15 A	16-Mar-15	█	█																											
AN1000	Planning Phase	690	10-Feb-13 A	10-Feb-13	01-Jan-15 A	01-Jan-15	█	█																											
Engineering Phase																																			
AN1020	SRF Approval of Contract Documents	100	24-Aug-15 A	24-Aug-15	02-Dec-15 A	02-Dec-15	█	█																											
AN1010	Engineering	508	02-Apr-14 A	02-Apr-14	23-Aug-15 A	23-Aug-15	█	█																											
Construction Bidding Phase																																			
AN1140	SRF Administration Period	29	16-Mar-16 A	16-Mar-16	14-Apr-16 A	14-Apr-16	█	█																											
AN1070	Construction Bidding Phase	104	03-Dec-15 A	03-Dec-15	15-Mar-16 A	15-Mar-16	█	█																											
Construction Phase																																			
AN1080	Construction Phase	504	15-Apr-16 A	15-Apr-16	31-Aug-17 A	31-Aug-17	█	█																											
Project Completion Report																																			
OI2300	Project Completion Report	0	31-Aug-17 A	31-Aug-17	31-Aug-17 A	31-Aug-17	█	█																											
EPA and TDEC Approvals																																			
AN1030	Notification of Completion to EPA, TDEC, TCWN	0	31-Aug-17 A	31-Aug-17	31-Aug-17 A	31-Aug-17	█	█																											



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
 CITY OF CHATTANOOGA, TN
 WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Gantt Chart																							
							2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1
Collegedale PS Improvements							PS Improvements																							
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																							
AC1050	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration Completion Milestone																							
AC1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration																							
Project Procurement							Procurement																							
AC1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	PMO Reviews/ Negotiates and Approve Proposal / Agreement																							
AC1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	PMO Approved Agreement to Council for Approval																							
AC1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Consultant Signed Agreement to City for Execution																							
AC1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																							
AC1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																							
Planning Phase							Planning Phase																							
AC1060	SRF Facility Plan Approval	509	24-Oct-13 A	24-Oct-13	16-Mar-15 A	16-Mar-15	SRF Facility Plan Approval																							
AC1000	Planning Phase	764	10-Feb-13 A	10-Feb-13	16-Mar-15 A	16-Mar-15	Planning Phase																							
Engineering Phase							Engineering Phase																							
AC1010	Engineering	973	02-Apr-14 A	02-Apr-14	30-Nov-16 A	30-Nov-16	Engineering																							
Project Completion Report							Project Completion Report																							
OI290	Project Completion Report	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Project Completion Report																							
EPA and TDEC Approvals							EPA and TDEC Approvals																							
AC1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Notification of Completion to EPA, TDEC, TCWN																							
East Brainerd Collection Sys. and PS Rehab							East Brainerd Collection Sys. and PS Rehab																							
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																							
OX1050	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration Completion Milestone																							
OX1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration																							
Project Procurement							Procurement																							
OX1090	Previously Procured Consent Decree Projects	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	Previously Procured Consent Decree Projects																							
Planning Phase							Planning Phase																							
OX1060	SRF Facility Plan Approval	201	07-Sep-12 A	07-Sep-12	26-Mar-13 A	26-Mar-13	SRF Facility Plan Approval																							
OX1000	Planning Phase	796	26-Mar-11 A	26-Mar-11	30-May-13 A	30-May-13	Planning Phase																							
Collection System							Collection System																							
OX1100	SRF Approval of Contract Documents - Collicion System	129	30-Mar-13 A	30-Mar-13	06-Aug-13 A	06-Aug-13	SRF Approval of Contract Documents - Collicion System																							
OX1015	Engineering - Collection System	203	07-Sep-12 A	07-Sep-12	29-Mar-13 A	29-Mar-13	Engineering - Collection System																							
Pump Station							Pump Station																							
OX1020	SRF Approval of Contract Documents - Pump Station	180	02-Aug-14 A	02-Aug-14	29-Jan-15 A	29-Jan-15	SRF Approval of Contract Documents - Pump Station																							
OX1010	Engineering - Pump Station	934	10-Jan-12 A	10-Jan-12	01-Aug-14 A	01-Aug-14	Engineering - Pump Station																							
Collection System							Collection System																							
OX2020	SRF Administration Period - Collection System	74	18-Dec-13 A	18-Dec-13	02-Mar-14 A	02-Mar-14	SRF Administration Period - Collection System																							
OX1075	Construction Bidding Phase - Collection System	132	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13	Construction Bidding Phase - Collection System																							
Pump Station							Pump Station																							
OX2000	SRF Administration Period - Pump Station	68	30-May-15 A	30-May-15	06-Aug-15 A	06-Aug-15	SRF Administration Period - Pump Station																							
OX1070	Construction Bidding Phase - Pump Station	119	30-Jan-15 A	30-Jan-15	29-May-15 A	29-May-15	Construction Bidding Phase - Pump Station																							
Collection System							Collection System																							
OX2030	Construction Phase - Collection System	652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	Construction Phase - Collection System																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014		2015		2016		2017		2018		2019		2020	
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Pump Station																						
OX1080	Construction Phase - Pump Station	799	07-Aug-15 A	07-Aug-15	13-Oct-17																	
		799	07-Aug-15 A	07-Aug-15	13-Oct-17																	
Project Completion Report																						
OI2240	Project Completion Report	0	14-Oct-17		14-Oct-17																	
EPA and TDEC Approvals																						
OX1030	Notification of Completion to EPA, TDEC, TCWN	0	14-Oct-17		14-Oct-17																	
Altamont Sewer Basin and PS Improvements																						
Consent Decree Duration (36 Months)																						
OV1050	Consent Decree Duration Completion Milestone	0																				
OV1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																
Project Procurement																						
OV1090	Previously Procured Consent Decree Projects	61	21-Dec-10 A	21-Dec-10	21-Feb-11 A	21-Feb-11																
Planning Phase																						
OV1060	SRF Facility Plan Approval	30	01-Sep-11 A	01-Sep-11	01-Oct-11 A	01-Oct-11																
OV1000	Planning Phase	190	22-Feb-11 A	22-Feb-11	31-Aug-11 A	31-Aug-11																
Engineering Phase																						
OV1210	SRF Approval of Contract Documents	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																
OV1020	SRF Approval of Contract Documents	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																
OV1010	Engineering - Pump Station	372	01-Sep-11 A	01-Sep-11	07-Sep-12 A	07-Sep-12																
OV1200	Engineering - Collection System	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																
Construction Bidding Phase																						
OV1220	SRF Administration Phase - Pump Station	60	07-Sep-12 A	07-Sep-12	05-Nov-12 A	05-Nov-12																
OV1240	SRF Administration Phase - Collection System	80	07-Sep-12 A	07-Sep-12	25-Nov-12 A	25-Nov-12																
OV1070	Construction Bidding Phase - Pump Station	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																
OV1230	Construction Bidding Phase - Collection System	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																
Construction Phase																						
OV1080	Construction Phase - Pump Station	444	07-Jan-13 A	07-Jan-13	27-Mar-14 A	27-Mar-14																
OV1250	Construction Phase - Collection System	494	26-Nov-12 A	26-Nov-12	04-Apr-14 A	04-Apr-14																
Project Completion Report																						
OI2200	Project Completion Report	115	05-Apr-14 A	05-Apr-14	29-Jul-14 A	29-Jul-14																
EPA and TDEC Approvals																						
OV1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14																
Pineville PS and Sewer Basin Improvements																						
Consent Decree Duration (36 Months)																						
OZ1050	Consent Decree Duration Completion Milestone	0																				
OZ1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																
Project Procurement																						
OZ1090	Previously Procured Consent Decree Projects	1	01-Mar-11 A	01-Mar-11	01-Mar-11 A	01-Mar-11																
Planning Phase																						
OZ1060	SRF Facility Plan Approval	31	16-Sep-11 A	16-Sep-11	17-Oct-11 A	17-Oct-11																
OZ1000	Planning Phase	158	11-Apr-11 A	11-Apr-11	16-Sep-11 A	16-Sep-11																
Engineering Phase																						
		760	16-Sep-11 A	16-Sep-11	15-Oct-13 A	15-Oct-13																



→ Summary
 Actual Level of Effort
 Actual Work
 Remaining Work
◆ Critical Remaining W...
◆ Baseline Milestone

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
 CITY OF CHATTANOOGA, TN
 WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013												2014												2015												2016												2017												2018												2019												2020											
							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	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4																																					
OZ1020	SRF Approval of Contract Documents	745	16-Sep-11 A	16-Sep-11	30-Sep-13 A	30-Sep-13																																																																																																
OZ1010	Engineering	760	16-Sep-11 A	16-Sep-11	15-Oct-13 A	15-Oct-13																																																																																																
Construction Bidding Phase																																																																																																						
OZ1100	SRF Administration Period	136	17-Oct-13 A	17-Oct-13	02-Mar-14 A	02-Mar-14																																																																																																
OZ1070	Construction Bidding Phase	113	09-Nov-13 A	09-Nov-13	02-Mar-14 A	02-Mar-14																																																																																																
OZ1070	Construction Bidding Phase	22	17-Oct-13 A	17-Oct-13	08-Nov-13 A	08-Nov-13																																																																																																
Construction Phase																																																																																																						
OZ1080	Construction Phase	199	03-Mar-14 A	03-Mar-14	18-Sep-14 A	18-Sep-14																																																																																																
OZ1080	Construction Phase	199	03-Mar-14 A	03-Mar-14	18-Sep-14 A	18-Sep-14																																																																																																
Project Completion Report																																																																																																						
OI2250	Project Completion Report	0	18-Sep-14 A	18-Sep-14	18-Sep-14 A	18-Sep-14																																																																																																
EPA and TDEC Approvals																																																																																																						
OZ1030	Notification of Completion to EPA, TDEC, TCWN	0	18-Sep-14 A	18-Sep-14	18-Sep-14 A	18-Sep-14																																																																																																
Citico Creek Interceptor Rehab																																																																																																						
Consent Decree Duration (36 Months)																																																																																																						
OW1050	Consent Decree Duration Completion Milestone	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																																																																																																
OW1050	Consent Decree Duration	0	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																																																																																																
OW1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																																																																																																
Project Procurement																																																																																																						
A4440	Project Procurement	90	01-Apr-09 A	01-Apr-09	29-Jun-09 A	29-Jun-09																																																																																																
Planning Phase																																																																																																						
OW1060	SRF Facility Plan Approval	63	30-Jun-09 A	30-Jun-09	01-Sep-09 A	01-Sep-09																																																																																																
OW1000	Planning Phase	0	30-Jun-09 A	30-Jun-09	30-Jun-09 A	30-Jun-09																																																																																																
Engineering Phase																																																																																																						
OW1020	SRF Approval of Contract Documents	390	01-Jul-09 A	01-Jul-09	01-Aug-10 A	01-Aug-10																																																																																																
OW1010	Engineering	390	01-Jul-09 A	01-Jul-09	01-Aug-10 A	01-Aug-10																																																																																																
Construction Bidding Phase																																																																																																						
OW1070	Construction Bidding Phase	31	01-Aug-12 A	01-Aug-12	01-Sep-12 A	01-Sep-12																																																																																																
Construction Phase																																																																																																						
OW1080	Construction Phase	389	03-Jun-13 A	03-Jun-13	27-Jun-14 A	27-Jun-14																																																																																																
OW1080	Construction Phase	389	03-Jun-13 A	03-Jun-13	27-Jun-14 A	27-Jun-14																																																																																																
Project Completion Report																																																																																																						
OI2220	Project Completion Report	31	28-Jun-14 A	28-Jun-14	29-Jul-14 A	29-Jul-14																																																																																																
EPA and TDEC Approvals																																																																																																						
OW1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14																																																																																																
Highland Park Sewer Rehab																																																																																																						
Consent Decree Duration (60 Months)																																																																																																						
AD1050	Consent Decree Duration Completion Milestone	1827	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18																																																																																																
AD1040	Consent Decree Duration	0	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18																																																																																																
AD1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18																																																																																																
Project Procurement																																																																																																						
AD1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	128	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13																																																																																																
AD1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13																																																																																																
AD1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13																																																																																																
AD1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13																																																																																																
AD1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13																																																																																																
AD1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13																																																																																																
Planning Phase																																																																																																						
AD1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	721	19-Apr-13 A	19-Apr-13	10-Apr-15 A	10-Apr-15																																																																																																



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Timeline (2013-2020)																							
							2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1
AD1060	SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14	SRF Facility Plan Approval																							
AD1000	Planning Phase	721	19-Apr-13 A	19-Apr-13	10-Apr-15 A	10-Apr-15	Planning Phase																							
Engineering Phase							Engineering Phase																							
AD1020	SRF Approval of Contract Documents	117	31-Dec-15 A	31-Dec-15	26-Apr-16 A	26-Apr-16	SRF Approval of Contract Documents																							
AD1010	Engineering	265	10-Apr-15 A	10-Apr-15	30-Dec-15 A	30-Dec-15	Engineering																							
Construction Bidding Phase							Construction Bidding Phase																							
AD1140	SRF Administration Phase	44	17-Aug-16 A	17-Aug-16	30-Sep-16 A	30-Sep-16	SRF Administration Phase																							
AD1070	Construction Bidding Phase	111	27-Apr-16 A	27-Apr-16	16-Aug-16 A	16-Aug-16	Construction Bidding Phase																							
Construction Phase							Construction Phase																							
AD1080	Construction Phase	379	30-Sep-16 A	30-Sep-16	13-Oct-17 A	13-Oct-17	Construction Phase																							
Project Completion Report							Project Completion Report																							
OI2350	Project Completion Report	0	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	Project Completion Report																							
EPA and TDEC Approvals							EPA and TDEC Approvals																							
AD1030	Notification of Completion to EPA, TDEC, TCWN	0	14-Oct-17	14-Oct-17	14-Oct-17	14-Oct-17	Notification of Completion to EPA, TDEC, TCWN																							
Citico CSOTF PS Improvement Study							Citico CSOTF PS Improvement Study																							
Consent Decree Duration (36 Months)							Consent Decree Duration (36 Months)																							
AM1050	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration Completion Milestone																							
AM1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration																							
Project Procurement							Project Procurement																							
AM1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	PMO Reviews/ Negotiates and Approve Proposal / Agreement																							
AM1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	PMO Approved Agreement to Council for Approval																							
AM1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Consultant Signed Agreement to City for Execution																							
AM1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																							
AM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																							
Planning Phase							Planning Phase																							
AM1060	SRF Facility Plan Approval	0	23-Jan-13 A	23-Jan-13	23-Jan-13 A	23-Jan-13	SRF Facility Plan Approval																							
AM1000	Planning Phase	656	23-Jan-13 A	23-Jan-13	10-Nov-14 A	10-Nov-14	Planning Phase																							
Project Completion Report							Project Completion Report																							
OI2280	Project Completion Report	0	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	Project Completion Report																							
EPA and TDEC Approvals							EPA and TDEC Approvals																							
AM1030	Notification of Completion to EPA, TDEC, TCWN	0	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	Notification of Completion to EPA, TDEC, TCWN																							
Tremont Area Sewer Separation Study							Tremont Area Sewer Separation Study																							
Consent Decree Duration (36 Months)							Consent Decree Duration (36 Months)																							
OU1050	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration Completion Milestone																							
OU1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration																							
Project Procurement							Project Procurement																							
OU1090	Previously Procured Consent Decree Projects	175	07-Sep-12 A	07-Sep-12	28-Feb-13 A	28-Feb-13	Previously Procured Consent Decree Projects																							
Planning Phase							Planning Phase																							
OU1000	Planning Phase	447	01-Mar-13 A	01-Mar-13	22-May-14 A	22-May-14	Planning Phase																							
Project Completion Report							Project Completion Report																							
OI2190	Project Completion Report	67	23-May-14 A	23-May-14	29-Jul-14 A	29-Jul-14	Project Completion Report																							
EPA and TDEC Approvals							EPA and TDEC Approvals																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Gantt Chart (2013-2020)																																							
							2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1	2019 Q2	2019 Q3	2019 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4	2020 Q1	2020 Q2	2020 Q3	2020 Q4					
OU1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14																																								
ESIP PS, Force Main and Interceptor Upgrade		2379	24-Dec-10 A	24-Dec-10	01-Jul-17																																									
Consent Decree Duration (36 Months)		1529	24-Apr-13 A	24-Apr-13	30-Jun-17																																									
OT1050	Consent Decree Duration Completion Milestone	0																																												
OT1040	Consent Decree Duration	1461	24-Apr-13 A	24-Apr-13	24-Apr-17 A	24-Apr-17																																								
Project Procurement		61	24-Dec-10 A	24-Dec-10	24-Feb-11 A	24-Feb-11																																								
OT1090	Previously Procured Consent Decree Projects	61	24-Dec-10 A	24-Dec-10	24-Feb-11 A	24-Feb-11																																								
Planning Phase		42	25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11																																								
OT1060	SRF Facility Plan Approval	42	25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11																																								
OT1000	Planning Phase	27	11-Mar-11 A	11-Mar-11	07-Apr-11 A	07-Apr-11																																								
Engineering Phase		1021	08-Apr-11 A	08-Apr-11	23-Jan-14 A	23-Jan-14																																								
OT1020	SRF Approval of Contract Documents	91	24-Oct-13 A	24-Oct-13	23-Jan-14 A	23-Jan-14																																								
OT1010	Engineering	929	08-Apr-11 A	08-Apr-11	23-Oct-13 A	23-Oct-13																																								
Construction Bidding Phase		90	30-Jan-14 A	30-Jan-14	29-Apr-14 A	29-Apr-14																																								
OT1100	SRF Administration Period	36	25-Mar-14 A	25-Mar-14	29-Apr-14 A	29-Apr-14																																								
OT1070	Construction Bidding Phase	88	30-Jan-14 A	30-Jan-14	28-Apr-14 A	28-Apr-14																																								
Construction Phase		1118	09-Jun-14 A	09-Jun-14	30-Jun-17																																									
OT1080	Construction Phase	1118	09-Jun-14 A	09-Jun-14	30-Jun-17																																									
Project Completion Report		0	01-Jul-17	01-Jul-17	01-Jul-17																																									
OI2180	Project Completion Report	0	01-Jul-17	01-Jul-17	01-Jul-17																																									
EPA and TDEC Approvals		0	01-Jul-17	01-Jul-17	01-Jul-17																																									
OT1030	Notification of Completion to EPA, TDEC, TCWN	0	01-Jul-17	01-Jul-17	01-Jul-17																																									
Orchard Knob PS Improvements		2015	18-Oct-12 A	18-Oct-12	24-Apr-18																																									
Consent Decree Duration (60 Months)		1827	24-Apr-13 A	24-Apr-13	24-Apr-18																																									
AG1050	Consent Decree Duration Completion Milestone	0																																												
AG1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*	24-Apr-18*																																								
Project Procurement		97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13																																								
AG1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12																																								
AG1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13																																								
AG1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13																																								
AG1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12																																								
AG1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12																																								
Planning Phase		271	17-Apr-13 A	17-Apr-13	13-Jan-14 A	13-Jan-14																																								
AG1060	SRF Facility Plan Approval	31	13-Dec-13 A	13-Dec-13	13-Jan-14 A	13-Jan-14																																								
AG1000	Planning Phase	239	17-Apr-13 A	17-Apr-13	12-Dec-13 A	12-Dec-13																																								
Engineering Phase		636	14-Jan-14 A	14-Jan-14	12-Oct-15 A	12-Oct-15																																								
AG1020	SRF Approval of Contract Documents	53	20-Aug-15 A	20-Aug-15	12-Oct-15 A	12-Oct-15																																								
AG1010	Engineering	582	14-Jan-14 A	14-Jan-14	19-Aug-15 A	19-Aug-15																																								
Construction Bidding Phase		149	21-Oct-15 A	21-Oct-15	18-Mar-16 A	18-Mar-16																																								
AG1140	SRF Administration Phase	27	20-Feb-16 A	20-Feb-16	18-Mar-16 A	18-Mar-16																																								
AG1070	Construction Bidding Phase	122	21-Oct-15 A	21-Oct-15	19-Feb-16 A	19-Feb-16																																								
Construction Phase		489	19-Mar-16 A	19-Mar-16	20-Jul-17																																									
AG1080	Construction Phase	489	19-Mar-16 A	19-Mar-16	20-Jul-17																																									



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020	
							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
Project Completion Report																											Project Completion Report							
OI2320	Project Completion Report	0	21-Jul-17		21-Jul-17																						Project Completion Report							
EPA and TDEC Approvals																											Project Completion Report EPA and TDEC Approvals							
AG1030	Notification of Completion to EPA, TDEC, TCWN	0	21-Jul-17		21-Jul-17																						Notification of Completion to EPA, TDEC, TCWN							
Friars Branch PS Improvements							Friars Branch PS Improvements																											
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																											
AF1050	Consent Decree Duration Completion Milestone	0			24-Apr-18*																						Consent Decree Duration Completion Milestone							
AF1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*																						Consent Decree Duration							
Project Procurement							Procurement																											
AF1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13																					PMO Reviews/ Negotiates and Approve Proposal / Agreement							
AF1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13																					PMO Approved Agreement to Council for Approval							
AF1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13																					Consultant Signed Agreement to City for Execution							
AF1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13																					Consultant develops and Submit Scope and Cost proposal							
AF1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13																					CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP							
Planning Phase							Planning Phase																											
AF1060	SRF Facility Plan Approval	151	24-Oct-13 A	24-Oct-13	24-Mar-14 A	24-Mar-14																					SRF Facility Plan Approval							
AF1000	Planning Phase	343	15-Apr-13 A	15-Apr-13	24-Mar-14 A	24-Mar-14																					Planning Phase							
Engineering Phase							Engineering Phase																											
AF1020	SRF Approval of Contract Documents	90	30-Oct-15 A	30-Oct-15	27-Jan-16 A	27-Jan-16																					SRF Approval of Contract Documents							
AF1010	Engineering	583	25-Mar-14 A	25-Mar-14	29-Oct-15 A	29-Oct-15																					Engineering							
Construction Bidding Phase							Construction Bidding Phase																											
AF1140	SRF Administration Phase	36	02-Nov-16 A	02-Nov-16	08-Dec-16 A	08-Dec-16																					SRF Administration Phase							
AF1070	Construction Bidding Phase	278	28-Jan-16 A	28-Jan-16	01-Nov-16 A	01-Nov-16																					Construction Bidding Phase							
Construction Phase							Construction Phase																											
AF1080	Construction Phase	581	09-Dec-16 A	09-Dec-16	12-Jul-18 A	12-Jul-18																					Construction Phase							
Project Completion Report																											Project Completion Report							
OI2330	Project Completion Report	0	13-Jul-18		13-Jul-18																						Project Completion Report							
EPA and TDEC Approvals																											Project Completion Report EPA and TDEC Approvals							
AF1030	Notification of Completion to EPA, TDEC, TCWN	0	13-Jul-18		13-Jul-18																						Notification of Completion to EPA, TDEC, TCWN							
Friars Branch Basin Improvements							Friars Branch Basin Improvements																											
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																											
AE1050	Consent Decree Duration Completion Milestone	0			24-Apr-18*																						Consent Decree Duration Completion Milestone							
AE1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*																						Consent Decree Duration							
Project Procurement							Procurement																											
AE1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13																					PMO Reviews/ Negotiates and Approve Proposal / Agreement							
AE1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13																					PMO Approved Agreement to Council for Approval							
AE1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13																					Consultant Signed Agreement to City for Execution							
AE1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13																					Consultant develops and Submit Scope and Cost proposal							
AE1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13																					CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP							
Planning Phase							Planning Phase																											
AE1060	SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14																					SRF Facility Plan Approval							
AE1000	Planning Phase	457	29-Apr-13 A	29-Apr-13	30-Jul-14 A	30-Jul-14																					Planning Phase							
Engineering Phase							Engineering Phase																											
AE1020	SRF Approval of Contract Documents	90	24-Dec-16 A	24-Dec-16	24-Mar-17 A	24-Mar-17																					SRF Approval of Contract Documents							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013												2014				2015				2016				2017				2018				2019				2020	
							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					
AE1010	Engineering	956	12-May-14 A	12-May-14	23-Dec-16 A	23-Dec-16	Engineering												Engineering				Engineering				Engineering				Engineering				Engineering				Engineering					
Construction Bidding Phase																																												
AE1140	SRF Administration Period	20	14-Apr-17 A	14-Apr-17	04-May-17 A	04-May-17	SRF Administration Period												SRF Administration Period				SRF Administration Period				SRF Administration Period				SRF Administration Period				SRF Administration Period									
AE1070	Construction Bidding Phase	124	24-Dec-16 A	24-Dec-16	27-Apr-17 A	27-Apr-17	Construction Bidding Phase												Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase									
Construction Phase																																												
AE1080	Construction Phase	300	05-May-17 A	05-May-17	28-Feb-18		Construction Phase												Construction Phase				Construction Phase				Construction Phase				Construction Phase				Construction Phase									
Project Completion Report																																												
OI2340	Project Completion Report	0	01-Mar-18		01-Mar-18		Project Completion Report												Project Completion Report				Project Completion Report				Project Completion Report				Project Completion Report													
EPA and TDEC Approvals																																												
AE1030	Notification of Completion to EPA, TDEC, TCWN	0	01-Mar-18		01-Mar-18		EPA and TDEC Approvals												EPA and TDEC Approvals				EPA and TDEC Approvals				EPA and TDEC Approvals				EPA and TDEC Approvals													
Chattanooga Creek Interceptor Rehab																																												
Consent Decree Duration (36 Months)																																												
AB1050	Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16	Consent Decree Duration												Consent Decree Duration				Consent Decree Duration				Consent Decree Duration				Consent Decree Duration													
AB1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration												Consent Decree Duration				Consent Decree Duration				Consent Decree Duration				Consent Decree Duration													
Project Procurement																																												
AB1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	Procurement												Procurement				Procurement				Procurement				Procurement													
AB1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	Procurement												Procurement				Procurement				Procurement				Procurement													
AB1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	Procurement												Procurement				Procurement				Procurement				Procurement													
AB1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	Procurement												Procurement				Procurement				Procurement				Procurement													
AB1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	Procurement												Procurement				Procurement				Procurement				Procurement													
Planning Phase																																												
AB1060	SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14	Planning Phase												Planning Phase				Planning Phase				Planning Phase				Planning Phase													
AB1000	Planning Phase	361	06-May-13 A	06-May-13	02-May-14 A	02-May-14	Planning Phase												Planning Phase				Planning Phase				Planning Phase				Planning Phase													
Engineering Phase																																												
AB1020	SRF Approval of Contract Documents	42	19-Dec-14 A	19-Dec-14	30-Jan-15 A	30-Jan-15	Engineering Phase												Engineering Phase				Engineering Phase				Engineering Phase				Engineering Phase													
AB1010	Engineering	227	05-May-14 A	05-May-14	18-Dec-14 A	18-Dec-14	Engineering Phase												Engineering Phase				Engineering Phase				Engineering Phase				Engineering Phase													
Construction Bidding Phase																																												
AB1140	SRF Administration Period	22	20-May-15 A	20-May-15	11-Jun-15 A	11-Jun-15	Construction Bidding Phase												Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase													
AB1070	Construction Bidding Phase	106	02-Feb-15 A	02-Feb-15	19-May-15 A	19-May-15	Construction Bidding Phase												Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase				Construction Bidding Phase													
Construction Phase																																												
AB1080	Construction Phase	379	14-Jul-15 A	14-Jul-15	27-Jul-16 A	27-Jul-16	Construction Phase												Construction Phase				Construction Phase				Construction Phase				Construction Phase													
Project Completion Report																																												
OI2270	Project Completion Report	0	27-Jul-16 A	27-Jul-16	27-Jul-16 A	27-Jul-16	Project Completion Report												Project Completion Report				Project Completion Report				Project Completion Report				Project Completion Report													
EPA and TDEC Approvals																																												
AB1030	Notification of Completion to EPA, TDEC, TCWN	0	27-Jul-16 A	27-Jul-16	27-Jul-16 A	27-Jul-16	EPA and TDEC Approvals												EPA and TDEC Approvals				EPA and TDEC Approvals				EPA and TDEC Approvals				EPA and TDEC Approvals													
Tannery Flats Interceptor Rehab																																												
Consent Decree Duration (36 Months)																																												
AA1050	Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16	Consent Decree Duration												Consent Decree Duration				Consent Decree Duration				Consent Decree Duration				Consent Decree Duration													
AA1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration												Consent Decree Duration				Consent Decree Duration				Consent Decree Duration				Consent Decree Duration													
Project Procurement																																												
AA1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	Procurement												Procurement				Procurement				Procurement				Procurement													
AA1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	Procurement												Procurement				Procurement				Procurement				Procurement													



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013												2014												2015												2016												2017												2018												2019												2020											
							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	Q3	Q4	Q1	Q2	Q3	Q4																																																					
AA1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	Consultant Signed Agreement to City for Execution																																																																																															
AA1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	Consultant develops and Submit Scope and Cost proposal																																																																																															
AA1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	Qualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP																																																																																															
Planning Phase							Planning Phase																																																																																															
AA1060	SRF Facility Plan Approval	243	20-Apr-13 A	20-Apr-13	19-Dec-13 A	19-Dec-13	SRF Facility Plan Approval																																																																																															
AA1000	Planning Phase	51	20-Apr-13 A	20-Apr-13	10-Jun-13 A	10-Jun-13	Planning Phase																																																																																															
Engineering Phase							Engineering Phase																																																																																															
AA1020	SRF Approval of Contract Documents	35	06-Jan-15 A	06-Jan-15	10-Feb-15 A	10-Feb-15	SRF Approval of Contract Documents																																																																																															
AA1010	Engineering	381	20-Dec-13 A	20-Dec-13	05-Jan-15 A	05-Jan-15	Engineering																																																																																															
Construction Bidding Phase							Construction Bidding Phase																																																																																															
AA1140	SRF Administration Period	15	09-Jun-15 A	09-Jun-15	24-Jun-15 A	24-Jun-15	SRF Administration Period																																																																																															
AA1070	Construction Bidding Phase	109	19-Feb-15 A	19-Feb-15	08-Jun-15 A	08-Jun-15	Construction Bidding Phase																																																																																															
Construction Phase							Construction Phase																																																																																															
AA1080	Construction Phase	297	25-Jun-15 A	25-Jun-15	17-Apr-16 A	17-Apr-16	Construction Phase																																																																																															
Project Completion Report							Project Completion Report																																																																																															
OI2260	Project Completion Report	0	17-Apr-16 A	17-Apr-16	17-Apr-16 A	17-Apr-16	Project Completion Report																																																																																															
EPA and TDEC Approvals							EPA and TDEC Approvals																																																																																															
AA1030	Notification of Completion to EPA, TDEC, TCWN	0	17-Apr-16 A	17-Apr-16	17-Apr-16 A	17-Apr-16	Notification of Completion to EPA, TDEC, TCWN																																																																																															
EB/WB Flow Monitoring							EB/WB Flow Monitoring																																																																																															
Consent Decree Duration (36 Months)							Consent Decree Duration (36 Months)																																																																																															
AC1460	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration Completion Milestone																																																																																															
AC1450	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration																																																																																															
Project Procurement							Project Procurement																																																																																															
AC1470	PM Procurement	45	15-Jul-12 A	15-Jul-12	28-Aug-12 A	28-Aug-12	PM Procurement																																																																																															
Planning Phase							Planning Phase																																																																																															
AC1530	SRF Facility Plan Approval	177	20-Oct-12 A	20-Oct-12	20-Oct-12 A	20-Oct-12	SRF Facility Plan Approval																																																																																															
AC1520	Planning Phase	177	20-Oct-12 A	20-Oct-12	15-Apr-13 A	15-Apr-13	Planning Phase																																																																																															
Engineering Phase							Engineering Phase																																																																																															
AC1550	SRF Approval of Contract Documents	574	16-Apr-13 A	16-Apr-13	16-Apr-13 A	16-Apr-13	SRF Approval of Contract Documents																																																																																															
AC1540	Flow Monitoring by West Bank Flow Meter	271	16-Apr-13 A	16-Apr-13	11-Jan-14 A	11-Jan-14	Flow Monitoring by West Bank Flow Meter																																																																																															
AC1545	Flow Monitoring by New Outfall Flow Meter	574	16-Apr-13 A	16-Apr-13	11-Nov-14 A	11-Nov-14	Flow Monitoring by New Outfall Flow Meter																																																																																															
Construction Bidding Phase							Construction Bidding Phase																																																																																															
AC1570	SRF Administration Period	0	11-Nov-14 A	11-Nov-14	11-Nov-14 A	11-Nov-14	SRF Administration Period																																																																																															
AC1560	Construction Bidding Phase	0	11-Nov-14 A	11-Nov-14	11-Nov-14 A	11-Nov-14	Construction Bidding Phase																																																																																															
Construction Phase							Construction Phase																																																																																															
AC1580	Construction Phase	833	12-Jan-14 A	12-Jan-14	24-Apr-16 A	24-Apr-16	Construction Phase																																																																																															
Project Completion Report							Project Completion Report																																																																																															
OI2440	Project Completion Report	56	25-Apr-16 A	25-Apr-16	20-Jun-16 A	20-Jun-16	Project Completion Report																																																																																															
EPA and TDEC Approvals							EPA and TDEC Approvals																																																																																															
AC1590	Notification of Completion to EPA, TDEC, TCWN	0	21-Jun-16 A	21-Jun-16	21-Jun-16 A	21-Jun-16	Notification of Completion to EPA, TDEC, TCWN																																																																																															
MBWWTP Projects							MBWWTP Projects																																																																																															
		2513	01-Jan-12 A	01-Jan-12	18-Nov-18 A	18-Nov-18	MBWWTP Projects																																																																																															



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020	
							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
MBWWTP Secondary Clarifier Valve Motor Operator Replacement							MBWWTP Secondary Clarifier Valve Motor Operator Replacement																											
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																											
AL1160	Consent Decree Duration Completion Milestone	0	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18*	Consent Decree Duration Completion Milestone																											
AL1150	Consent Decree Duration	1827	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration																											
Project Procurement							Project Procurement																											
AL1250	City Develops Project Scope	1132	25-Apr-13	25-Apr-13	31-May-16	31-May-16	City Develops Project Scope																											
Planning Phase							Planning Phase																											
AL1170	Planning Phase	29	01-Jun-16	01-Jun-16	30-Jun-16	30-Jun-16	Planning Phase																											
Engineering Phase							Engineering Phase																											
AL1190	Engineering	122	01-Jul-16	01-Jul-16	31-Oct-16	31-Oct-16	Engineering Phase																											
Construction Phase							Construction Phase																											
AL1230	Construction Phase	147	02-Sep-16	02-Sep-16	27-Jan-17	27-Jan-17	Construction Phase																											
EPA and TDEC Approvals							EPA and TDEC Approvals																											
AL1290	Notification of Completion to EPA, TDEC, TCWN	0	28-Jan-17	28-Jan-17	28-Jan-17	28-Jan-17	Notification of Completion to EPA, TDEC, TCWN																											
MBWWTP Hydraulic and Pump Improvements							Hydraulic and Pump Improvements																											
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																											
AK1050	Consent Decree Duration Completion Milestone	0	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18*	Consent Decree Duration Completion Milestone																											
AK1040	Consent Decree Duration	1827	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration																											
Project Procurement							Project Procurement																											
AK1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12	12-Dec-12	21-Dec-12	21-Dec-12	PMO Reviews/ Negotiates and Approve Proposal / Agreement																											
AK1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12	22-Dec-12	08-Jan-13	08-Jan-13	PMO Approved Agreement to Council for Approval																											
AK1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13	09-Jan-13	22-Jan-13	22-Jan-13	Consultant Signed Agreement to City for Execution																											
AK1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12	02-Dec-12	11-Dec-12	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																											
AK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12	18-Oct-12	01-Dec-12	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																											
Planning Phase							Planning Phase																											
AK1060	SRF Facility Plan Approval	112	24-Oct-13	24-Oct-13	13-Feb-14	13-Feb-14	SRF Facility Plan Approval																											
AK1000	Planning Phase	376	02-Feb-13	02-Feb-13	13-Feb-14	13-Feb-14	Planning Phase																											
Engineering Phase							Engineering Phase																											
AK1020	SRF Approval of Contract Documents	44	06-Sep-14	06-Sep-14	20-Oct-14	20-Oct-14	SRF Approval of Contract Documents																											
AK1010	Engineering	203	14-Feb-14	14-Feb-14	05-Sep-14	05-Sep-14	Engineering																											
Construction Bidding Phase							Construction Bidding Phase																											
AK1140	SRF Administration Phase	7	05-Dec-14	05-Dec-14	12-Dec-14	12-Dec-14	SRF Administration Phase																											
AK1070	Construction Bidding Phase	42	23-Oct-14	23-Oct-14	04-Dec-14	04-Dec-14	Construction Bidding Phase																											
Construction Phase							Construction Phase																											
AK1080	Construction Phase	520	16-Feb-15	16-Feb-15	20-Jul-16	20-Jul-16	Construction Phase																											
Project Completion Report							Project Completion Report																											
AK1150	Project Completion Report	0	21-Jul-16	21-Jul-16	21-Jul-16	21-Jul-16	Project Completion Report																											
EPA and TDEC Approvals							EPA and TDEC Approvals																											
A4660	Notification of Completion to EPA, TDEC, TCWN	10	21-Jul-16	21-Jul-16	31-Jul-16	31-Jul-16	Notification of Completion to EPA, TDEC, TCWN																											
MBWWTP Bar and Fine Screen Replacements							Bar and Fine Screen Replacements																											
Consent Decree Duration (60 Months)							Consent Decree Duration (60 Months)																											
AJ1050	Consent Decree Duration Completion Milestone	0	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18*	Consent Decree Duration Completion Milestone																											
AJ1040	Consent Decree Duration	1827	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18	Consent Decree Duration																											



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020	
							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
Project Procurement																																		
AJ1090	Previously Procured Consent Decree Projects	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																												
Planning Phase																																		
AJ1060	SRF Facility Plan Approval	9	08-Oct-12 A	08-Oct-12	17-Oct-12 A	17-Oct-12																												
AJ1000	Planning Phase	280	01-Jan-12 A	01-Jan-12	07-Oct-12 A	07-Oct-12																												
Engineering Phase																																		
AJ1020	SRF Approval of Contract Documents	44	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20-Oct-14																												
AJ1010	Engineering	857	01-May-12 A	01-May-12	05-Sep-14 A	05-Sep-14																												
Construction Bidding Phase																																		
AJ1100	SRF Administration Phase	69	05-Dec-14 A	05-Dec-14	12-Feb-15 A	12-Feb-15																												
AJ1070	Construction Bidding Phase	42	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04-Dec-14																												
Construction Phase																																		
AJ1080	Construction Phase	865	16-Feb-15 A	16-Feb-15	30-Jun-17 A	30-Jun-17																												
MBWWTP Secondary Clarifier Upgrades and Additions																																		
Project Procurement																																		
AL1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	27	09-Oct-14 A	09-Oct-14	05-Nov-14 A	05-Nov-14																												
AL1120	PMO Approved Agreement to Council for Approval	14	06-Nov-14 A	06-Nov-14	20-Nov-14 A	20-Nov-14																												
AL1130	Consultant Signed Agreement to City for Execution	66	21-Nov-14 A	21-Nov-14	26-Jan-15 A	26-Jan-15																												
AL1100	Consultant develops and Submit Scope and Cost proposal	18	20-Sep-14 A	20-Sep-14	08-Oct-14 A	08-Oct-14																												
AL1090	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	46	04-Aug-14 A	04-Aug-14	19-Sep-14 A	19-Sep-14																												
Planning Phase																																		
AL1060	SRF Facility Plan Approval	20	30-Dec-15 A	30-Dec-15	18-Jan-16 A	18-Jan-16																												
AL1000	Planning Phase	293	12-Feb-15 A	12-Feb-15	01-Dec-15 A	01-Dec-15																												
Engineering Phase																																		
AL1020	SRF Approval of Contract Documents	52	16-May-16 A	16-May-16	07-Jul-16 A	07-Jul-16																												
AL1010	Engineering	283	06-Aug-15 A	06-Aug-15	15-May-16 A	15-May-16																												
Construction Bidding Phase																																		
AL1140	SRF Administration Phase	66	20-Jan-17 A	20-Jan-17	27-Mar-17 A	27-Mar-17																												
AL1070	Construction Bidding Phase	183	20-Jul-16 A	20-Jul-16	19-Jan-17 A	19-Jan-17																												
Construction Phase																																		
AL1080	Construction Phase	600	28-Mar-17 A	28-Mar-17	17-Nov-18 A	17-Nov-18																												
Project Completion Report																																		
OI2400	Project Completion Report	0	18-Nov-18 A	18-Nov-18	18-Nov-18 A	18-Nov-18																												
EPA and TDEC Approvals																																		
AL1030	Notification of Completion to EPA, TDEC, TCWN	0	18-Nov-18 A	18-Nov-18	18-Nov-18 A	18-Nov-18																												
MBWWTP Effluent Disinfection System Upgrade																																		
Consent Decree Duration (36 Months)																																		
AC1350	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																												
AC1340	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16																												
Project Procurement																																		
AC1410	PMO Reviews/ Negotiates and Approve Proposal / Agreement	87	18-Oct-12 A	18-Oct-12	12-Jan-13 A	12-Jan-13																												
AC1420	PMO Approved Agreement to Council for Approval	18	12-Dec-12 A	12-Dec-12	29-Dec-12 A	29-Dec-12																												



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Gantt Chart (2013-2020)																							
							2013 Q2	2013 Q3	2013 Q4	2014 Q1	2014 Q2	2014 Q3	2014 Q4	2015 Q1	2015 Q2	2015 Q3	2015 Q4	2016 Q1	2016 Q2	2016 Q3	2016 Q4	2017 Q1	2017 Q2	2017 Q3	2017 Q4	2018 Q1	2018 Q2	2018 Q3	2018 Q4	2019 Q1
AC1430	Consultant Signed Agreement to City for Execution	14	30-Dec-12 A	30-Dec-12	12-Jan-13 A	12-Jan-13	[Gantt Bar]																							
AC1400	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	[Gantt Bar]																							
AC1390	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	[Gantt Bar]																							
Planning Phase							[Gantt Bar]																							
AC1360	SRF Facility Plan Approval	106	29-Apr-13 A	29-Apr-13	28-Aug-13 A	28-Aug-13	[Gantt Bar]																							
AC1300	Planning Phase	16	29-Apr-13 A	29-Apr-13	15-May-13 A	15-May-13	[Gantt Bar]																							
Engineering Phase							[Gantt Bar]																							
AC1320	SRF Approval of Contract Documents	47	03-Sep-14 A	03-Sep-14	20-Oct-14 A	20-Oct-14	[Gantt Bar]																							
AC1310	Engineering	329	10-Oct-13 A	10-Oct-13	04-Sep-14 A	04-Sep-14	[Gantt Bar]																							
Construction Bidding Phase							[Gantt Bar]																							
AC1440	SRF Administration Period	25	05-Jan-15 A	05-Jan-15	30-Jan-15 A	30-Jan-15	[Gantt Bar]																							
AC1370	Construction Bidding Phase	66	30-Oct-14 A	30-Oct-14	04-Jan-15 A	04-Jan-15	[Gantt Bar]																							
Construction Phase							[Gantt Bar]																							
AC1380	Construction Phase	405	16-Mar-15 A	16-Mar-15	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
Project Completion Report							[Gantt Bar]																							
OI2430	Project Completion Report	0	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
EPA and TDEC Approvals							[Gantt Bar]																							
AC1330	Notification of Completion to EPA, TDEC, TCWN	0	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
CSO Projects							[Gantt Bar]																							
Carter Street CSOTF Outfall Replacement							[Gantt Bar]																							
Consent Decree Duration (36 Months)							[Gantt Bar]																							
AI1050	Consent Decree Duration Completion Milestone	0	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
AI1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
Project Procurement							[Gantt Bar]																							
AI1090	Previously Procured Consent Decree Projects	345	07-Sep-12 A	07-Sep-12	17-Aug-13 A	17-Aug-13	[Gantt Bar]																							
Planning Phase							[Gantt Bar]																							
AI1060	SRF Facility Plan Approval	43	16-Jun-14 A	16-Jun-14	28-Jul-14 A	28-Jul-14	[Gantt Bar]																							
AI1000	Planning Phase	302	18-Aug-13 A	18-Aug-13	15-Jun-14 A	15-Jun-14	[Gantt Bar]																							
Engineering Phase							[Gantt Bar]																							
AI1020	SRF Approval of Contract Documents	168	29-Jul-14 A	29-Jul-14	12-Jan-15 A	12-Jan-15	[Gantt Bar]																							
AI1010	Engineering	345	18-Aug-13 A	18-Aug-13	28-Jul-14 A	28-Jul-14	[Gantt Bar]																							
Construction Bidding Phase							[Gantt Bar]																							
AI1100	SRF Administration Phase	4	03-Aug-15 A	03-Aug-15	06-Aug-15 A	06-Aug-15	[Gantt Bar]																							
AI1070	Construction Bidding Phase	169	19-Feb-15 A	19-Feb-15	06-Aug-15 A	06-Aug-15	[Gantt Bar]																							
Construction Phase							[Gantt Bar]																							
AI1080	Construction Phase	240	28-Aug-15 A	28-Aug-15	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
Project Completion Report							[Gantt Bar]																							
OI2370	Project Completion Report	0	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
EPA and TDEC Approvals							[Gantt Bar]																							
AI1030	Notification of Completion to EPA, TDEC, TCWN	0	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	[Gantt Bar]																							
Automation of Valve Operators at CSO Facilities							[Gantt Bar]																							
Consent Decree Duration (36 Months)							[Gantt Bar]																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



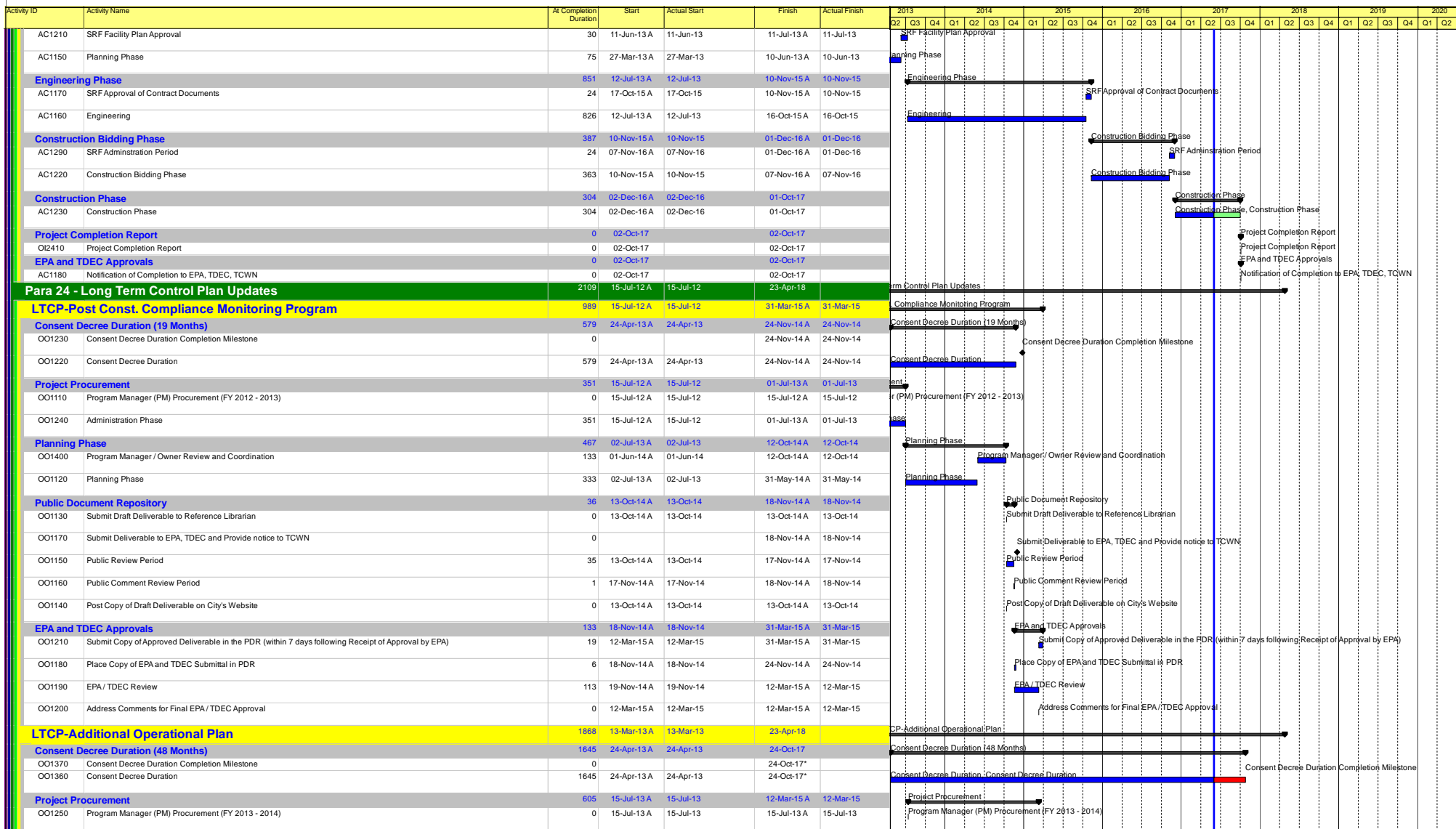
Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020						
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2				
AH1150	Consent Decree Duration Completion Milestone	0			24-Apr-16	24-Apr-16																																	
AH1140	Consent Decree Duration	1096	24-Apr-13	24-Apr-13	24-Apr-16	24-Apr-16																																	
Project Procurement			0	15-Jul-12 A	15-Jul-12	15-Jul-12	15-Jul-12																																
AH1190	Previously Procured Consent Decree Projects (City Internal Project - Completed)	0	15-Jul-12 A	15-Jul-12	15-Jul-12	15-Jul-12																																	
Construction Phase			54	15-Jul-12 A	15-Jul-12	07-Sep-12	07-Sep-12																																
AH1180	Construction Phase	54	15-Jul-12 A	15-Jul-12	07-Sep-12	07-Sep-12																																	
Project Completion Report			181	01-Aug-13	01-Aug-13	29-Jan-14	29-Jan-14																																
OI2420	Project Completion Report	181	01-Aug-13	01-Aug-13	29-Jan-14	29-Jan-14																																	
EPA and TDEC Approvals			0	30-Jan-14	30-Jan-14	30-Jan-14	30-Jan-14																																
AH1130	Notification of Completion to EPA, TDEC, TCWN	0	30-Jan-14	30-Jan-14	30-Jan-14	30-Jan-14																																	
Operations Projects			2058	07-Sep-12	07-Sep-12	24-Apr-18																																	
South Chick PS Reliability Improvements			1325	07-Sep-12	07-Sep-12	24-Apr-16	24-Apr-16																																
Consent Decree Duration (36 Months)			1096	24-Apr-13	24-Apr-13	24-Apr-16	24-Apr-16																																
AH1050	Consent Decree Duration Completion Milestone	0			24-Apr-16	24-Apr-16																																	
AH1040	Consent Decree Duration	1096	24-Apr-13	24-Apr-13	24-Apr-16	24-Apr-16																																	
Project Procurement			66	07-Sep-12	07-Sep-12	11-Nov-12	11-Nov-12																																
AH1090	Previously Procured Consent Decree Projects	66	07-Sep-12	07-Sep-12	11-Nov-12	11-Nov-12																																	
Planning Phase			0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																
AH1060	SRF Facility Plan Approval	0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																	
AH1000	Planning Phase	0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																	
Engineering Phase			0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																
AH1020	SRF Approval of Contract Documents	0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																	
AH1010	Engineering	0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																	
Construction Bidding Phase			0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																
AH1070	Construction Bidding Phase	0	12-Nov-12	12-Nov-12	12-Nov-12	12-Nov-12																																	
Construction Phase			5	12-Nov-12	12-Nov-12	16-Nov-12	16-Nov-12																																
AH1080	Construction Phase	5	12-Nov-12	12-Nov-12	16-Nov-12	16-Nov-12																																	
Project Completion Report			438	17-Nov-12	17-Nov-12	29-Jan-14	29-Jan-14																																
OI2360	Project Completion Report	438	17-Nov-12	17-Nov-12	29-Jan-14	29-Jan-14																																	
EPA and TDEC Approvals			0	30-Jan-14	30-Jan-14	30-Jan-14	30-Jan-14																																
AH1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Jan-14	30-Jan-14	30-Jan-14	30-Jan-14																																	
MBWWTP Telemetry and SCADA Upgrades			2015	18-Oct-12	18-Oct-12	24-Apr-18																																	
Consent Decree Duration (60 Months)			1827	24-Apr-13	24-Apr-13	24-Apr-18																																	
AC1200	Consent Decree Duration Completion Milestone	0			24-Apr-18	24-Apr-18																																	
AC1190	Consent Decree Duration	1827	24-Apr-13	24-Apr-13	24-Apr-18	24-Apr-18																																	
Project Procurement			97	18-Oct-12	18-Oct-12	22-Jan-13	22-Jan-13																																
AC1260	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12	12-Dec-12	21-Dec-12	21-Dec-12																																	
AC1270	PMO Approved Agreement to Council for Approval	18	22-Dec-12	22-Dec-12	08-Jan-13	08-Jan-13																																	
AC1280	Consultant Signed Agreement to City for Execution	14	09-Jan-13	09-Jan-13	22-Jan-13	22-Jan-13																																	
AC1250	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12	02-Dec-12	11-Dec-12	11-Dec-12																																	
AC1240	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12	18-Oct-12	01-Dec-12	01-Dec-12																																	
Planning Phase			106	27-Mar-13	27-Mar-13	11-Jul-13	11-Jul-13																																



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
 CITY OF CHATTANOOGA, TN
 WASTE RESOURCES DIVISION





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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
 CITY OF CHATTANOOGA, TN
 WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013												2014				2015				2016				2017				2018				2019				2020	
							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					
OO1380	Administration Phase	605	15-Jul-13 A	15-Jul-13	12-Mar-15 A	12-Mar-15	Administration Phase																																					
Planning Phase							Planning Phase																																					
OO1390	Program Manager / Owner Review and Coordination	31	01-Aug-17	01-Aug-17	31-Aug-17		Program Manager / Owner Review and Coordination																																					
OO1260	Planning Phase	1602	13-Mar-13 A	13-Mar-13	31-Jul-17		Planning Phase																																					
Public Document Repository							Public Document Repository																																					
OO1270	Submit Draft Deliverable to Reference Librarian	1	01-Sep-17	01-Sep-17	01-Sep-17		Submit Draft Deliverable to Reference Librarian																																					
OO1310	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			24-Oct-17		Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																					
OO1290	Public Review Period	30	02-Sep-17	01-Oct-17	01-Oct-17		Public Review Period																																					
OO1300	Public Comment Review Period	23	02-Oct-17	24-Oct-17	24-Oct-17		Public Comment Review Period																																					
OO1280	Post Copy of Draft Deliverable on City's Website	1	01-Sep-17	01-Sep-17	01-Sep-17		Post Copy of Draft Deliverable on City's Website																																					
EPA and TDEC Approvals							EPA and TDEC Approvals																																					
OO1350	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	22-Feb-18	28-Feb-18	28-Feb-18		Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																																					
OO1320	Place Copy of EPA and TDEC Submittal in PDR	181	25-Oct-17	23-Apr-18	23-Apr-18		Place Copy of EPA and TDEC Submittal in PDR																																					
OO1330	EPA / TDEC Review	60	25-Oct-17	23-Dec-17	23-Dec-17		EPA / TDEC Review																																					
OO1340	Address Comments for Final EPA / TDEC Approval	60	24-Dec-17	21-Feb-18	21-Feb-18		Address Comments for Final EPA / TDEC Approval																																					
Para 25 - Moccasin Bend WWTP Process Controls Program							Moccasin Bend WWTP Process Controls Program																																					
MBWWTP Process Controls Program							MBWWTP Process Controls Program																																					
Consent Decree Duration (19 Months)							Consent Decree Duration (19 Months)																																					
OP1120	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14	Consent Decree Duration Completion Milestone																																					
OP1110	Consent Decree Duration	579	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent Decree Duration																																					
Project Procurement							Project Procurement																																					
OP1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	28-Oct-12 A	28-Oct-12	06-Nov-12 A	06-Nov-12	PMO Reviews/ Negotiates and Approve Proposal / Agreement																																					
OP1150	PMO Approved Agreement to Council for Approval	18	07-Nov-12 A	07-Nov-12	24-Nov-12 A	24-Nov-12	PMO Approved Agreement to Council for Approval																																					
OP1160	Consultant Signed Agreement to City for Execution	14	25-Nov-12 A	25-Nov-12	08-Dec-12 A	08-Dec-12	Consultant Signed Agreement to City for Execution																																					
OP1130	Consultant develops and Submit Scope and Cost proposal	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	Consultant develops and Submit Scope and Cost proposal																																					
OP1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	0	18-Oct-12 A	18-Oct-12	18-Oct-12 A	18-Oct-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																																					
Planning Phase							Planning Phase																																					
OP1190	Program Manager / Owner Review and Coordination	8	04-Oct-14 A	04-Oct-14	12-Oct-14 A	12-Oct-14	Program Manager / Owner Review and Coordination																																					
OP1010	Planning Phase	522	29-Apr-13 A	29-Apr-13	03-Oct-14 A	03-Oct-14	Planning Phase																																					
Public Document Repository							Public Document Repository																																					
OP1020	Submit Draft Deliverable to Reference Librarian	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	Submit Draft Deliverable to Reference Librarian																																					
OP1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			18-Nov-14 A	18-Nov-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																																					
OP1040	Public Review Period	35	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14	Public Review Period																																					
OP1050	Public Comment Review Period	0	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14	Public Comment Review Period																																					
OP1030	Post Copy of Draft Deliverable on City's Website	3	13-Oct-14 A	13-Oct-14	16-Oct-14 A	16-Oct-14	Post Copy of Draft Deliverable on City's Website																																					
EPA and TDEC Approvals							EPA and TDEC Approvals																																					
OP1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	13-May-15 A	13-May-15	13-May-15 A	13-May-15	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																																					
OP1070	Place Copy of EPA and TDEC Submittal in PDR	6	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14	Place Copy of EPA and TDEC Submittal in PDR																																					
OP1080	EPA / TDEC Review	113	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15	EPA / TDEC Review																																					
OP1090	Address Comments for Final EPA / TDEC Approval	60	13-Mar-15 A	13-Mar-15	12-May-15 A	12-May-15	Address Comments for Final EPA / TDEC Approval																																					
Para 26 - Green Infrastructure Plan							Green Infrastructure Plan																																					
Green Infrastructure Program Plan for CSS Basins							Green Infrastructure Program Plan for CSS Basins																																					
Consent Decree Duration (24 Months)							Consent Decree Duration (24 Months)																																					
OQ1120	Consent Decree Duration Completion Milestone	0			24-Apr-15 A	24-Apr-15	Consent Decree Duration Completion Milestone																																					



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020			
							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
QQ1110	Consent Decree Duration	730	24-Apr-13 A	24-Apr-13	24-Apr-15 A	24-Apr-15	Consent Decree Duration																													
Project Procurement							Project Procurement																													
QQ1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	Reviews/ Negotiates and Approve Proposal / Agreement																													
QQ1150	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	Approved Agreement to Council for Approval																													
QQ1160	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Consultant Signed Agreement to City for Execution																													
QQ1130	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																													
QQ1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																													
Planning Phase							Planning Phase																													
QQ1170	Program Manager / Owner Review and Coordination	47	06-Mar-15 A	06-Mar-15	22-Apr-15 A	22-Apr-15	Program Manager / Owner Review and Coordination																													
QQ1010	Planning Phase	699	05-Apr-13 A	05-Apr-13	05-Mar-15 A	05-Mar-15	Planning Phase																													
Public Document Repository							Public Document Repository																													
QQ1020	Submit Draft Deliverable to Reference Librarian	0	18-Mar-15 A	18-Mar-15	23-Apr-15 A	23-Apr-15	Submit Draft Deliverable to Reference Librarian																													
QQ1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0	18-Mar-15 A	18-Mar-15	23-Apr-15 A	23-Apr-15	Submit Deliverable to EPA, TDEC and Provide notice to TCWN																													
QQ1040	Public Review Period	33	18-Mar-15 A	18-Mar-15	20-Apr-15 A	20-Apr-15	Public Review Period																													
QQ1050	Public Comment Review Period	2	21-Apr-15 A	21-Apr-15	23-Apr-15 A	23-Apr-15	Public Comment Review Period																													
QQ1030	Post Copy of Draft Deliverable on City's Website	0	18-Mar-15 A	18-Mar-15	18-Mar-15 A	18-Mar-15	Post Copy of Draft Deliverable on City's Website																													
Project Completion Report							Project Completion Report																													
QQ1180	Project Completion Report	0	23-Apr-15 A	23-Apr-15	23-Apr-15 A	23-Apr-15	Project Completion Report																													
EPA and TDEC Approvals							EPA and TDEC Approvals																													
QQ1090	TDEC Review and Approval	204	23-Apr-15 A	23-Apr-15	13-Nov-15 A	13-Nov-15	TDEC Review and Approval																													
QQ1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	13-Nov-15 A	13-Nov-15	13-Nov-15 A	13-Nov-15	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)																													
QQ1070	Place Copy of EPA and TDEC Submittal in PDR	5	23-Apr-15 A	23-Apr-15	28-Apr-15 A	28-Apr-15	Place Copy of EPA and TDEC Submittal in PDR																													
QQ1080	EPA Review and Approval	204	23-Apr-15 A	23-Apr-15	13-Nov-15 A	13-Nov-15	EPA Review and Approval																													
Section VII - Civil Penalty							Section VII - Civil Penalty																													
Para 29 - Cash Fine							Para 29 - Cash Fine																													
Cash Fine							Cash Fine																													
Civil Penalty - 50% Cash Payment							Civil Penalty - 50% Cash Payment																													
CF1000	Pay 50% of Civil Penalty of \$238,200 to Dept of Justice by EFT	24	24-Apr-13 A	24-Apr-13	17-May-13 A	17-May-13	Pay 50% of Civil Penalty of \$238,200 to Dept of Justice by EFT																													
Para 30 - State Project (50% of Civil Penalty)							Para 30 - State Project (50% of Civil Penalty)																													
Highland Park GI Demonstration Project							Highland Park GI Demonstration Project																													
Consent Decree Duration							Consent Decree Duration																													
OR1090	Task 4 CD Duration	185	24-Oct-18	24-Oct-18	26-Apr-19	26-Apr-19	Task 4 CD Duration																													
OR1230	Task 3 CD Duration	1461	24-Oct-14 A	24-Oct-14	23-Oct-18	23-Oct-18	Task 3 CD Duration, Task 3 CD Duration																													
OR1170	Task 2 CD Duration	180	26-Apr-14 A	26-Apr-14	23-Oct-14 A	23-Oct-14	Task 2 CD Duration																													
OR1100	Task 1 CD Duration	183	24-Apr-13 A	24-Apr-13	24-Oct-13 A	24-Oct-13	Task 1 CD Duration																													
OR1040	Consent Decree Duration Completion Milestone	0	24-Apr-13 A	24-Apr-13	26-Apr-19*	26-Apr-19	Consent Decree Duration Completion Milestone																													
OR1030	Consent Decree Duration	2194	24-Apr-13 A	24-Apr-13	26-Apr-19	26-Apr-19	Consent Decree Duration, Consent Decree Duration																													
Project Procurement							Project Procurement																													
OR1080	City Internal Performance	0	24-Apr-13 A	24-Apr-13	24-Apr-13 A	24-Apr-13	City Internal Performance																													
Task 1 - Planning Phase							Task 1 - Planning Phase																													
OR1005	Public Document Repository	47	06-Sep-13 A	06-Sep-13	23-Oct-13 A	23-Oct-13	Public Document Repository																													



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 2016 2017 2018 2019 2020																							
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
OR1000	Project Plan	247	01-Jan-13 A	01-Jan-13	05-Sep-13 A	05-Sep-13	[Gantt bars for Project Plan]																							
OR1050	EPA Submittal	183	24-Oct-13 A	24-Oct-13	25-Apr-14 A	25-Apr-14	[Gantt bars for EPA Submittal]																							
Task 2 - Engineering Phase							[Task 2 - Engineering Phase Summary Bar]																							
OR1110	Public Document Repository	33	19-Sep-14 A	19-Sep-14	23-Oct-14 A	23-Oct-14	[Gantt bars for Public Document Repository]																							
OR1120	EPA Submittal	0	23-Oct-14 A	23-Oct-14	23-Oct-14 A	23-Oct-14	[Gantt bars for EPA Submittal]																							
OR1010	EPA Project Plan Approval	0			25-Apr-14 A	25-Apr-14	[Gantt bars for EPA Project Plan Approval]																							
OR1020	Detailed Design	146	25-Apr-14 A	25-Apr-14	18-Sep-14 A	18-Sep-14	[Gantt bars for Detailed Design]																							
Task 3 - Construction Bidding Phase							[Task 3 - Construction Bidding Phase Summary Bar]																							
OR1060	EPA Detailed Design Approval	0			23-Oct-14 A	23-Oct-14	[Gantt bars for EPA Detailed Design Approval]																							
OR1180	3A - Bidding	995	24-Oct-14 A	24-Oct-14	14-Jul-17		[Gantt bars for 3A - Bidding]																							
Task 3: Construction Phase							[Task 3: Construction Phase Summary Bar]																							
OR1190	3B - Construction	277	15-Jul-17		17-Apr-18		[Gantt bars for 3B - Construction]																							
Task 4 - GI Design Workshop							[Task 4 - GI Design Workshop Summary Bar]																							
OR1070	Prepare and Conduct Workshop	110	18-Apr-18*		05-Aug-18		[Gantt bars for Prepare and Conduct Workshop]																							
Section VIII - Supplemental Environmental Project							[Section VIII - Supplemental Environmental Project Summary Bar]																							
Para 31 - Supplemental Environmental Project							[Para 31 - Supplemental Environmental Project Summary Bar]																							
Agawela Drive Stream Restoration							[Agawela Drive Stream Restoration Summary Bar]																							
Consent Decree Duration (60 Months)							[Consent Decree Duration (60 Months) Summary Bar]																							
OS1040	Consent Decree Duration Completion Milestone	0			24-Apr-18*		[Gantt bars for Consent Decree Duration Completion Milestone]																							
OS1030	Consent Decree Duration (60 Months)	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*		[Gantt bars for Consent Decree Duration (60 Months)]																							
Project Procurement							[Project Procurement Summary Bar]																							
OS1100	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	[Gantt bars for PMO Reviews/ Negotiates and Approve Proposal / Agreement]																							
OS1110	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	[Gantt bars for PMO Approved Agreement to Council for Approval]																							
OS1120	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	[Gantt bars for Consultant Signed Agreement to City for Execution]																							
OS1090	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	[Gantt bars for Consultant develops and Submit Scope and Cost proposal]																							
OS1080	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	[Gantt bars for CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP]																							
Planning Phase							[Planning Phase Summary Bar]																							
OS1000	Planning Phase	265	24-Jan-13 A	24-Jan-13	16-Oct-13 A	16-Oct-13	[Gantt bars for Planning Phase]																							
Engineering Phase							[Engineering Phase Summary Bar]																							
OS1010	Engineering	860	18-Oct-13 A	18-Oct-13	24-Feb-16 A	24-Feb-16	[Gantt bars for Engineering]																							
Construction Bidding Phase							[Construction Bidding Phase Summary Bar]																							
OS1060	Construction Bidding Phase	122	25-Feb-16 A	25-Feb-16	26-Jun-16 A	26-Jun-16	[Gantt bars for Construction Bidding Phase]																							
Construction Phase							[Construction Phase Summary Bar]																							
OS1070	Construction Phase	368	27-Jun-16 A	27-Jun-16	29-Jun-17		[Gantt bars for Construction Phase]																							
Project Completion Report							[Project Completion Report Summary Bar]																							
OS1170	SEP Completion Report	30	30-Jun-17		29-Jul-17		[Gantt bars for SEP Completion Report]																							
EPA and TDEC Approvals							[EPA and TDEC Approvals Summary Bar]																							
OS1150	TDEC Review and Approval	60	30-Jul-17		27-Sep-17		[Gantt bars for TDEC Review and Approval]																							
OS1160	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	28-Sep-17		04-Oct-17		[Gantt bars for Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)]																							
OS1130	Place Copy of EPA and TDEC Submittal in PDR	7	30-Jul-17		05-Aug-17		[Gantt bars for Place Copy of EPA and TDEC Submittal in PDR]																							
OS1140	EPA Review and Approval	60	30-Jul-17		27-Sep-17		[Gantt bars for EPA Review and Approval]																							
Section IX - Reporting Requirement							[Section IX - Reporting Requirement Summary Bar]																							
Para 38 - Quarterly Reports							[Para 38 - Quarterly Reports Summary Bar]																							
Quarterly Reports							[Quarterly Reports Summary Bar]																							
Quarterly Report - 2013							[Quarterly Report - 2013 Summary Bar]																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019		2020							
							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			
CR1060	Submit Deliverable to EPA and TDEC	0	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14																																
CR1020	Submit Deliverable to EPA and TDEC	1	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13																																
CR1040	Quarterly Report Period 2	93	30-Sep-13 A	30-Sep-13	31-Dec-13 A	31-Dec-13																																
CR1000	Quarterly Report Period 1	160	24-Apr-13 A	24-Apr-13	30-Sep-13 A	30-Sep-13																																
CR1070	Place Copy of EPA and TDEC Submittal in PDR	0	10-Feb-14 A	10-Feb-14	10-Feb-14 A	10-Feb-14																																
CR1030	Place Copy of EPA and TDEC Submittal in PDR	1	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13																																
CR1050	Develop Quarterly Report	28	01-Jan-14 A	01-Jan-14	29-Jan-14 A	29-Jan-14																																
CR1010	Develop Quarterly Report	30	30-Sep-13 A	30-Sep-13	29-Oct-13 A	29-Oct-13																																
Quarterly Report - 2014			390	01-Jan-14 A	01-Jan-14	26-Jan-15 A	26-Jan-15																															
CR1220	Submit Deliverable to EPA and TDEC	0	26-Jan-15 A	26-Jan-15	26-Jan-15 A	26-Jan-15																																
CR1180	Submit Deliverable to EPA and TDEC	0	29-Oct-14 A	29-Oct-14	29-Oct-14 A	29-Oct-14																																
CR1140	Submit Deliverable to EPA and TDEC	0	29-Jul-14 A	29-Jul-14	29-Jul-14 A	29-Jul-14																																
CR1100	Submit Deliverable to EPA and TDEC	0	29-Apr-14 A	29-Apr-14	29-Apr-14 A	29-Apr-14																																
CR1200	Quarterly Report Period 6	91	01-Oct-14 A	01-Oct-14	31-Dec-14 A	31-Dec-14																																
CR1160	Quarterly Report Period 5	91	01-Jul-14 A	01-Jul-14	30-Sep-14 A	30-Sep-14																																
CR1120	Quarterly Report Period 4	90	01-Apr-14 A	01-Apr-14	30-Jun-14 A	30-Jun-14																																
CR1080	Quarterly Report Period 3	89	01-Jan-14 A	01-Jan-14	31-Mar-14 A	31-Mar-14																																
CR1230	Place Copy of EPA and TDEC Submittal in PDR	0	26-Jan-15 A	26-Jan-15	26-Jan-15 A	26-Jan-15																																
CR1190	Place Copy of EPA and TDEC Submittal in PDR	0	29-Oct-14 A	29-Oct-14	29-Oct-14 A	29-Oct-14																																
CR1150	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jul-14 A	29-Jul-14	29-Jul-14 A	29-Jul-14																																
CR1110	Place Copy of EPA and TDEC Submittal in PDR	0	29-Apr-14 A	29-Apr-14	29-Apr-14 A	29-Apr-14																																
CR1210	Develop Quarterly Report	26	31-Dec-14 A	31-Dec-14	26-Jan-15 A	26-Jan-15																																
CR1170	Develop Quarterly Report	29	30-Sep-14 A	30-Sep-14	29-Oct-14 A	29-Oct-14																																
CR1130	Develop Quarterly Report	28	30-Jun-14 A	30-Jun-14	28-Jul-14 A	28-Jul-14																																
CR1090	Develop Quarterly Report	27	01-Apr-14 A	01-Apr-14	28-Apr-14 A	28-Apr-14																																
Quarterly Report - 2015			395	01-Jan-15 A	01-Jan-15	31-Jan-16 A	31-Jan-16																															
CR4260	Submit Deliverable to EPA and TDEC	0	29-Jan-16 A	29-Jan-16	29-Jan-16 A	29-Jan-16																																
CR4220	Submit Deliverable to EPA and TDEC	0	30-Oct-15 A	30-Oct-15	30-Oct-15 A	30-Oct-15																																
CR1300	Submit Deliverable to EPA and TDEC	0	30-Jul-15 A	30-Jul-15	30-Jul-15 A	30-Jul-15																																
CR1260	Submit Deliverable to EPA and TDEC	0	29-Apr-15 A	29-Apr-15	29-Apr-15 A	29-Apr-15																																
CR1320	Quarterly Report Period 9	91	01-Jul-15 A	01-Jul-15	30-Sep-15 A	30-Sep-15																																
CR1280	Quarterly Report Period 8	90	01-Apr-15 A	01-Apr-15	30-Jun-15 A	30-Jun-15																																
CR1240	Quarterly Report Period 7	89	01-Jan-15 A	01-Jan-15	31-Mar-15 A	31-Mar-15																																
CR4240	Quarterly Report Period 10	91	01-Oct-15 A	01-Oct-15	31-Dec-15 A	31-Dec-15																																
CR4270	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jan-16 A	31-Jan-16	31-Jan-16 A	31-Jan-16																																
CR4230	Place Copy of EPA and TDEC Submittal in PDR	0	31-Oct-15 A	31-Oct-15	31-Oct-15 A	31-Oct-15																																



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



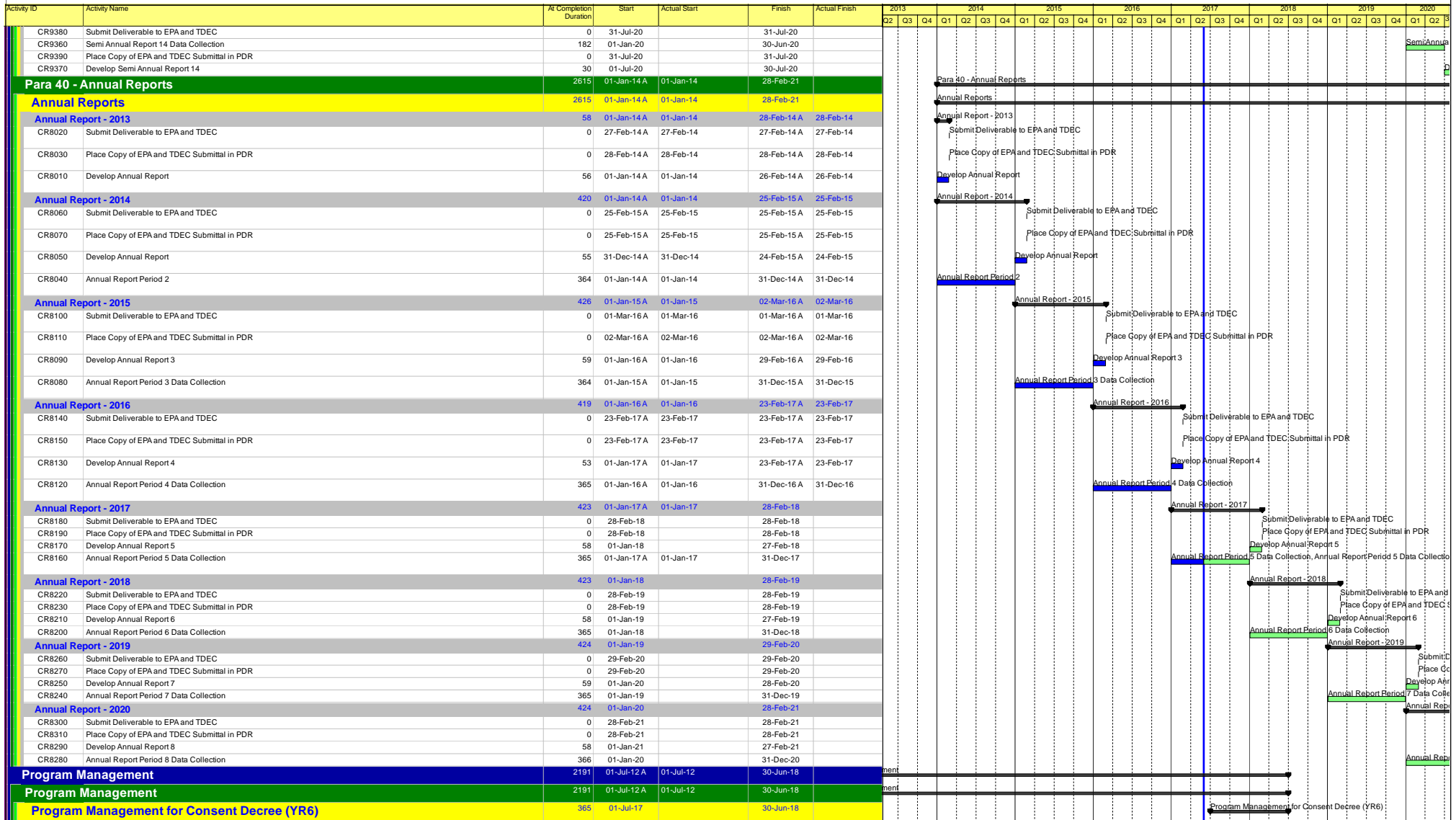
Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013			2014			2015			2016			2017			2018			2019			2020	
							Q2	Q3	Q4	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
CR4090	Develop Semi Annual Report	27	31-Dec-14 A	31-Dec-14	27-Jan-15 A	27-Jan-15																							
CR4050	Develop Semi Annual Report	27	01-Jul-14 A	01-Jul-14	28-Jul-14 A	28-Jul-14																							
Semi-Annual Report - 2015																													
CR4180	Submit Deliverable to EPA and TDEC	0	29-Jan-16 A	29-Jan-16	29-Jan-16 A	29-Jan-16																							
CR4140	Submit Deliverable to EPA and TDEC	0	31-Jul-15 A	31-Jul-15	31-Jul-15 A	31-Jul-15																							
CR4160	Semi Annual Report 5 Data Collection	183	01-Jul-15 A	01-Jul-15	31-Dec-15 A	31-Dec-15																							
CR4120	Semi Annual Report 4 Data Collection	180	01-Jan-15 A	01-Jan-15	30-Jun-15 A	30-Jun-15																							
CR4190	Place Copy of EPA and TDEC Submittal in PDR	0	30-Jan-16 A	30-Jan-16	30-Jan-16 A	30-Jan-16																							
CR4150	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-15 A	31-Jul-15	31-Jul-15 A	31-Jul-15																							
CR4170	Develop Semi Annual Report 5	28	31-Dec-15 A	31-Dec-15	28-Jan-16 A	28-Jan-16																							
CR4130	Develop Semi Annual Report 4	29	01-Jul-15 A	01-Jul-15	30-Jul-15 A	30-Jul-15																							
Semi-Annual Report - 2016																													
CR9100	Submit Deliverable to EPA and TDEC	0	31-Jan-17 A	31-Jan-17	31-Jan-17 A	31-Jan-17																							
CR9060	Submit Deliverable to EPA and TDEC	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16																							
CR9080	Semi Annual Report 7 Data Collection	183	01-Jul-16 A	01-Jul-16	31-Dec-16 A	31-Dec-16																							
CR9040	Semi Annual Report 6 Data Collection	181	01-Jan-16 A	01-Jan-16	30-Jun-16 A	30-Jun-16																							
CR9110	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jan-17 A	31-Jan-17	31-Jan-17 A	31-Jan-17																							
CR9070	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16																							
CR9090	Develop Semi Annual Report 7	30	01-Jan-17 A	01-Jan-17	31-Jan-17 A	31-Jan-17																							
CR9050	Develop Semi Annual Report 6	29	01-Jul-16 A	01-Jul-16	30-Jul-16 A	30-Jul-16																							
Semi-Annual Report - 2017																													
CR9180	Submit Deliverable to EPA and TDEC	0	30-Jan-18		30-Jan-18																								
CR9140	Submit Deliverable to EPA and TDEC	0	31-Jul-17		31-Jul-17																								
CR9160	Semi Annual Report 9 Data Collection	184	01-Jul-17		31-Dec-17																								
CR9120	Semi Annual Report 8 Data Collection	181	01-Jan-17 A	01-Jan-17	30-Jun-17																								
CR9190	Place Copy of EPA and TDEC Submittal in PDR	0	30-Jan-18		30-Jan-18																								
CR9150	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-17		31-Jul-17																								
CR9170	Develop Semi Annual Report 9	29	01-Jan-18		29-Jan-18																								
CR9130	Develop Semi Annual Report 8	30	01-Jul-17		30-Jul-17																								
Semi-Annual Report - 2018																													
CR9260	Submit Deliverable to EPA and TDEC	0	29-Jan-19		29-Jan-19																								
CR9220	Submit Deliverable to EPA and TDEC	0	31-Jul-18		31-Jul-18																								
CR9240	Semi Annual Report 11 Data Collection	184	01-Jul-18		31-Dec-18																								
CR9200	Semi Annual Report 10 Data Collection	181	01-Jan-18		30-Jun-18																								
CR9270	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jan-19		29-Jan-19																								
CR9230	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-18		31-Jul-18																								
CR9250	Develop Semi Annual Report 11	28	01-Jan-19		28-Jan-19																								
CR9210	Develop Semi Annual Report 10	30	01-Jul-18		30-Jul-18																								
Semi-Annual Report - 2019																													
CR9340	Submit Deliverable to EPA and TDEC	0	29-Jan-20		29-Jan-20																								
CR9300	Submit Deliverable to EPA and TDEC	0	31-Jul-19		31-Jul-19																								
CR9320	Semi Annual Report 13 Data Collection	184	01-Jul-19		31-Dec-19																								
CR9280	Semi Annual Report 12 Data Collection	181	01-Jan-19		30-Jun-19																								
CR9350	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jan-20		29-Jan-20																								
CR9310	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-19		31-Jul-19																								
CR9330	Develop Semi Annual Report 13	28	01-Jan-20		28-Jan-20																								
CR9290	Develop Semi Annual Report 12	30	01-Jul-19		30-Jul-19																								
Semi-Annual Report - 2020																													
CR9360	Submit Deliverable to EPA and TDEC	0	29-Jan-20		29-Jan-20																								
CR9370	Submit Deliverable to EPA and TDEC	0	31-Jul-19		31-Jul-19																								
CR9380	Semi Annual Report 14 Data Collection	184	01-Jul-19		31-Dec-19																								
CR9390	Semi Annual Report 13 Data Collection	181	01-Jan-19		30-Jun-19																								
CR9400	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jan-20		29-Jan-20																								
CR9410	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-19		31-Jul-19																								
CR9420	Develop Semi Annual Report 14	28	01-Jan-20		28-Jan-20																								
CR9430	Develop Semi Annual Report 13	30	01-Jul-19		30-Jul-19																								



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION





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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
 CITY OF CHATTANOOGA, TN
 WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014			2015			2016			2017			2018			2019			2020	
							Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Program Management - Fiscal Year 2018																												
A8930	Year 6 - Fiscal Year 2018	365	01-Jul-17		30-Jun-18																							
Program Management																												
Year 1 2013																												
A15000	Year 1 - Fiscal Year 2013	364	01-Jul-12 A	01-Jul-12	30-Jun-13 A	30-Jun-13																						
Year 2 2014																												
A15100	Year 2 - Fiscal Year 2014	364	01-Jul-13 A	01-Jul-13	30-Jun-14 A	30-Jun-14																						
Year 3 2015																												
A15200	Year 3 - Fiscal Year 2015	364	01-Jul-14 A	01-Jul-14	30-Jun-15 A	30-Jun-15																						
Year 4 2016																												
A15300	Year 4 - Fiscal Year 2016	365	01-Jul-15 A	01-Jul-15	30-Jun-16 A	30-Jun-16																						
Year 5 2017																												
A15400	Year 5 - Fiscal Year 2017	365	01-Jul-16 A	01-Jul-16	30-Jun-17																							
Additional Consent Decree Supported Projects																												
MBWWTP Backup Electrical Power																												
Engineering Phase																												
A4780	Engineering Phase	747	10-Jan-12 A	10-Jan-12	26-Jan-14 A	26-Jan-14																						
Construction Bidding Phase																												
A4790	Construction Bidding Phase	1467	27-Jan-11 A	27-Jan-11	02-Feb-15 A	02-Feb-15																						
Construction Phase																												
A4800	Construction Phase	1132	03-Feb-13 A	03-Feb-13	11-Mar-16 A	11-Mar-16																						
Citico PS Reliability Improvements																												
Citico PS Reliability Improvements																												
Project Procurement																												
A4505	PMO Reviews/ Negotiates and Approve Proposal / Agreement	7	20-Aug-16 A	20-Aug-16	27-Aug-16 A	27-Aug-16																						
A4510	PMO Approved Agreement to Council for Approval	30	28-Aug-16 A	28-Aug-16	27-Sep-16 A	27-Sep-16																						
A4495	Development and Issuance of RFP	21	01-Jul-16 A	01-Jul-16	22-Jul-16 A	22-Jul-16																						
A4515	Consultant Signed Agreement to City for Execution	57	27-Sep-16 A	27-Sep-16	23-Nov-16 A	23-Nov-16																						
A4500	Consultant develops and Submit Scope and Cost proposal	27	23-Jul-16 A	23-Jul-16	19-Aug-16 A	19-Aug-16																						
Planning Phase																												
A4600	Planning Phase	98	11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17																						
Pump Station																												
A4605	Engineering Phase- Pump Station	119	16-Jan-17 A	16-Jan-17	15-May-17 A	15-May-17																						
Force Main																												
A4655	Engineering Phase- Force Main	282	13-Sep-17		21-Jun-18																							
Pump Station																												
A4615	Construction Bidding Phase- Pump Station	78	16-May-17 A	16-May-17	01-Aug-17																							
Force Main																												
A4675	Construction Bidding Phase- Force Main	65	22-Jun-18		25-Aug-18																							
Pump Station																												
A4625	Construction Phase- Pump Station	399	02-Aug-17		04-Sep-18																							
Force Main																												
A4665	Construction Phase- Force Main	211	26-Aug-18		24-Mar-19																							
Project Completion																												
A4820	Project Completion	1	25-Mar-19		25-Mar-19																							



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013				2014				2015				2016				2017				2018				2019				2020	
							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
201 Facility Plan Update							Plan Update																													
201 Facility Plan Update							Plan Update																													
Project Procurement							Project Procurement																													
OP1310	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	18-Oct-12 A	18-Oct-12	21-Dec-12 A	21-Dec-12	Reviews/ Negotiates and Approve Proposal / Agreement																													
OP1320	PMO Approved Agreement to Council for Approval	18	18-Oct-12 A	18-Oct-12	08-Jan-13 A	08-Jan-13	Approved Agreement to Council for Approval																													
OP1330	Consultant Signed Agreement to City for Execution	14	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	Consultant Signed Agreement to City for Execution																													
OP1300	Consultant develops and Submit Scope and Cost proposal	10	09-Jan-13 A	09-Jan-13	11-Dec-12 A	11-Dec-12	Consultant develops and Submit Scope and Cost proposal																													
OP1170	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	02-Dec-12 A	02-Dec-12	01-Dec-12 A	01-Dec-12	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP																													
Planning Phase							Planning Phase																													
OP1200	Planning Phase PHASE 2	666	23-Jan-13 A	23-Jan-13	01-Sep-16 A	01-Sep-16	Planning Phase PHASE 2																													
OP1180	Planning Phase PHASE 1	612	05-Nov-14 A	05-Nov-14	27-Sep-14 A	27-Sep-14	Planning Phase PHASE 1																													
Citico PS and CSOTF Upgrades							Citico PS and CSOTF Upgrades																													
Citico PS and CSOTF Upgrades							Citico PS and CSOTF Upgrades																													
Project Procurement							Project Procurement																													
A1040	PMO Reviews/ Negotiates and Approve Proposal / Agreement	57	21-Aug-14 A	21-Aug-14	03-Dec-14 A	03-Dec-14	PMO Reviews/ Negotiates and Approve Proposal / Agreement																													
A1050	PMO Approved Agreement to Council for Approval	5	07-Oct-14 A	07-Oct-14	09-Dec-14 A	09-Dec-14	PMO Approved Agreement to Council for Approval																													
A1060	Consultant Signed Agreement to City for Execution	47	04-Dec-14 A	04-Dec-14	26-Jan-15 A	26-Jan-15	Consultant Signed Agreement to City for Execution																													
A1030	Consultant develops and Submit Scope and Cost proposal	16	10-Dec-14 A	10-Dec-14	06-Oct-14 A	06-Oct-14	Consultant develops and Submit Scope and Cost proposal																													
A1020	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	29	20-Sep-14 A	20-Sep-14	19-Sep-14 A	19-Sep-14	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP																													
Planning Phase							Planning Phase																													
A1210	SRF Facility Plan Approval	46	11-Feb-15 A	11-Feb-15	17-Dec-15 A	17-Dec-15	SRF Facility Plan Approval																													
A1200	Planning Phase	264	02-Nov-15 A	02-Nov-15	01-Nov-15 A	01-Nov-15	Planning Phase																													
Engineering Phase							Engineering Phase																													
A1300	Engineering Phase	413	27-May-15 A	27-May-15	13-Jul-16 A	13-Jul-16	Engineering Phase																													
Construction Bidding Phase							Construction Bidding Phase																													
A1600	SRF Administration Phase	0	14-Jul-16 A	14-Jul-16	30-Nov-16 A	30-Nov-16	SRF Administration Phase																													
A1500	Construction Bidding Phase	139	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Construction Bidding Phase																													
Construction Phase							Construction Phase																													
A1700	Construction Phase	319	01-Dec-16 A	01-Dec-16	15-Oct-17 A	15-Oct-17	Construction Phase																													
MBWWTP Detritors Rehab							MBWWTP Detritors Rehab																													
MBWWTP Detritors Rehab							MBWWTP Detritors Rehab																													
Planning Phase							Planning Phase																													
A3010	SRF Facility Plan Approval	54	02-Jul-15 A	02-Jul-15	10-Mar-16 A	10-Mar-16	SRF Facility Plan Approval																													
A3000	Planning Phase	193	17-Jan-16 A	17-Jan-16	10-Jan-16 A	10-Jan-16	Planning Phase																													
Engineering Phase							Engineering Phase																													
A3120	TDEC Approval of Contract Documents	45	05-Feb-16 A	05-Feb-16	12-Dec-16 A	12-Dec-16	TDEC Approval of Contract Documents																													
A3100	Engineering Phase	265	28-Oct-16 A	28-Oct-16	27-Oct-16 A	27-Oct-16	Engineering Phase																													
Construction Bidding Phase							Construction Bidding Phase																													
A3200	Construction Bidding Phase	102	13-Dec-16 A	13-Dec-16	25-Mar-17 A	25-Mar-17	Construction Bidding Phase																													
Construction Phase							Construction Phase																													
A3300	Construction Phase	425	26-Mar-17 A	26-Mar-17	24-May-18 A	24-May-18	Construction Phase																													



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CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020	
							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
Friar's Branch -South Chick Creek 5 Interceptor Rehab																																		
Friar's Branch-South Chick Creek 5 Interceptor Rehab																																		
Planning Phase																																		
A4020	SRF Facility Plan Approval	38	16-Feb-16 A	16-Feb-16	24-Mar-16 A	24-Mar-16																												
A4000	Planning Phase	153	16-Sep-15 A	16-Sep-15	15-Feb-16 A	15-Feb-16																												
Engineering Phase																																		
A4120	SRF Approval of Contract Documents	30	24-Jul-17		22-Aug-17																													
A4100	Engineering Phase	486	25-Mar-16 A	25-Mar-16	23-Jul-17																													
Construction Bidding Phase																																		
A4220	SRF Administration Phase	30	21-Nov-17		20-Dec-17																													
A4200	Construction Bidding Phase	90	23-Aug-17		20-Nov-17																													
Construction Phase																																		
A4300	Construction Phase	360	21-Dec-17		15-Dec-18																													
South Chick PS Phase II/Spring Creek PS Upgrades																																		
South Chick PS Phase II and Spring Creek PS Upgrades																																		
Project Procurement																																		
A2030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	163	14-Oct-14 A	14-Oct-14	26-Mar-15 A	26-Mar-15																												
A2040	PMO Approved Agreement to Council for Approval	4	27-Mar-15 A	27-Mar-15	31-Mar-15 A	31-Mar-15																												
A2050	Consultant Signed Agreement to City for Execution	34	01-Apr-15 A	01-Apr-15	05-May-15 A	05-May-15																												
A2020	Consultant develops and Submit Scope and Cost proposal	23	20-Sep-14 A	20-Sep-14	13-Oct-14 A	13-Oct-14																												
A2000	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	29	21-Aug-14 A	21-Aug-14	19-Sep-14 A	19-Sep-14																												
Planning Phase																																		
A2200	Planning Phase	283	06-May-15 A	06-May-15	12-Feb-16 A	12-Feb-16																												
Engineering Phase																																		
A2400	SRF Approval of Contract Documents	43	21-Jun-16 A	21-Jun-16	03-Aug-16 A	03-Aug-16																												
A2300	Engineering Phase	117	24-Feb-16 A	24-Feb-16	20-Jun-16 A	20-Jun-16																												
Construction Bidding Phase																																		
A2600	SRF Administration Phase	26	28-Sep-16 A	28-Sep-16	24-Oct-16 A	24-Oct-16																												
A2500	Construction Bidding Phase	54	04-Aug-16 A	04-Aug-16	27-Sep-16 A	27-Sep-16																												
Construction Phase																																		
A2700	Construction Phase	165	27-Oct-16 A	27-Oct-16	10-Apr-17 A	10-Apr-17																												
Carter Street Sewer Rehab																																		
Carter Street Sewer Rehabilitation																																		
Project Procurement																																		
A1130	Previously Procured Consent Decree Projects	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12																												
Planning Phase																																		
A1150	SRF Facility Plan Approval	4	16-Jan-16 A	16-Jan-16	19-Jan-16 A	19-Jan-16																												
A1140	Planning Phase	3	13-Jan-16 A	13-Jan-16	15-Jan-16 A	15-Jan-16																												
Engineering Phase																																		
A1170	SRF Approval of Contract Documents	42	19-Feb-16 A	19-Feb-16	01-Apr-16 A	01-Apr-16																												
A1160	Engineering	37	13-Jan-16 A	13-Jan-16	18-Feb-16 A	18-Feb-16																												
Construction Bidding Phase																																		
A1190	SRF Administration Phase	0	17-Jun-16 A	17-Jun-16	17-Jun-16 A	17-Jun-16																												



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

CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013		2014				2015				2016				2017				2018				2019				2020				
							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		
A11180	Construction Bidding Phase	78	04-Apr-16 A	04-Apr-16	21-Jun-16 A	21-Jun-16																															
Construction Phase		126	24-Aug-16 A	24-Aug-16	28-Dec-16 A	28-Dec-16																															
A11200	Construction Phase	126	24-Aug-16 A	24-Aug-16	28-Dec-16 A	28-Dec-16																															
MBWWTP Control Room Upgrade		887	30-Nov-15 A	30-Nov-15	04-May-18																																
MBWWTP Control Room Upgrades		887	30-Nov-15 A	30-Nov-15	04-May-18																																
Project Execution		553	30-Nov-15 A	30-Nov-15	04-Jun-17																																
A4390	Project Execution	553	30-Nov-15 A	30-Nov-15	04-Jun-17																																
Planning Phase		358	01-Dec-15 A	01-Dec-15	23-Nov-16 A	23-Nov-16																															
A4400	Planning	358	01-Dec-15 A	01-Dec-15	23-Nov-16 A	23-Nov-16																															
Engineering Phase		222	05-Oct-16 A	05-Oct-16	15-May-17 A	15-May-17																															
A4410	Engineering	222	05-Oct-16 A	05-Oct-16	15-May-17 A	15-May-17																															
Construction Bidding Phase		93	16-May-17 A	16-May-17	16-Aug-17																																
A4420	Construction Bidding Phase	93	16-May-17 A	16-May-17	16-Aug-17																																
Construction Phase		261	17-Aug-17		04-May-18																																
A4430	Construction Phase	261	17-Aug-17		04-May-18																																



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