

January 29, 2018

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. 9 – July 2017 to December 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 January 29, 2018 Page Two

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

Sincerely,

Milal C. RA

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. 9



July 1 – December 31, 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

January 29, 2018

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Tables

	Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period
1-2	Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period2

ARAP	Aquatic Resource Alteration Permit
CAP	Capacity Assurance Program
CD	Consent Decree
CIPP	Cured in Place Pipe
СМОМ	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

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 July 1, 2017 through December 31, 2017 ("Report Period"), and the projections cover the period of January 1, 2018 through June 30, 2018.

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. 16	Section IX., para 38	7/31/2017	7/26/2017
Quarterly Report No. 17	Section IX., para 38	10/31/2017	10/25/2017
Semi-Annual Work Progress Report No. 8	Section IX., para 39	7/31/2017	7/26/2017
Highland Park Sewer Rehabilitation	Section VI, para 22	4/24/2018	11/28/2017
MBWWTP Telemetry and Supervisory Control And Data Acquisition ("SCADA") Upgrades	Section VI, para 22	4/24/2018	11/28/2017
Long Term Control Plan ("LTCP")-Additional Operational Plan	Section VI, para 24	10/24/2017*	10/24/2017

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

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming semi-annual period of January 1, 2018 through June 30, 2018. 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
Focused Sanitary Sewer Evaluation Services ("SSES") and Rehab – Chattanooga Creek 4	Section VI, para 21	7/24/2020	4/18/2018
Focused SSES and Rehab – Dobb's Branch 3	Section VI, para 21	7/24/2020	3/30/2018
Focused SSES and Rehab – South Chickamauga Creek 1-Phase 1	Section VI, para 21	7/24/2020	3/30/2018
Focused SSES and Rehab – South Chickamauga Creek 5	Section VI, para 21	7/24/2020	3/17/2018
DuPont Pump Station ("PS") and Basin Improvements – Phase 1	Section VI, para 22	4/24/2018	1/31/2018
East Brainerd PS Rehabilitation	Section VI, para 22	4/24/2018	3/28/2018
Orchard Knob PS Improvements	Section VI, para 22	4/24/2018	3/31/2018
Friars Branch Basin Improvements	Section VI, para 22	4/24/2018	3/3/2018
Agawela Drive Stream Restoration – Supplemental Environmental Project ("SEP")	Section VIII, para 31	4/24/2018	4/14/2018
Citico PS and CSOTF Upgrades**	Section IX, para 39(c)	N/A	2/21/2018
South Chick PS Phase II and Spring Creek PS Upgrades**	Section IX, para 39(c)	N/A	2/28/2018

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

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.

3.1 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 July 9, 2016 and construction began March 2, 2017. Construction is scheduled to be complete in the first half of 2018.

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 28, 2015. Bidding began on October 29, 2015, and NTP for construction was issued March 14, 2016. Final completion of the original contract was met on May 7, 2017. Additional work added to the contract included cleaning approximately 1,980 LF of 78" sewer interceptor and 48" triple barrel stream crossing immediately upstream of the 23rd street PS, as well as cleaning the wet well at the 23rd street PS. Cleaning is expected to be complete in the first half of 2018.

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

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

<u>Phase 1</u> - 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 29, 2016 and the NTP for construction was issued July 7, 2017. Construction is anticipated to be complete in the first half of 2018.

<u>Phase 2</u> - Based on the results of the SSES it was determined that a PS will be installed to eliminate portions of the gravity sewer located in the flood plain to increase I/I removal, and improve maintenance and reliability of the collection system infrastructure in the basin. An NTP for professional services is anticipated in the first half of 2018 with an estimated construction completion in the first half of 2020.

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 and approval was received February 10, 2017. Bidding began November 08, 2016 and construction began May 30, 2017. Construction is scheduled to be complete in the first half of 2018.

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.

<u>Phase 1</u> 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 December 3, 2015 and the NTP for construction was issued March 16, 2016. Construction began April 15, 2016 and is expected to be complete in the first half of 2018.

<u>Phase 2</u> The original plan called for the design and construction of approximately 7.5 million gallons of wet weather storage and a new wet weather PS at the DuPont PS site. Prior to the start of construction in the first half of 2017, public concern of the nature of the project grew and the City decided to focus on other options. The new plan calls for the design and construction of an approximately 22 Million Gallons per Day ("MGD") new wet weather PS further downstream of the existing DuPont PS site on City owned property in a commercial area where the DuPont-Lupton City interceptors merge. The project also includes a new diversion structure, standby generator, as well as the upsizing of approximately 7,000 LF section of gravity interceptor. The re-design is currently in progress utilizing the original professional services NTP of June 23, 2015. Work on the re-design will continue in the first half of 2018, with an estimated construction completion in the first half of 2020.

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.

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

<u>PS Rehabilitation</u>- 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 29, 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 7, 2015. The construction phase is scheduled to be complete in the first half of 2018.

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 (completed)

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 31, 2015. TDEC approval was received on April 26, 2016, and bidding began April 27, 2016. The NTP for construction was issued on August 30, 2016. Construction was completed November 28, 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)

This project has been completed. See Semi-Annual Work Progress Report No. 8 submitted July 26, 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 October 21, 2015 and the NTP for construction was issued March 18, 2016. Final completion is scheduled for the first half of 2018.

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 January 28, 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 April 18, 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 24, 2016. Construction began April 28, 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)

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

3.3.2.2 MBWWTP Hydraulic and Pump Improvements (completed)

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

3.3.2.3 MBWWTP Bar and Fine Screen Replacements (completed)

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

3.3.2.4 MBWWTP Effluent Disinfection System Upgrade (completed)

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

3.3.3 CSO Projects

3.3.3.1 Carter Street CSOTF Sewer Outfall Replacement (completed)

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

3.3.3.2 Automation of Valve Operators at CSO Facilities (completed)

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

3.3.4 **Operations Projects**

3.3.4.1 South Chickamauga 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 (Completed)

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 17, 2015 and approval was received on November

10, 2015. Bidding began November 10, 2015. Construction began November 13, 2016 and was completed on November 28, 2017.

3.4 Long Term Control Plan ("LTCP") Updates

3.4.1 LTCP-Additional Operational Plan ("AOP") (Completed)

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 guality 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 were obtained and modeling was completed on September 7, 2017. The AOP was submitted to EPA for review on October 16, 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 October 23, 2014, and construction began May 25, 2017. Construction is scheduled to be complete in the first half of 2018, and the GI design workshop is scheduled to occur in the second half of 2018.

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 first half of 2018. Additionally the SEP Completion Report required per paragraph 33 of the CD will be submitted in the first half of 2018.

3.9 Reporting Requirements

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

- Quarterly Reports, including detailed information on Chattanooga's 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 17;
- Semi-Annual Work Progress Reports 1 8, and
- Annual Report 1 4.

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

- Quarterly Reports 17 and 18;
- Semi-Annual Work Progress Report 9; 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.

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 November 30, 2016. Bidding commenced July 14, 2016, and construction began December 1, 2016. Construction is estimated to be complete in the first half of 2018.

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 4, 2016 and the NTP for construction services was issued October 27, 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 was performed October 11, 2017, but due to field issues, analysis of the data has not been performed. The evaluation is anticipated to be completed in the first half of 2018.

4.5 Carter Street Sewer Rehabilitation (completed)

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

4.6 MBWWTP – Detritors Rehabilitation

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 on October 28, 2016, and approval was received on December 12, 2016. Bidding began December 13, 2016, and construction began March 26, 2017. Construction is anticipated to be complete in the second 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 bidding began November 18, 2017. Construction is expected to commence in the first half of 2018.

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 began December 23, 2017. Construction is anticipated to be complete in the second half of 2018.

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 began on September 1, 2017. Construction is anticipated to be complete in the second half of 2018.

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 the project is currently in the design phase. Bidding is scheduled to begin in the first half of 2018.

4.11 Wet Weather Combined Sewer Storage – Phase 1 & Phase 2

This project is a major component of the ISS plan to reduce system overflows and stay within compliance of the EPA mandated Chattanooga CD Program. This project will construct Phase I & II of wet weather storage system at the Hamm Rd site and store peak wet weather flows, prevent sanitary sewer overflows at the West Bank Overflow, and meet the future capacity requirements as set forth in the Consent Decree. 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 NTP for professional services was awarded on November 3, 2017, and the project is currently in the planning phase. Bidding is anticipated to commence in the second half of 2018.

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)

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

4.14 CSOTF Improvements - Phase 1

This project includes structural, instrumentation and SCADA control changes to the CSOTF facilities in improves reliability and capacity utilization. An NTP for professional services is anticipated in the first half of 2018 with an estimated construction completion in the first half of 2019.

4.15 South Chickamauga Creek 4 Rehabilitation

This project involves the rehabilitation of sanitary sewer pipe and manholes located in the South Chickamauga Creek Sewer Basin. This project will improve the reliability and structural integrity of the existing pipe and will remove unwanted inflow and infiltration from the system. Trenchless technology methods are being analyzed to reduce construction and permitting costs. An NTP for professional services is anticipated in the first half of 2018 with an estimated construction completion in the second half of 2020.

4.16 Tennessee River 13 Rehabilitation

This project involves the rehabilitation of sanitary sewer pipe and manholes located in the Tennessee River Sewer Basin. This project will improve the reliability and structural integrity of the existing pipe and will remove unwanted inflow and infiltration from the system. Trenchless technology methods are being analyzed to reduce construction and permitting costs. An NTP for professional services is anticipated in the first half of 2018 with an estimated construction completion in the second half of 2020.

4.17 Friars Branch Interceptor Improvements - Phase 1

This project involves the rehabilitation of sanitary sewer pipe and manholes located in the Friars Branch Sewer Basin. This project will improve the reliability and structural integrity of the existing pipe and will remove unwanted inflow and infiltration from the system. Trenchless technology methods are being analyzed to reduce construction and permitting costs. An NTP for professional services is anticipated in the first half of 2018 with an estimated construction completion in the second half of 2020.

Appendix A Project Schedules Gantt Chart

CEMBER 2017 UP	PDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U DATE	-			Page DATA DATE: 12/3
	Activity Name	Start Actual Start Finish A		Ouration % 009 Complete	Q1 Q2 Q3 Q4 Q1 Q2 Q3 <
attanooga Conser	nt Decree Deliverables Schedule	26-Nov-08 A 26-Nov-08 27-Feb-21		63.35% la Consei	ar az az<
rogram Milestones		24-Apr-13 A 24-Apr	4-Apr-13	0%	Program Milestones
		24-Apr-13 A 24-Apr-13 24-Apr-13 A 2		0%	Program Milestones
Program Milestones				0 %	
Consent Decree Ef	ifective Date	24-Apr-13 A 24-Apr	4-Apr-13	0%	Corisent Decree Effective Date
PROGRAM MILESTONE	ES Contraction of the second	24-Apr-13 A 24-Apr-13 24-Apr-13 A 24	4-Apr-13	0%	PRÓGRÁM MILESTONES
OO1000	Consent Decree Effective Date	24-Apr-13 A 24-Apr-13		100%	Consent Decree Effective Date
Section VI - Complia	nce Requirements	26-Nov-08 A 26-Nov-08 27-Jul-20		67.97% Complia	e Requirements
Para 19 - Communit	y Input Plan	24-Apr-13 A 24-Apr-13 25-Nov-13 A 2	5-Nov-13	100%	Parà 19 - Community Input Plán
Community Input P	Plan	24-Apr-13 A 24-Apr-13 25-Nov-13 A 2	5-Nov-13	<mark>100%</mark>	Community Input Plan
Consent Decree Duratio		24-Apr-13 A 24-Apr-13 24-Nov-13 A 24	4-Nov-13	100%	Consent Decree Duration
A4310	Consent Decree Duration	24-Apr-13 A 24-Apr-13 24-Nov-13 A 24		100%	Consent Decree Duration
Community Input Plan		24-Apr-13 A 24-Apr-13 25-Nov-13 A 24		100%	Community Input Plan
BC1010	Community Input Plan Development	24-Apr-13 A 24-Apr-13 24-Nov-13 A 2	4-Nov-13	100%	Community Input Plan Development
BC1020	Community Input Plan Submitted to WWRAB	25-Nov-13 A 25-Nov		100%	Community Input Plan Submitted to WWRAB
Para 20 - CMOM		26-Nov-08 A 26-Nov-08 28-Sep-16 A 2	8-Sep-16	100% MOM	
CMOM-Sewer Over	flow Response Protocol (SORP)	15-Jul-12 A 15-Jul-12 05-Jun-14 A 0	5-Jun-14	100%	CMOM-Sewer Overflow Response Protocol (SDRP)
Consent Decree Duratio		24-Apr-13A 24-Apr-13 25-Nov-13A 2	5-Nov-13	100%	Corisent Decree Duration (7 Months)
OA0100	Consent Decree Duration (7 Months)	24-Apr-13 A 24-Apr-13 25-Nov-13 A 24		100%	Consent Decree Duration (7 Months)
OA0110	Consent Decree Duration Completion Milestone	25-Nov-13 A 2		100%	Consent Decree Duration Completion Milestone
Project Procurement		15-Jul-12 A 15-Jul-12 15-Jul-12 A 1		0%	Project Procurement
OA0200	PM Procurement	15-Jul-12 A 15-Jul-12 15-Jul-12 A 15		100%	PM Procurement
Planning Phase		15-Jul-12 A 15-Jul-12 22-Oct-13 A 2		100%	Administration Period
OA0010 OA1000	Adminstration Period Planning Phase	15-Jul-12 A 15-Jul-12 28-Feb-13 A 2 01-Mar-13 A 01-Mar-13 22-Oct-13 A 2		100% 100%	Planning Phase
Public Document Repos		23-Oct-13 A 23-Oct-13 25-Nov-13 A 23		100%	Public Document Repository
OA2000	Submit Draft Deliverable to Reference Librarian	23-Oct-13 A 23-Oct	3-Oct-13	100%	Submit Draft Deliverable to Reference Librarian
OA2010	Post Copy of Draft Deliverable on City's Website	23-Oct-13 A 23-Oct-13 A 23-Oct-13 A 23	3-Oct-13	100%	Post Copy of Draft Deliverable on Gity's Website
OA2020	Public Review Period	24-Oct-13 A 24-Oct-13 24-Nov-13 A 24-Nov-1		100%	Public Review Period Public Comment Review Period
OA2030 OA2040	Public Comment Review Period Submit Deliverable to EPA, TDEC and Provide notice to TCWN	23-Nov-13 A 23-Nov-13 25-Nov-13 A 2 25-Nov-13 A 2		100% 100%	
EPA and TDEC Approva		26-Nov-13 A 26-Nov-13 05-Jun-14 A 0		100%	EPA and TDEC Approvals Submit Deliverable to EPA. TDEC and Provide notice to TCWN
OA0900	Place Copy of EPA and TDEC Submittal in PDR	26-Nov-13 A 26-Nov-13 04-Dec-13 A 0	4-Dec-13	100%	Place Copy of EPA and TDEC Submitted in PDR
OA0910	EPA / TDEC Review	26-Nov-13 A 26-Nov-13 28-May-14 A 2	,	100%	
OA0920 OA0930	Address Comments for Final EPA / TDEC Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	29-Mar-14 A 29-Mar-14 29-May-14 A 2 30-May-14 A 30-May-14 05-Jun-14 A 05-Jun-1		100% 100%	Address Comments for Final EPA / TDEC Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)
040930	Approval by EPA)	30-May-14 A 30-May-14 03-Jun-14 A 0	5-Juli-14	100%	
CMOM-Emergency	Response Plan	18-Oct-12 A 18-Oct-12 14-Dec-15 A 1-	4-Dec-15	<mark>100%</mark>	CMQM-Emergency Response Plan
Consent Decree Duratio		24-Apr-13 A 24-Apr-13 24-Nov-14 A 24	4-Nov-14	100%	Consent Decree Duration (19 Months)
OB0100	Consent Decree Duration (19 Months)	24-Apr-13 A 24-Apr-13 24-Nov-14 A 24		100%	Consent Decree Duration (19 Months)
OB0110	Consent Decree Duration Completion Milestone	24-Nov-14 A 2	4-Nov-14	100%	Consent Decree Duration Completion Milestone
Project Procurement		18-Oct-12 A 18-Oct-12 01-Dec-12 A 0	1-Dec-12	100%	Project Procurement
OB1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A 18-Oct-12 01-Dec-12 A 0	1-Dec-12	100%	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP
OB1010	Consultant develops and Submit Scope and Cost proposal	18-Oct-12 A 18-Oct-12 27-Oct-12 A 2	7-Oct-12	100%	Consultant develops and Submit Scope and Cost proposal
OB1020	PMO Reviews/ Negotiates and Approve Proposal / Agreement	18-Oct-12 A 18-Oct-12 27-Oct-12 A 2		100%	PMO Reviews/ Negotiates and Approve Proposal / Agreement
OB1030	PMO Approved Agreement to Council for Approval	18-Oct-12 A 18-Oct-12 04-Nov-12 A 0		100%	PMO Approved Agréement to Çounçil for Approval
OB1040	Consultant Signed Agreement to City for Execution	18-Oct-12 A 18-Oct-12 31-Oct-12 A 3 23-Jan-13 A 23-Jan-13 12-Oct-14 A 12		100% 100%	Consultant Signed Agreement to City for Execution Planning Phase
Planning Phase OB2000	Planning Phase	23-Jan-13 A 23-Jan-13 12-Oct-14 A 1. 23-Jan-13 A 23-Jan-13 20-Aug-14 A 2		100%	Planning Phase
OB2000 OB2010	-	23-Jan-13 A 23-Jan-13 20-Aug-14 A 21 21-Aug-14 A 21-Aug-14 12-Oct-14 A 12	-	100%	Program Manager, / Owner Review and Coordination
Public Document Repos		12-Oct-14 A 12-Oct-14 20-Nov-14 A 2		100%	Puplic Document Repository
OB3000	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A 14-Oct-14 A 14-04		100%	Submit Draft Deliverable to Reference Librarian
OB3010	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A 13-Oct-14 13-Oct-14 A 13		100%	PostCopy of Draft Deliverable on City's Website
OB3020 OB3030	Public Review Period Public Comment Review Period	12-Oct-14 A 12-Oct-14 17-Nov-14 A 1 18-Nov-14 A 18-Nov-14 20-Nov-14 A 2		100% 100%	Public Comment Review Period
OB3040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	20-Nov-14 A 20 20-Nov-14 A 2		100%	
EPA and TDEC Approva		21-Nov-14 A 21-Nov-14 14-Dec-15 A 1		100%	Submit Deliverable to EPA. TDEC and Provide notice to TCWN
OB0900	Place Copy of EPA and TDEC Submittal in PDR	21-Nov-14 A 21-Nov-14 24-Nov-14 A 24	4-Nov-14	100%	Place Copy of EPA and TDEC Submittal in PDR
OB0910	EPA / TDEC Review	21-Nov-14 A 21-Nov-14 12-Mar-15 A 1.		100%	EPA/TDEC Review
OB0920 OB0930	Address Comments for Final EPA / TDEC Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	13-Mar-15 A 13-Mar-15 28-Jul-15 A 2 08-Dec-15 A 08-Dec-15 14-Dec-15 A 14-		100% 100%	Address Comments for Final EPA/TDEC Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of
000000	Approval by EPA)		- 000-10	100 /0	
CMOM-Fats, Oils, a	and Grease (FOG) Mgmt. Plan	15-Jul-12 A 15-Jul-12 12-Dec-14 A 1	2-Dec-14	100%	CMÓM-Fats, Oils, and Gréase (FOG) Mgmt. Plan
	on (13 Months)	24-Apr-13 A 24-Apr-13 27-May-14 A 2		100%	Corisent Decree Duration (13 Months)

Actual Level of Effort 🔶 Baseline Milestone

Actual Work

Remaining Work

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



C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U DECEMBER 2017 UPDATE

	Activity Name			Complete Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	i Q1 Q2 Q3 Q4 Q1 Q2 Q1 Q2 Q1 Q1 Q2 Q1
100	Consent Decree Duration	24-Apr-13 A 24-Apr-13	27-May-14 A 27-May-14	100%			Corisent Decrée Duration
110	Consent Decree Duration Completion Milestone		27-May-14 A 27-May-14	100%			Consept Decree Duration Comoletion Milestone
ect Procurement		15-Jul-12 A 15-Jul-12	15-Jul-12 A 15-Jul-12	0%			Project Procurement
000	PM Procurement	15-Jul-12 A 15-Jul-12	15-Jul-12 A 15-Jul-12	100%			PM Procurement
ning Phase		15-Jul-12 A 15-Jul-12	15-Apr-14 A 15-Apr-14	100%			Planning Phase
005	Adminstration Period	15-Jul-12 A 15-Jul-12	09-Sep-13 A 09-Sep-13	100%			Adminstration Period
010	Planning Phase	10-Sep-13 A 10-Sep-13	16-Feb-14 A 16-Feb-14	100%			Planning Phase
020	Program Manager / Owner Review and Coordination	17-Feb-14 A 17-Feb-14	15-Apr-14 A 15-Apr-14	100%			Program Manager / Owher Review and Coordination
ic Document Repos	sitory	16-Apr-14 A 16-Apr-14	27-May-14 A 27-May-14	100%			Public Document Repository
000	Submit Draft Deliverable to Reference Librarian	16-Apr-14 A 16-Apr-14	16-Apr-14 A 16-Apr-14	100%			Submit Draft Deliverable to Reference Librarian
010	Post Copy of Draft Deliverable on City's Website	16-Apr-14 A 16-Apr-14	16-Apr-14 A 16-Apr-14	100%			Post Copy of Draft Deliverable on City's Website
020	Public Review Period	17-Apr-14 A 17-Apr-14	17-May-14 A 17-May-14	100%			Public Review Period
)30	Public Comment Review Period	18-May-14 A 18-May-14	27-May-14 A 27-May-14	100%			Public Comment Review Period
040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN		27-May-14 A 27-May-14	100%			Submit Deliverable to EPA. TDEC and Provide notice to TCWN
and TDEC Approval	ls	28-May-14 A 28-May-14	12-Dec-14 A 12-Dec-14	100%			
900	Place Copy of EPA and TDEC Submittal in PDR	28-May-14 A 28-May-14	05-Jun-14 A 05-Jun-14	100%			Place Copy of EPA and TDEC Submittal in PDR
910	EPA / TDEC Review	28-May-14 A 28-May-14	02-Jul-14 A 02-Jul-14	100%			EPA/TDEC Review
920	Address Comments for Final EPA / TDEC Approval		12-Dec-14 A 12-Dec-14	100%			Address Comments for Final EPA / TDEC Approval
930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	12-Dec-14 A 12-Dec-14	12-Dec-14 A 12-Dec-14	100%			Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)
	Approval by EPA)			1000			CMOM Growth Line Proventive Maint Program
OM-Gravity Line	Preventive Maint. Program	18-Oct-12 A 18-Oct-12	09-Dec-14 A 09-Dec-14	100%			CMQM-Gtavity/Line/Preventive Maint. Program
sent Decree Duratio	on (13 Months)	24-Apr-13A 24-Apr-13	27-May-14 A 27-May-14	100%			Consent Decree Duration (13 Months)
110	Consent Decree Duration (13 Months)	24-Apr-13 A 24-Apr-13	27-May-14 A 27-May-14	100%			Corisent Decree Duration (13 Months)
120	Consent Decree Duration Completion Milestone		27-May-14 A 27-May-14	100%			
ect Procurement		18-Oct-12 A 18-Oct-12	22-Jan-13 A 22-Jan-13	100%			Project Procurement Consent Decree Duration Completion Milestone
000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and	18-Oct-12 A 18-Oct-12	01-Dec-12 A 01-Dec-12	100%			CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP
	Issuance of RFP						
130	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A 02-Dec-12	11-Dec-12 A 11-Dec-12	100%			Consultant develops and Submit Scope and Cost proposal
140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A 12-Dec-12	21-Dec-12 A 21-Dec-12	100%			PMO Reviews/ Negotiates and Approve Proposal / Agreement
150	PMO Approved Agreement to Council for Approval	22-Dec-12 A 22-Dec-12	08-Jan-13 A 08-Jan-13	100%			PMO Approved Agreement to Council for Approval
160	Consultant Signed Agreement to City for Execution	09-Jan-13 A 09-Jan-13	22-Jan-13 A 22-Jan-13	100%			Conșultarit Signed Agreement to Citý for Execuțion
ning Phase		23-Jan-13 A 23-Jan-13	16-Apr-14 A 16-Apr-14	100%			Planning Phase
010	Planning Phase	23-Jan-13 A 23-Jan-13	28-Mar-14 A 28-Mar-14	100%			Planning Phase
170	Program Manager / Owner Review and Coordination	29-Mar-14 A 29-Mar-14	16-Apr-14 A 16-Apr-14	100%			Program Manager / Owner: Review and Coordination
ic Document Repos	sitory	17-Apr-14 A 17-Apr-14	21-May-14 A 21-May-14	100%			Public Document Répository
020	Submit Draft Deliverable to Reference Librarian	17-Apr-14 A 17-Apr-14	17-Apr-14 A 17-Apr-14	100%			Submit Draft Deliverable to Reference Librarian
030	Post Copy of Draft Deliverable on City's Website	17-Apr-14 A 17-Apr-14	17-Apr-14 A 17-Apr-14	100%			Post Copy of Draft Deliverable on City's Website
040	Public Review Period	17-Apr-14 A 17-Apr-14	17-May-14 A 17-May-14	100%			Public Review Period
050	Public Comment Review Period	18-May-14 A 18-May-14	21-May-14 A 21-May-14	100%			Public Comment Review Period
060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN		21-May-14 A 21-May-14	100%			Submit Deliverable to EPA TDEC and Provide notice to TGWN
and TDEC Approval	ls	22-May-14 A 22-May-14	09-Dec-14 A 09-Dec-14	100%			
070	Place Copy of EPA and TDEC Submittal in PDR	22-May-14 A 22-May-14	27-May-14 A 27-May-14	100%			Place Copy of EPA and TDEC Submittal in PDR
080	EPA /TDEC Review	22-May-14 A 22-May-14		100%			EPA/TDEC Review
090	Address Comments for Final EPA / TDEC Approval	08-Jul-14 A 08-Jul-14		100%			Address Comments for Final EPA / TDEC Approval
100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	06-Dec-14 A 06-Dec-14	09-Dec-14 A 09-Dec-14	100%			Submit Copy of Approved Deliverable in the PDR (within 7 days ollowing Receipt of Approval by EPA)
		40.0+42.4 40.0+42	22 Ort 45 A 22 Ort 45	1000/			CMOM-PS Operations and Preventive Maint. Programs
OM-PS Operatio	ons and Preventive Maint. Programs	18-Oct-12 A 18-Oct-12	22-001-15 A 22-001-15	100%			
sent Decree Duratio	on (19 Months)	24-Apr-13 A 24-Apr-13	24-Nov-14 A 24-Nov-14	100%			Consent Decree Duration (19 Months)
110	Consent Decree Duration	24-Apr-13A 24-Apr-13	24-Nov-14 A 24-Nov-14	100%			Corisent Decree Duration
20	Consent Decree Duration Completion Milestone		24-Nov-14 A 24-Nov-14	100%			Consent Decree Duration Completion Milestone
ect Procurement		18-Oct-12 A 18-Oct-12	22-Jan-13 A 22-Jan-13	100%			Project Procurément
000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and	18-Oct-12 A 18-Oct-12	01-Dec-12 A 01-Dec-12	100%			CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP
	Issuance of RFP						
00	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A 02-Dec-12	11-Dec-12 A 11-Dec-12	100%			Consultant develops and Submit Scope and Cost proposal
10	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A 12-Dec-12	21-Dec-12 A 21-Dec-12	100%			PMO Reviews/ Negotiates and Approve Proposal / Agreement
20	PMO Approved Agreement to Council for Approval	22-Dec-12 A 22-Dec-12		100%			PMO Approved Agreement to Council for Approval
30	Consultant Signed Agreement to City for Execution	09-Jan-13 A 09-Jan-13		100%			Consultant Signed Agreement to City for Execution
ning Phase		24-Jan-13 A 24-Jan-13	12-Oct-14 A 12-Oct-14	100%			
)10	Planning Phase	24-Jan-13 A 24-Jan-13		100%			Planning Phase
30	Program Manager / Owner Review and Coordination	30-Sep-14 A 30-Sep-14		100%			Program Manager / Owner Review and Coordination
ic Document Repos	sitory	13-Oct-14 A 13-Oct-14	18-Nov-14 A 18-Nov-14	100%			Public Document Repository
020	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A 13-Oct-14		100%			Submit Draft Deliverable to Reference Librariah
030	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A 13-Oct-14		100%			Post Copy of Draft Deliverable on City's Website
40	Public Review Period		17-Nov-14 A 17-Nov-14	100%			Public Review Period
050	Public Comment Review Period	18-Nov-14 A 18-Nov-14		100%			Public Comment Review Period
060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN		18-Nov-14 A 18-Nov-14	100%			Submit Deliverable to EPA. TDEC and Provide notice to TCWN
and TDEC Approval	IS	18-Nov-14 A 18-Nov-14	22-Oct-15 A 22-Oct-15	100%			
070	Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A 18-Nov-14		100%			Place Copy of EPA and TDEC Submittal in PDR
080	EPA / TDEC Review	19-Nov-14 A 19-Nov-14	12-Mar-15 A 12-Mar-15	100%			EPA/TDEC Review
SPORTED CO	Summary Critical Remaining W	(CHATTANO				PROGRAM - PHASE I
SEAL	Actual Level of Effort 🔶 🔶 Baseline Milestone	,			-	-	
E State	Actual Work			CITY (OF CHAT	ANOOGA	
and a second							



Page 2 of 24 DATA DATE: 12/31/2017

Activity	Namo	Start Actual Start Finish Actual Finish	Duration %	6 000	2010 2011 2012 2013 2014 20	2015 2016 2017 2018
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	ss Comments for Final EPA / TDEC Approval	13-Mar-15 A 13-Mar-15 22-Oct-15 A 22-Oct-15	100%		<u>Á</u> ddre	ess Comments for Final EPA / TDEC Approval
	t Copy of Approved Deliverable in the PDR (within 7 days following Receipt of val by EPA)	22-Oct-15 A 22-Oct-15 A 22-Oct-15 A 22-Oct-15	100%	6		Submit Copy of Approved Deliverable in the PDR (within 7 days following
MOM-Hydraulic Model Do	evelopment	26-Nov-08 A 26-Nov-08 31-Jul-16 A 31-Jul-16	100%	6 Iraulic Model	velopment	
	-	24 Are 12A 24 Are 12 24 May 10A 24 May 10	4000/		Consent Decree Duration (37 Months)	
onsent Decree Duration (37 Mor	· ·	24-Apr-13 A 24-Apr-13 24-May-16 A 24-May-16	100%		Consent Decree Duration	
	nt Decree Duration nt Decree Duration Completion Milestone	24-Apr-13A 24-Apr-13 24-May-16A 24-May-16 24-May-16A 24-May-16	100%			
roject Procurement	in Decree Duraion Completion Milestone	26-Nov-08 A 26-Nov-08 26-Jan-09 A 26-Jan-09		。 curement		Consent Decree Duration Completion Milestone
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Planning Phase		27-Jan-09A 27-Jan-09 23-May-16A 23-May-16	100%	6 g Phase		
	istration Period	27-Jan-09 A 27-Jan-09 30-Apr-16 A 30-Apr-16	100%			
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DF1130 Program	m Manager / Owner Review and Coordination	30-Apr-16 A 30-Apr-16 23-May-16 A 23-May-16	100%	6		Program Manager / Owner Review and Coordination
Public Document Repository		24-May-16 A 24-May-16 Z4-May-16 A 24-May-16	100%	6		Public Document Repository
		24-May-16 A 24-May-16 A 24-May-16 A 24-May-16	100%	- 1 1 1		Submit Draft Deliverable to Reference Librarian
		24-May-16A 24-May-16 24-May-16A 24-May-16	100%	— i i i		Post Copy of Draft Deliverable on City's Website Public Review Period
		24-May-16 A 24-May-16 24-May-16 A 24-May-16 A 24-May-16 A 24 May 16 A 24 May 1	100%			Public Review Period Public Comment Review Period
	Comment Review Period t Deliverable to EPA, TDEC and Provide notice to TCWN	24-May-16 A 24-May	100%			
PA and TDEC Approvals		31-Jul-16 A 31-Jul-16 31-Jul-16 A 31-Jul-16	0%			Submit Deliverable to EPA. TDEC and Provide notice to T
	ation of Completion to EPA, DEC, TCWN	31-Jul-16 A 31-Jul-16 31-Jul-16 A 31-Jul-16	100%			Notification of Completion to EPA, DEC, TCWN
MOM-Capacity Assurance	•	15-Jul-12 A 15-Jul-12 28-Sep-16 A 28-Sep-16	100%		CMOM-Capacity Assurance Program	
					Corisent Decree Duration (37 Months)	
onsent Decree Duration (37 Mor		24-Apr-13 A 24-Apr-13 24-May-16 A 24-May-16	100%			
	nt Decree Duration	24-Apr-13 A 24-Apr-13 24-May-16 A 24-May-16	100%	- 1 1 1	Consent Decrée Duration	╈╍┿╍┿╍┿╍┊┊┊╎┊┊┊╏┇┇┇╏┊┊
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roject Procurement					PM Procurement	
	ocurement	15-Jul-12 A 15-Jul-12 14-Oct-14 A 14-Oct-14 15-Jul-12 A 15-Jul-12 12-Apr-16 A 12-Apr-16	100%	i i	Planning Phase	
Planning Phase OG1005 Adminis	istration Period	15-Jul-12 A 15-Jul-12 14-Oct-14 A 14-Oct-14	100%		Administration Period	
	ng Phase	15-Jul-12 A 15-Jul-12 14-Oct-14 A 14-Oct-14 15-Oct-14 A 15-Oct-14 22-Dec-15 A 22-Dec-15	100%	— i i I	Planning Phas	ise
		23-Dec-15 A 23-Dec-15 12-Apr-16 A 12-Apr-16	100%			Program Manager / Owner Review and Coordination
Public Document Repository		13-Apr-16 A 13-Apr-16 23-May-16 A 23-May-16	100%			Public Document Repository
	t Draft Deliverable to Reference Librarian	13-Apr-16A 13-Apr-16 13-Apr-16A 13-Apr-16	100%	6		Submit Draft Deliverable to Reference Librarian
	opy of Draft Deliverable on City's Website	13-Apr-16A 13-Apr-16 13-Apr-16A 13-Apr-16	100%			Post Copy of Draft Deliverable on C ty's Website
OG1040 Public I	Review Period	13-Apr-16 A 13-Apr-16 13-May-16 A 13-May-16	100%	6		Public Review Period
	Comment Review Period	14-May-16 A 14-May-16 23-May-16 A 23-May-16	100%	— i i		Public Comment Review Period
	t Deliverable to EPA, TDEC and Provide notice to TCWN	23-May-16 A 23-May-16	100%			EPA and TDEC Approvals
PA and TDEC Approvals		24-May-16 A 24-May-16 28-Sep-16 A 28-Sep-16	100%			Place Copy of EPA and TDEC Submittal in PDR
		24-May-16 A 24-May-16 31-Jul-16 A 31-Jul-16	100%			EPA/TDEC Review
		24-May-16 A 24-May-16 21-Jun-16 A 21-Jun-16 22-Jun-16 A 22-Jun-16 20-Sep-16 A 20-Sep-16	100%			Address Comments for Final EPA/TDEC Approval
	t Copy of Approved Deliverable in the PDR (within 7 days following Receipt of		100%	-1: : !		Submit Copy of Approved Deliverable in the PDR (wit
	val by EPA)					
MOM-Inter-Jurisdictional	Agreement Program	15-Jul-12 A 15-Jul-12 16-Sep-14 A 16-Sep-14	100%	6	CMQM-Inter-Jurisdictional Agreement Program	
onsent Decree Duration (13 Mor		24-Apr-13 A 24-Apr-13 27-May-14 A 27-May-14	100%	6	Consent Decree Duration (13 Months)	
· · · · · · · · · · · · · · · · · · ·	nt Decree Duration	24-Apr-13 A 24-Apr-13 27-May-14 A 27-May-14			Consent Decree Duration	
	nt Decree Duration Completion Milestone	24-Api-13 A 24-Api-13 27-Way-14 A 27-Way-14 21-May-14 A 21-May-14				
roject Procurement		15-Jul-12 A 15-Jul-12 15-Jul-12 A 15-Jul-12	0%	- i i	Project Procurément Consent Decree Durai	ation Completion Milestone
•	ocurement	15-Jul-12 A 15-Jul-12 15-Jul-12 A 15-Jul-12	100%		PM Procurement	
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-	istration Period	15-Jul-12 A 15-Jul-12 15-Mar-13 A 15-Mar-13	100%	6	Administration Period	
DH1010 Plannir	ng Phase	16-Mar-13 A 16-Mar-13 31-Jan-14 A 31-Jan-14	100%		Planning Phase	
	m Manager / Owner Review and Coordination	01-Feb-14 A 01-Feb-14 10-Apr-14 A 10-Apr-14	100%	I	Program Manager / Owner R	
ublic Document Repository		16-Apr-14 A 16-Apr-14 21-May-14 A 21-May-14	100%	6	Public Document Reposi	
	t Draft Deliverable to Reference Librarian	16-Apr-14 A 16-Apr-14 16-Apr-14 A 16-Apr-14	100%	- 1 1	Submit Draft Deliverable	
	opy of Draft Deliverable on City's Website	16-Apr-14A 16-Apr-14 16-Apr-14A 16-Apr-14	100%	-1: : 1		rerable on City's Website
	Review Period	17-Apr-14 A 17-Apr-14 17-May-14 A 17-May-14	100%		Public Review Period Public Comment Revie	ew Period
	Comment Review Period t Deliverable to EPA, TDEC and Provide notice to TCWN	18-May-14 A 18-May-14 21-May-14 A 21-May-14 21-May-14 A 21-May-14 A 21-May-14 21-May-14	100%	— i i I		
PA and TDEC Approvals		22-May-14 A 22-May-14 16-Sep-14 A 16-Sep-14	100%		Submit Deliverable to LEPA and TDEC Approv	PEPA. TDEC and Provide notice to TCWN
	Copy of EPA and TDEC Submittal in PDR	22-May-14 A 22-May-14 27-May-14 A 27-May-14	100%			nd TDEC Submitta) in PDR
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	ss Comments for Final EPA / TDEC Approval	16-Sep-14 A 16-Sep-14 A 16-Sep-14 A 16-Sep-14	100%		· · · · · · · · · · · · · · · · · · ·	nents for Final EPA / TDEC Approval
0H1100 Submit		16-Sep-14 A 16-Sep-14 16-Sep-14 A 16-Sep-14	100%	-1: : !		f Approved Deliverable in the PDR (within 7 days following Receipt of Approval b
	• •	25-Mar-11 A 25-Mar-11 27-Jul-20	67.97%	6	Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan	
uth Chick Creek 5 River	r Port PS - SC1 Phase 2	24-Apr-13 A 24-Apr-13 27-Jul-20	0%	6	South Chick Creek 5 River Port PS SC1 Pha	15e Z

TENT

Actual Work

Remaining Work

CITY OF CHATTANOOGA, TN WASTE RESOURCES DIVISION



D	Activity Name	Start	Actual Start	Finish Actual Finish	h Durati Com	on % 009		2010		2011		2012	2013		2014
Concert Decree Duration		24-Apr-13 A	24 Apr 13	27-Jul-20	Con	0%	Q4 Q1	Q2 Q3	Q4 Q1	Q2 Q3 (24 Q1 Q2	Q3 Q4	Q1 Q2 Q3	3 Q4 Q1 nt Decree D	
Consent Decree Duration	· /					1 1								nt Decree D	
OL1250 OL1260	Consent Decree Duration Consent Decree Duration Milestone	24-Apr-13 A	24-Apr-13	27-Jul-20 27-Jul-20		0% 0%									: :
Project Procurement Phas		01-Dec-17 A	01-Dec-17			0%									
OL1200	Project Procurement Phase	01-Dec-17 A				0%									
Planning Phase		02-Apr-18	01-000-17	30-Jun-18		0%									
OL1210	Planning Phase	02-Apr-18		30-Jun-18		0%									
Engineering Phase		02-Api-18 01-Jul-18		27-Dec-18		0%									
OL1220	Engineering Phase	01-Jul-18		27-Dec-18		0%									
Construction Bidding Pha		28-Dec-18		27-Dec-18 27-Mar-19		0%									
OL1230	Construction Bidding Phase			27-Mar-19		0%									
	Construction Bidding Phase	28-Dec-18 28-Mar-19		21-Mar-20		0%									
Construction Phase															
OL1240	Construction Phase	28-Mar-19	45 1.40	21-Mar-20 20-Jul-15 A 20-Jul-15	4	0% 0%						SSES Wo	rk Plan		
SSES Work Plan		15-Jul-12 A	10-Jul-12	20-JUI-15 A 20-JUI-15		10%								+++	+++
Consent Decree Duration	(19 Months)	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14	i 1	00%								nt Decree D	
OI1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14	+ 1	00%							Conser	nt Decree D	uration
OI1120	Consent Decree Duration Completion Milestone			24-Nov-14 A 24-Nov-14	۱ <u>۱</u>	00%									
Project Procurement		15-Jul-12 A	15-Jul-12	15-Jul-12 A 15-Jul-12		0%						Project Pr	ocurement		
OI1000	PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A 15-Jul-12	1	00%						PM Procu			
Planning Phase		15-Jul-12 A	15-Jul-12	16-Oct-14 A 16-Oct-14	1	00%						Planning	Phase		
OI1005	Administration Phase	15-Jul-12 A	15-Jul-12	14-Jan-13 A 14-Jan-13	1	00%						Administr	ation Phase		
OI1010	Planning Phase	15-Jan-13 A	15-Jan-13	11-Sep-14 A 11-Sep-14	1	00%							Planning Pha	ase	<u></u>
OI1130	Program Manager / Owner Review and Coordination	12-Sep-14 A	12-Sep-14	16-Oct-14 A 16-Oct-14	1	00%									
Public Document Reposit	bry	17-Oct-14 A	17-Oct-14	20-Nov-14 A 20-Nov-14	۲ ^۱	00%									
OI1020	Submit Draft Deliverable to Reference Librarian	17-Oct-14 A	17-Oct-14	17-Oct-14 A 17-Oct-14	1	00%									
OI1030	Post Copy of Draft Deliverable on City's Website	17-Oct-14 A	17-Oct-14	17-Oct-14 A 17-Oct-14	1	00%									
OI1040	Public Review Period	18-Oct-14 A	18-Oct-14	17-Nov-14 A 17-Nov-14	1	00%									
OI1050	Public Comment Review Period	18-Nov-14 A	18-Nov-14	18-Nov-14 A 18-Nov-14	i 1	00%									
OI1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			20-Nov-14 A 20-Nov-14	1	00%									
EPA and TDEC Approvals		21-Nov-14 A	21-Nov-14	20-Jul-15 A 20-Jul-15	1	00%									
OI1070	Place Copy of EPA and TDEC Submittal in PDR	21-Nov-14 A	21-Nov-14	24-Nov-14 A 24-Nov-14	1	00%									
OI1080	EPA Review and Approval	_		12-Mar-15 A 12-Mar-15		00%									
OI1090	TDEC Review and Approval			12-Mar-15 A 12-Mar-15		00%									
OI1092	Revise Submittal Documents			04-May-15 A 04-May-15		00%									
OI1094	Final EPA Review and Approval		-	08-Jun-15 A 08-Jun-15		00%									
OI1096 OI1100	Final TDEC Review and Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	14-Jul-15 A		13-Jul-15 A 13-Jul-15 20-Jul-15 A 20-Jul-15)0%)0%									
01100	Approval by EPA)	14-Jui-15 A	14-Jui-15	20-Jul-15 A 20-Jul-15		JU 76									
Focused SSES and	Rehab - Chattanooga Creek 4	12-Dec-12 A	12-Dec-12	27-Jul-20	66.	25%						-	ocused SSES		
Consent Decree Duration	(87 Months)	24-Apr-13 A	24-Apr-13	27-Jul-20	64.	56%							Conser	nt Decree D	uration (
OJ1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20*	64.	56%							Conser	nt Decree D	uration,
OJ1120	Consent Decree Duration Completion Milestone			27-Jul-20*		0%									
Project Procurement		12-Dec-12 A	12-Dec-12	18-Apr-13 A 18-Apr-13	1	00%							roject Procure		
OJ3010	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and	12-Dec-12 A	12-Dec-12	15-Feb-13 A 15-Feb-13	; 1	00%						C	DPrequalific	ation Procu	rement (
OJ3020	Issuance of RFP Consultant develops and Submit Scope and Cost proposal	16-Feb-12 A	16-Feb-12	01-Mar-13 A 01-Mar-13	1	00%						7	Consultant	t develops a	nd Subn
OJ3030	PMO Reviews/ Negotiates and Approve Proposal / Agreement			15-Mar-13 A 15-Mar-13		0%								iews/Negoti	
OJ3040	PMO Approved Agreement to Council for Approval			22-Mar-13 A 22-Mar-13		00%								proved Agree	
OJ3050	Consultant Signed Agreement to City for Execution			18-Apr-13 A 18-Apr-13		00%								ant Signed A	greemer
Planning Phase				22-Apr-14 A 22-Apr-14		0%							Planni	ng Phase	
OJ1010	Planning Phase	29-Apr-13 A	29-Apr-13	22-Apr-14 A 22-Apr-14	1	00%							Planni	ng Phase	
OJ1130	SRF Facility Plan Approval			22-Apr-14 A 22-Apr-14		00%								SRIF Fac	<u>ili</u> ty Plar
Engineering Phase			11-Jul-14	08-Jul-16 A 08-Jul-16		00%									
OJ1020	Engineering	11-Jul-14 A		28-Mar-16 A 28-Mar-16		00%									Ē
OJ1020	SRF Approval of Contract Documents			08-Jul-16 A 08-Jul-16		00%									
Construction Bidding Pha			09-Jul-16			00%									
OJ2000	Construction Bidding Phase	09-Jul-16 A		23-Jan-17 A 23-Jan-17		00%									
OJ2010	SRF Administration Period			02-Dec-16 A 02-Dec-16		0%									
Construction Phase				03-Apr-18	68.	i i									
OJ3000	Construction Phase		02-Mar-17		68.										
EPA and TDEC Approvals		02-Mar-17 A	02 Mar-17	04-Apr-18		0%									
OJ1070	Notification of Completion to EPA, TDEC, TCWN	04-Apr-18		04-Apr-18		0%									
			12-Dec-12	· .	66.	i i						F	ocused SSES	and Rehal	o- Dobh
Focused SSES and	Rehab - Dobb's Branch 3	12-060-12 A	12-060-12	21-001-20											
Consent Decree Duration	(87 Months)	24-Apr-13 A	24-Apr-13	27-Jul-20	64.	56%							Conser	nt Decree D	uration (
Consent Decree Duration											1 1			nt Decree D	

Consent Decree Duration 24-Apr-13 A 24-Apr-13 27-Jul-20 64.56% Consent Decree Duration Completion Milestone 27-Jul-20* 0% 12-Dec-12 A 12-Dec-12 18-Apr-13 A 18-Apr-13 100% Critical Remaining W... Summary

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

Project Procurement

Actual Work Remaining Work

OK1050

ATTATA

SEAL

Project Procurement

Actual Level of Effort 🔶 Baseline Milestone

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1	20 Q2	015 Q3	Q4	Q1	20 Q2	016 Q3	Q4	Q1	20 Q2	17 Q3	Q4	Q1	20 Q2	18 Q3	Q4	Q1	20 Q2	19 Q3	Q4	2 Q1	020 Q2 🔍
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nit an	Peli d TDi	verab C Ar	le to prov	PA. ⁻ als	TDEC	and	Provi	de na	tice t	h TC\	ΝN										
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C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U DECEMBER 2017 UPDATE

	Activity Name	Start Actual Start	Finish	Actual Finish	Duration % 0 Complete	09 Q3 Q4	2010 Q1 Q2 Q3 Q4	Q1 Q	2011 2 Q3 Q		2012 2 Q3 Q	2013 2014 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3
OK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A 12-Dec-12	15-Feb-13 A	15-Feb-13	100%							CD Prequalification Procurement (F)
OK1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A	01-Mar-13	100%							Consultant develops and Submit
OK1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13	15-Mar-13 A	15-Mar-13	100%							PMO Reviews/ Negotiates and A
OK1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13	22-Mar-13 A	22-Mar-13	100%							PMO Approved Agreement to C
OK1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13	· ·	•	100%							Consultant Signed Agreement
Planning Phase		19-Apr-13A 19-Apr-13			100%							Planning Phase
OK1000	Planning Phase	19-Apr-13 A 19-Apr-13			100%							Planning Phase
OK1060	SRF Facility Plan Approval	24-Oct-13 A 24-Oct-13	· · ·		100%							SRF Facility Plan A
Engineering Phase		05-Nov-14 A 05-Nov-14			100%							
OK1010	Engineering	05-Nov-14 A 05-Nov-14			100%							
OK1020	SRF Approval of Contract Documents	08-Oct-15 A 08-Oct-15 29-Oct-15 A 29-Oct-15			100% 100%							
Construction Bidding Ph												
0K1070 0K2000	Construction Bidding Phase SRF Adminstration Period	29-Oct-15 A 29-Oct-15 24-Feb-16 A 24-Feb-16			100% 100%							
construction Phase	SKI Administration Feliou	15-Feb-16A 15-Feb-16	30-Mar-18	14-101-10	70.78%							
OK1080	Construction Phase	15-Feb-16 A 15-Feb-16			70.78%							
		31-Mar-18	30-Mar-18		0%							
PA and TDEC Approvals												
	Notification of Completion to EPA, TDEC, TCWN	31-Mar-18 12-Dec-12 A 12-Dec-12	31-Mar-18 27-Jul-20		0% 66.25%							Focused SSES and Rehab - South C
ocused SSES and	Rehab - South Chick Creek 1	12-Dec-12 A 12-Dec-12										
onsent Decree Duration	n (87 Months)	24-Apr-13A 24-Apr-13	27-Jul-20		64.56%							Consent Decree Duration (87
L1040	Consent Decree Duration	24-Apr-13 A 24-Apr-13	27-Jul-20		64.56%							Consent Decree Duration, Co
L1050	Consent Decree Duration Completion Milestone		27-Jul-20*		0%							
roject Procurement		12-Dec-12 A 12-Dec-12	18-Apr-13 A	18-Apr-13	100%							Project Procurement
DL1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A 12-Dec-12	15-Feb-13 A	15-Feb-13	100%							CD Prequalification Procurement (F)
L1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A	01-Mar-13	100%							Consultant develops and Submit
DL1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13			100%							PMO Reviews/ Negotiates and A
DL1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13			100%							PMO Approved Agreement to C
L1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13	18-Apr-13 A	18-Apr-13	100%							Consultant Signed Agreement
anning Phase		26-Jun-13A 26-Jun-13	01-Oct-15 A	01-Oct-15	100%							Planning Phase
DL1000	Planning Phase	26-Jun-13A 26-Jun-13	01-Oct-15 A	01-Oct-15	100%							Planning Phase
ngineering Phase		11-Feb-15 A 11-Feb-15	01-Jun-17 A	01-Jun-17	100%							
DL1010	Engineering	11-Feb-15 A 11-Feb-15	07-Dec-16 A	07-Dec-16	100%							
DL1020	SRF Approval of Contract Documents	08-Dec-16 A 08-Dec-16	01-Jun-17 A	01-Jun-17	100%							
onstruction Bidding Ph	ase	29-Dec-16 A 29-Dec-16	07-Jul-17 A	07-Jul-17	100%							
DL1070	Construction Bidding Phase	29-Dec-16 A 29-Dec-16	28-Jun-17 A	28-Jun-17	100%							
DL1075	SRF Adminstration Period	29-Jun-17 A 29-Jun-17	07-Jul-17 A	07-Jul-17	100%							
onstruction Phase		07-Jul-17 A 07-Jul-17	02-Apr-18		56.34%							
DL1080	Construction Phase	07-Jul-17 A 07-Jul-17	02-Apr-18		56.34%							
PA and TDEC Approvals	S	03-Apr-18	03-Apr-18		0%							
L1030	Notification of Completion to EPA, TDEC, TCWN	03-Apr-18	03-Apr-18		0%							
ocused SSES and	Rehab - South Chick Creek 5	12-Dec-12A 12-Dec-12	27-Jul-20		66.25%							Focused S\$ES and Rehab - South C
onsent Decree Duration		24-Apr-13 A 24-Apr-13	27-Jul-20		64.56%							Consent Decree Duration (87
M1040	Consent Decree Duration	24-Apr-13A 24-Apr-13	27-Jul-20*		64.56%							Consent Decree Duration, Co
M1040 M1050	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Api-13 A 24-Api-13	27-Jul-20*		04.30%							
roject Procurement		12-Dec-12 A 12-Dec-12		18-Apr-13	100%							Project Procurement
M1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and	12-Dec-12 A 12-Dec-12			100%							CD Prequalification Procurement (F)
M1100	Issuance of RFP Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A	01-Mar 12	100%							Consultant develops and Submit
M1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13			100%							PMO Reviews/ Negotiates and A
M1110 M1120	PMO Reviews/ Negotiates and Approve Proposal / Agreement PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13			100%							PMO Approved Agreement to C
DM1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13			100%							Consultant Signed Agreement
lanning Phase		03-Jun-13A 03-Jun-13	· ·	•	100%							Planning Phase
0M1000	Planning Phase	03-Jun-13 A 03-Jun-13			100%							Planning Phase
M1060	SRF Facility Plan Approval	24-Oct-13 A 24-Oct-13			100%							SRIF Facility Plan A
ngineering Phase		13-Feb-15 A 13-Feb-15	· ·	•	100%							
M1010	Engineering	13-Feb-15 A 13-Feb-15	16-Nov-16 A	16-Nov-16	100%							
DM1020	SRF Approval of Contract Documents	08-Nov-16 A 08-Nov-16			100%							
onstruction Bidding Ph		08-Nov-16 A 08-Nov-16			100%							
OM1070	Construction Bidding Phase	08-Nov-16 A 08-Nov-16			100%							
DM1075	SRF Administration Period	16-Mar-17 A 16-Mar-17			100%							
onstruction Phase		30-May-17 A 30-May-17			61.31%							
M1080	Construction Phase	30-May-17 A 30-May-17			61.31%							
PA and TDEC Approvals		18-Mar-18	18-Mar-18		01.31%							
DM1030	Notification of Completion to EPA, TDEC, TCWN Rehab - South Chick Creek 16	18-Mar-18 25-Mar-11 A 25-Mar-11	18-Mar-18 27-Jul-20		0% 67.37%			For	used SSF	S and Reh	ab - Soruth	Chick Creek 16
							(1) (1) (1) (1)	1.01		- 411011011		

TATANO SEAL

Critical Remaining W... Actual Level of Effort 🔶 Baseline Milestone

Summary

Actual Work

Remaining Work

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

DATA DATE: 12/31/2017
 Color
 <th Cost proposal posal / Agre bproval *xecution* ring Phas Approval of Contract Docume Construction Bidding Phase Construction Bidding Phase RFAdminstration Period nstruction Phase struction Phase. Construction Phase EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN e Duration ent and Issuance of RFP 13) Priority II - Deve Cost proposal oposal / Agreer pproval xecution ineerina ! al of Co ct Docum truction Bidding Phase n Biḋdin ng Phase SRF Adminstration Period onstruction Phase Construction Phase,;Construction Phase EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN e Duration 13) Priority II - Development and Issuance of RFP Cost proposal obosal / Agree pproval xecution aineerina val of Con ruction Bidding Phase ruction Bidding Phase RF Administration Period Phase Phase, Construction Phase EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN

Page 5 of 24



EMBER 2017 UPD	DATE				DATA DATE: 12
	Activity Name	Start Actual Start	Finish Actual Finish	Duration % 009 Complete	2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 Q1 Q2 Q3 Q4 Q1 Q2 </th
onsent Decree Duration	n (87 Months)	24-Apr-13 A 24-Apr-13	27-Jul-20	64.56%	Consent Decrée Duration (87 Months)
N1040	Consent Decree Duration	24-Apr-13 A 24-Apr-13	27-Jul-20*	64.56%	Consent Decree Duration, Consent Decree Duration
N1050	Consent Decree Duration Completion Milestone		27-Jul-20*	0%	Project Programmant
oject Procurement	Der instructure d'Orange i Der en Der instr		07-Sep-12 A 07-Sep-12	100%	Project Procurement Previously Procured Consent Decree Projects
N1090	Previously Procured Consent Decree Projects	· · · ·	07-Sep-12 A 07-Sep-12 30-May-13 A 30-May-13	100% 100%	Planning Phase
anning Phase	Planning Phase		30-May-13 A 30-May-13	100%	Planning Phase
N1060	SRF Facility Plan Approval	07-Sep-12 A 07-Sep-12		100%	SRE Facility Plan Approval
gineering Phase		27-Mar-12 A 27-Mar-12	06-Aug-13 A 06-Aug-13	100%	Engineering Phase
1010	Engineering	27-Mar-12 A 27-Mar-12		100%	
1020	SRF Approval of Contract Documents		06-Aug-13 A 06-Aug-13	100%	SRF Approval of Contract Documents Construction Bidding Phase
nstruction Bidding Ph 1070		07-Aug-13 A 07-Aug-13		100% 100%	Construction Bidding Phase
1075	Construction Bidding Phase SRF Adminstration Period	18-Dec-13 A 18-Dec-13	17-Dec-13 A 17-Dec-13 02-Mar-14 A 02-Mar-14	100%	SRE Administratión Period
struction Phase		03-Mar-14 A 03-Mar-14		100%	Construction Phase
1080	Construction Phase	03-Mar-14 A 03-Mar-14		100%	Construction Phase
A and TDEC Approval	s	30-Nov-15 A 30-Nov-15	15-Dec-15 A 15-Dec-15	100%	PA and TDEC Approvals
1030	Notification of Completion to EPA, TDEC, TCWN		15-Dec-15 A 15-Dec-15	100%	Notification of Completion to EPA, TDEC, TCWN
22 - Early Action	n Capital Improvement Projects	01-Apr-09 A 01-Apr-09	09-May-20	69.88% 122 -	ction Capital Improvement Projects
Pont PS and Bas	sin Improvements - Phase 2	24-Apr-13 A 24-Apr-13	09-May-20	<u>66.56%</u>	DuPont PS and Basin Improvements - Phase 2
sent Decree Duration	•	24-Apr-13 A 24-Apr-13	24-Apr-18	93.71%	Consent Decree Duration (60 Months)
1040	Consent Decree Duration	24-Apr-13 A 24-Apr-13		93.71%	Consent Decree Duration, Consent Decree Duration
1050	Consent Decree Duration Completion Milestone		24-Apr-18*	0%	
ject Procurement		25-Apr-15 A 25-Apr-15	23-Jun-15 A 23-Jun-15	100%	Project Procurement
1090	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	25-Apr-15 A 25-Apr-15	01-May-15 A 01-May-15	100%	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP
1100	Consultant develops and Submit Scope and Cost proposal	02-May-15 A 02-May-15	09-May-15 A 09-May-15	100%	Consultant develops and Submit Scope and Cost proposal
1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement		16-May-15 A 16-May-15	100%	PMO Reviews/ Negotiates and Approve Proposal /;Agrepment
1120	PMO Approved Agreement to Council for Approval	17-May-15 A 17-May-15		100%	PMO Approved Agreement to Council for Approval
1130	Consultant Signed Agreement to City for Execution	09-Jun-15 A 09-Jun-15		100%	Consultant Signed Agreement to City for Execution
nning Phase		18-Dec-17 A 18-Dec-17		11.93%	
1000	Planning Phase	18-Dec-17 A 18-Dec-17	· ·	11.93%	Planning Phase, Planhing Phase <u>Engineering P</u> hase
gineering Phase	Faciatoria	06-Apr-18 06-Apr-18	13-Nov-18	0%	Engineerähg
1010	Engineering SRF Approval of Contract Documents	11-Oct-18	10-Oct-18 13-Nov-18	0%	SRF Approval of Contra
nstruction Bidding Ph		11-Oct-18	18-Jan-19	0%	Construction Bidding Pl
1070	Construction Bidding Phase	11-Oct-18	06-Dec-18	0%	Construction Bidding Pl
1075	SRFAdministration Period	07-Dec-18	18-Jan-19	0%	
nstruction Phase		19-Jan-19	08-May-20	0%	Construction Pha
1080	Construction Phase	19-Jan-19 09-May-20	08-May-20 09-May-20	0%	Construction Pha
A and TDEC Approval 1030	Notification of Completion to EPA, TDEC, TCWN	09-May-20	09-May-20	0%	
	er Volume Reduction Projects	01-Apr-09A 01-Apr-09		0,0	
		12-Dec-12 A 12-Dec-12		94.41%	DuPont PS and Basin Improvements - Phase 1
	sin Improvements - Phase 1				
sent Decree Duration		24-Apr-13A 24-Apr-13		93.71%	Consent Decrée Duration (60 Months)
1040	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Apr-13 A 24-Apr-13	24-Apr-18 24-Apr-18*	93.71% 0%	Consent Decree Duration, Consent/Decree Duration
ject Procurement		12-Dec-12 A 12-Dec-12	· ·	100%	Project Procurement Consent Decree Duration Comple
1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and	12-Dec-12A 12-Dec-12		100%	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP
	Issuance of RFP				
1100 1110	Consultant develops and Submit Scope and Cost proposal PMO Reviews/ Negotiates and Approve Proposal / Agreement	16-Feb-13 A 16-Feb-13 02-Mar-13 A 02-Mar-13		100%	Consultant develops and Submit Scope and Cost proposal PMO Reviews/ Negotiates and Approve Proposal / Agreement
1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement PMO Approved Agreement to Council for Approval	16-Mar-13 A 02-Mar-13		100% 100%	PMO Approved Agreement to Council for Approval
1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13		100%	Consultant Signed Agreement to City for Execution
nning Phase		10-Feb-13 A 10-Feb-13	16-Mar-15 A 16-Mar-15	100%	Planning Phase
000	Planning Phase	10-Feb-13 A 10-Feb-13		100%	Planning Phase
060	SRF Facility Plan Approval	02-Jan-15 A 02-Jan-15		100%	SRF Facility Plan Approvat Engineering Phase
ineering Phase	Engineering		02-Dec-15 A 02-Dec-15 23-Aug-15 A 23-Aug-15	100%	
020	Engineering SRF Approval of Contract Documents	24-Aug-15 A 24-Aug-15		100% 100%	SRFApproval of Contract Documents
struction Bidding Ph		03-Dec-15 A 03-Dec-15		100%	Construction Bidding Phase
1070	Construction Bidding Phase	03-Dec-15 A 03-Dec-15	15-Mar-16 A 15-Mar-16	100%	Construction Bidding Phase
1140	SRF Adminstration Period	16-Mar-16 A 16-Mar-16	· · ·	100%	SRF Administration Period
nstruction Phase	Or a fraction Disease	15-Apr-16 A 15-Apr-16		91.94%	Construction Phase
1080	Construction Phase	15-Apr-16 A 15-Apr-16 01-Feb-18	31-Jan-18 01-Feb-18	91.94%	Construction Phase PA and TDEC Approvals
A and TDEC Approval	5	01-1-60-10		070	
SEAL	Summary Critical Remaining W Actual Level of Effort Actual Work	(CHATTANO		SENT DECREE PROGRAM - PHASE I DF CHATTANOOGA, TN RESOURCES DIVISION

C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U DECEMBER 2017 UPDATE

	Activity Name	Start	Actual Start	Finish Ad	ctual Finish	Duration % Complete	2010			2012 Q1 Q2 Q3	04 01 0	2013	2014
AN1030	Notification of Completion to EPA, TDEC, TCWN	01-Feb-18		01-Feb-18		0%	42 43		40 44				
ollegedale PS Imp	provements	18-Oct-12 A	18-Oct-12	24-Apr-18		94.29%					Collegedale	PS Improve	ments
Consent Decree Duration	n (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18		93.71%							ee Duration (60
AC1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18*		93.71%					C	onsent Decr	ee Duration, Co
AC1050	Consent Decree Duration Completion Milestone			24-Apr-18*		0%							
roject Procurement				22-Jan-13 A 22		100%					Project Proc		
C1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A 01	1-Dec-12	100%						fication Proc	urement (FY 20
C1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A 11	1-Dec-12	100%					Consultar	it develops a	and Submit Sco
C1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement			21-Dec-12 A 2		100%							iates and Appro
01120	PMO Approved Agreement to Council for Approval			08-Jan-13 A 08		100%					PMO Ap	proved Agre	ement to Counc
1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A 22	2-Jan-13	100%						-	greement to Ci
Inning Phase		10-Feb-13 A	10-Feb-13	16-Mar-15 A 16	6-Mar-15	100%						ing Phase	
:1000	Planning Phase	10-Feb-13 A	10-Feb-13	16-Mar-15 A 16	6-Mar-15	100%					Plann	ing Phase	
1060	SRF Facility Plan Approval			16-Mar-15 A 16		100%						SR	F Facility Plan A
gineering Phase		02-Apr-14 A	02-Apr-14	30-Nov-16 A 30	0-Nov-16	100%							Engineer
:1010	Engineering	•	•	30-Nov-16 A 30		100%							Engineer
A and TDEC Approvals		30-Nov-16 A	30-Nov-16	30-Nov-16 A 30	0-Nov-16	0%							
:1030	Notification of Completion to EPA, TDEC, TCWN			30-Nov-16 A 30	0-Nov-16	100%							
st Brainerd Colle	ction Sys. and PS Rehab	26-Mar-11 A	26-Mar-11	24-Apr-18		94.41%		Fast	prainerd C	ollection Sys. an			
nsent Decree Duration	n (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18		93.71%							ee Duration (60
1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18*		93.71%						onsent Decr	ee Duration, Co
(1050	Consent Decree Duration Completion Milestone			24-Apr-18*		0%							
ject Procurement		07-Sep-12 A	07-Sep-12	07-Sep-12 A 07	7-Sep-12	0%				🔻	oject Procur	1.1.1.1	
(1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A 07	7-Sep-12	100%				P	eviously Pro	cured Conse	ent Decree Proj
nning Phase		26-Mar-11 A	26-Mar-11	30-May-13 A 30	0-May-13	100%			ning Phase			•	
(1000	Planning Phase	26-Mar-11 A	26-Mar-11	30-May-13 A 30	0-May-13	100%		Plan	ning Phase				
(1060	SRF Facility Plan Approval	07-Sep-12 A	07-Sep-12	26-Mar-13 A 26	6-Mar-13	100%					RF Facility Pl		
Ilection System		07-Sep-12 A	07-Sep-12	06-Aug-13 A 06	6-Aug-13	100%				🕶	ollection Sys		
1015	Engineering - Collection System			29-Mar-13 A 29		100%				E	gineering -		
(1100	SRF Approval of Contract Documents - Collction System			06-Aug-13 A 06	-	100%				D. O.		E Approval c	of Contract Doci
mp Station		10-Jan-12 A	10-Jan-12	29-Jan-15 A 29	9-Jan-15	100%				Pump Station			
(1010	Engineering - Pump Station			01-Aug-14 A 01	-	100%				Engineering - P	ump Station		
(1020	SRF Approval of Contract Documents - Pump Station	-		29-Jan-15 A 29		100%						Collocti	on <u>S</u> ystem
llection System				02-Mar-14 A 02		100%							
(1075	Construction Bidding Phase - Collection System		-	17-Dec-13 A 17		100%						Constru	ction Bidding P
2020	SRF Adminstration Period - Collection System			02-Mar-14 A 02		100% 100%						1	
mp Station	Occupier Diddler Diseas Dura Otalian			06-Aug-15 A 06									
(1070 (2000	Construction Bidding Phase - Pump Station SRF Adminstration Period - Pump Station			29-May-15 A 29 06-Aug-15 A 06		100% 100%							
llection System	orr Administration renod - rump otation	-		15-Dec-15 A 1	-	100%							Collection
2030	Construction Phase - Collection System			15-Dec-15 A 15		100%							Constructio
mp Station			07-Aug-15		0 000 10	84.67%							
(1080	Construction Phase - Pump Station		07-Aug-15			84.67%							
A and TDEC Approvals		29-Mar-18	5	29-Mar-18		0%							
1030	Notification of Completion to EPA, TDEC, TCWN	29-Mar-18		29-Mar-18		0%							
	sin and PS Improvements			24-Apr-16 A 24	4-Apr-16	100%		Altamont S	Sewer Basi	and PS Improv	ements		
												onsent Door	ee Duration (36
nsent Decree Duration				24-Apr-16 A 24		100%						onsent Decr	
1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A 24		100%						Unsent Decr	
1050	Consent Decree Duration Completion Milestone	21-Dec 10 A	21-Dec 10	24-Apr-16 A 24 21-Feb-11 A 21	•	100% 100%		Project Pro	ocurement				
pject Procurement	Provinuely Progrand Concent Degree Projects							Previously	Procured	Consent Decree	Projects		
1090	Previously Procured Consent Decree Projects			21-Feb-11 A 21 01-Oct-11 A 01		100% 100%		Planni	ng Phase				
nning Phase	Planning Phone								ng Phase				
1000	Planning Phase SRF Facility Plan Approval			31-Aug-11 A 31 01-Oct-11 A 01	-	100% 100%				cility Plan Appro	val		
gineering Phase		· ·	•	07-Sep-12A 07		100%			· •	ering Phase			
1010	Engineering - Pump Station			07-Sep-12 A 07		100%				ering - Pump St	ition		
1020	SRF Approval of Contract Documents	· ·		07-Sep-12A 07		100%				Ŭ I	RFApproval	of Contract D	ocuments
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CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I CITY OF CHATTANOOGA, TN WASTE RESOURCES DIVISION Page 7 of 24 DATA DATE: 12/31/2017

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Page 9 of 24 DATA DATE: 12/31/2017

Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % 0	009		2010			2011		20)12		2013		201	4	
						Complete	Q3	Q4 Q1		Q4	Q1 0		Q4 Q1			4 Q1	Q2 Q3	Q4 Q1			Q1
Construction Phase		19-Mar-16 A	19-Mar-16	31-Mar-18		80.22%									<u> </u>	-					
AG1080	Construction Phase	19-Mar-16 A	19-Mar-16	31-Mar-18		80.22%															
EPA and TDEC Approval		01-Apr-18		01-Apr-18		0%															
AG1030	Notification of Completion to EPA, TDEC, TCWN	01-Apr-18		01-Apr-18		0%															
Friars Branch PS In	•	12-Dec-12 A	12-Dec-12	17-Jul-18		90.31%										Friars	Branch PS	Improve	ments		
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AF1010	Engineering	25-Mar-14 A	25-Mar-14	29-Oct-15 A	29-Oct-15	100%													Engine	ering	
AF1020	SRF Approval of Contract Documents			27-Jan-16 A		100%															
Construction Bidding Ph				08-Dec-16 A	-	100%									(
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Construction Phase		09-Dec-16 A		1		58.66%															
AF1080	Construction Phase	09-Dec-16 A				58.66%															
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AF1030	Notification of Completion to EPA, TDEC, TCWN	17-Jul-18		17-Jul-18		0%															
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Critical Remaining W... Actual Level of Effort 🔶 Baseline Milestone

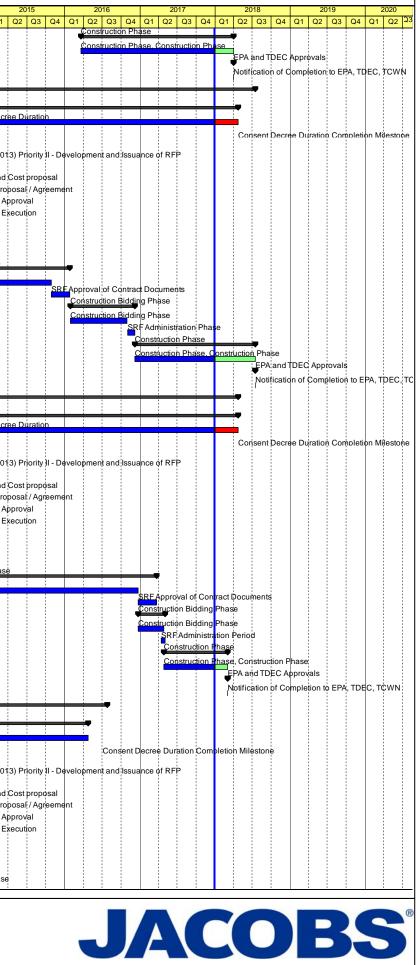
Summary

Actual Work

Remaining Work

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

Page 10 of 24 DATA DATE: 12/31/2017



onstruction Bidding Phase B1070 Construct B1140 SRF Adm onstruction Phase B1080 Construct B1080 Construct PA and TDEC Approvals B1030 Notificati annery Flats Interceptor R Consent Decree Duration (36 Mont A1040 Consent A1050 Consent roject Procurement CD Preq A1100 Consulta A1110 PMO Ref A1120 Consulta A1130 Consulta Ianning Phase A1000 A1000 SRF Fac ngineering Phase A1010 A1020 SRF App Onstruction Bidding Phase A1070 A1140 SRF App Onstruction Bidding Phase A1070 A1140 SRF App Onstruction Phase Construction SRF App A1080 Construction Phase	pproval of Contract Documents uction Bidding Phase dminstration Period uction Phase ation of Completion to EPA, TDEC, TCWN Rehab	20-May-15 A 20-May-15 A 14-Jul-15 A 14-Jul-15 A 14-Jul-15 A 14-Jul-15 A 27-Jul-16 A 27-Jul-16 A 27-Jul-16 A 27-Jul-16 A 12-Dec-12 A 12-Dec-12 A 24-Apr-13 A 24-Apr-13 A 24-Apr-13 A 24-Apr-13 A	30-Jan-15 A 30-Jan-15 11-Jun-15 A 11-Jun-15 19-May-15 A 19-May-15 11-Jun-15 A 11-Jun-15 27-Jul-16 A 27-Jul-16 24-Apr-16 A 24-Apr-16 24-Apr-16 A 24-Apr-16	100% 100% 100% 100% 100% 100% 0% 100% 100%		
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Page 11 of 24 DATA DATE: 12/31/2017

C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U

Number Table Notes State Notes	DEC17-UPDAT / R 2017 UPDATE	/ C6A02300 - ACTIVITY CODES 11x17 REPORT	Ū		Page / DATA DATE: 12/3
	Activity	vity Name	Start Actual Start Finish Actual Finish		2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 21 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04 01 02 03 04
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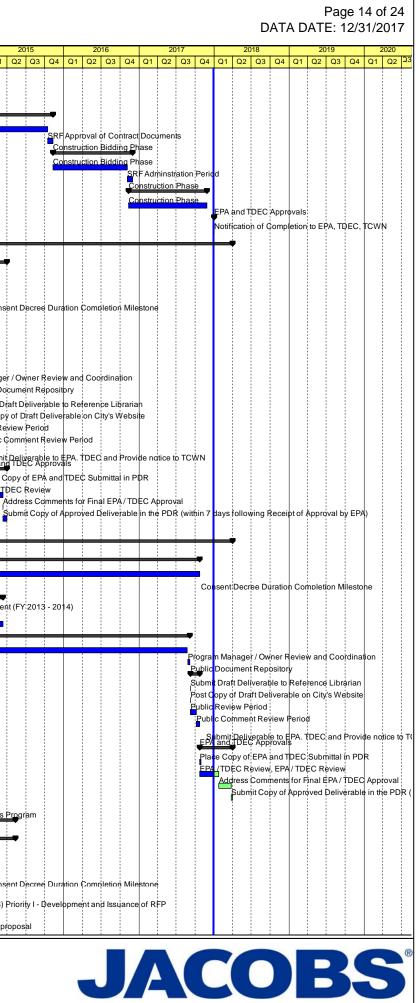
Page 13 of 24 DATA DATE: 12/31/2017

	Activity Name	Start	Actual Start	Finish Actual Finis	h Duration % Complete	009	2010		2011	2012	2013		2014
Newsian Dhees		27 Mor 12 A	27 Mor 12	11-Jul-13 A 11-Jul-13	100%	Q3 Q4	Q1 Q2 Q3 C	4 Q1 Q	2 Q3 Q4	Q1 Q2 Q3	Q4 Q1 Q2 Q3 Planning		Q2 Q3 Q
Planning Phase AC1150											Planning		
50 10	Planning Phase SRF Facility Plan Approval			10-Jun-13 A 10-Jun-13 11-Jul-13 A 11-Jul-13	100%							Facility Plan A	Approval
eering Phase				10-Nov-15 A 10-Nov-15								nineering Pha	
	Engineering	12-Jul-13 A		16-Oct-15 A 16-Oct-15	100%						En	gineering	
)	SRF Approval of Contract Documents			10-Nov-15 A 10-Nov-15									
ruction Bidding Pha	se	10-Nov-15 A	10-Nov-15	01-Dec-16 A 01-Dec-16	i 100%								
220	Construction Bidding Phase	10-Nov-15 A	10-Nov-15	07-Nov-16 A 07-Nov-16	i 100%								
290	SRF Adminstration Period	07-Nov-16 A	07-Nov-16	01-Dec-16 A 01-Dec-16	100%								
nstruction Phase		13-Nov-16 A	13-Nov-16	28-Nov-17 A 28-Nov-17	100%								
1230	Construction Phase	13-Nov-16 A	13-Nov-16	28-Nov-17 A 28-Nov-17	100%								
PA and TDEC Approvals		31-Dec-17		31-Dec-17	0%								
C1180	Notification of Completion to EPA, TDEC, TCWN	31-Dec-17		31-Dec-17	0%								
a 24 - Long Term (Control Plan Updates	15-Jul-12 A	15-Jul-12	31-Mar-18	95.93%					Para	24 - Long Term Co	ntrol Plan Upd	lates
CP-Post Const. Co	ompliance Monitoring Program	15-Jul-12 A	15-Jul-12	31-Mar-15 A 31-Mar-15	100%					LTC	P-Post Const. Com	liance Monitor	ring Program
		24 Apr 12 A	24 Apr 12	24-Nov-14 A 24-Nov-14	100%						Conser	t Decree Dura	ation (19 Mc
onsent Decree Duration												t Decree Dura	
D1220 D1230	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14 24-Nov-14 A 24-Nov-14							Conser		
oject Procurement		15-Jul-12 A	15-Jul-12	01-Jul-13 A 01-Jul-13	100%					Proi	ect Procurement		
Difect Procurement	Program Manager (PM) Procurement (FY 2012 - 2013)	15-Jul-12 A		15-Jul-12 A 15-Jul-12	100%						ram Manager (PM)	Procurement ((FY 2012 - 1
01240	Administration Phase	15-Jul-12 A		01-Jul-13 A 01-Jul-13	100%					1 1 2	inistration Phase		
anning Phase		02-Jul-13 A		12-Oct-14 A 12-Oct-14	100%						Pla	nhing Phase	
D1120	Planning Phase	02-Jul-13 A	02-Jul-13	31-May-14 A 31-May-14	100%						Pla	nning Phase	
01400	Program Manager / Owner Review and Coordination			12-Oct-14 A 12-Oct-14	100%								Program N
ublic Document Reposite		13-Oct-14 A	13-Oct-14	18-Nov-14 A 18-Nov-14									Pu
D1130	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A	13-Oct-14	13-Oct-14 A 13-Oct-14	100%								Su
O1140	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	13-Oct-14 A 13-Oct-14	100%								Pc
O1150	Public Review Period	13-Oct-14 A	13-Oct-14	17-Nov-14 A 17-Nov-14									Pu
O1160	Public Comment Review Period	17-Nov-14 A	17-Nov-14	18-Nov-14 A 18-Nov-14									7
O1170	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	10 11-11 1 1	10 10 14	18-Nov-14 A 18-Nov-14									
PA and TDEC Approvals				31-Mar-15 A 31-Mar-15									
001180	Place Copy of EPA and TDEC Submittal in PDR EPA /TDEC Review			24-Nov-14 A 24-Nov-14									
O1190 O1200	Address Comments for Final EPA / TDEC Approval			12-Mar-15 A 12-Mar-15 12-Mar-15 A 12-Mar-15									
01210	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)			31-Mar-15 A 31-Mar-15									
TCP-Additional Ope	erational Plan	13-Mar-13 A	13-Mar-13	31-Mar-18	95.34%						LTCP-Add	itional Operati	ional Plan
onsent Decree Duration		24-Apr-13 A	24-Apr-13	24-Oct-17 A 24-Oct-17	100%						Conser	t Decree Dura	ation (48 Mo
DO1360	Consent Decree Duration			24-Oct-17 A 24-Oct-17	100%							t Decree Dura	
01370	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Api-13A	24-Api-13	24-Oct-17 A 24-Oct-17	100%								
roject Procurement		15-Jul-13 A	15-Jul-13	12-Mar-15 A 12-Mar-15							Pr	ject Procurem	nent
01250	Program Manager (PM) Procurement (FY 2013 - 2014)	15-Jul-13 A	15-Jul-13	15-Jul-13 A 15-Jul-13	100%						Pr	gram Manage	er (PM) Proc
01380	Administration Phase	15-Jul-13 A	15-Jul-13	12-Mar-15 A 12-Mar-15	100%						Ad	ministration Pr	hase
lanning Phase		13-Mar-13 A	13-Mar-13	07-Sep-17 A 07-Sep-17	100%							Phase	
DO1260	Planning Phase	13-Mar-13 A	13-Mar-13	25-Aug-17 A 25-Aug-17	100%						Planning	Phase	
OO1390	Program Manager / Owner Review and Coordination	-	-	07-Sep-17 A 07-Sep-17									
ublic Document Reposite	bry	08-Sep-17 A	08-Sep-17	24-Oct-17 A 24-Oct-17	100%								
O1270	Submit Draft Deliverable to Reference Librarian		•	08-Sep-17 A 08-Sep-17									
01280	Post Copy of Draft Deliverable on City's Website		•	08-Sep-17 A 08-Sep-17									
O1290	Public Review Period			08-Oct-17 A 08-Oct-17	100%								
01300	Public Comment Review Period	09-Oct-17 A	09-Oct-17	24-Oct-17 A 24-Oct-17	100%								
O1310	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	25-Oct 17 A	25-Oct 17	24-Oct-17 A 24-Oct-17 31-Mar-18	100%								
PA and TDEC Approvals	Disco Convert EDA and TDEC Culturities in DDD	25-Oct-17 A			40.13%								
O1320 O1330	Place Copy of EPA and TDEC Submittal in PDR EPA / TDEC Review	25-Oct-17 A 25-Oct-17 A		31-Oct-17 A 31-Oct-17 23-Jan-18	100%								
01330	Address Comments for Final EPA / TDEC Approval	25-0cl-17 A 24-Jan-18	20-00-17	23-Jan-18 24-Mar-18	0%								
001350	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	25-Mar-18		31-Mar-18	0%								
	Approval by EPA)		10.0 - 10								Para 25 - Moccasi	Bend	P Process C
	end WWTP Process Controls Program	18-Oct-12 A		13-May-15 A 13-May-1							MBWWTP Proces		
BWWTP Process C	Controls Program			13-May-15 A 13-May-1								1	
onsent Decree Duration	(19 Months)	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14	100%							t Decree Dura	
P1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14	100%						Conser	t Decree Dura	ation
P1120	Consent Decree Duration Completion Milestone			24-Nov-14 A 24-Nov-14									
roject Procurement		18-Oct-12 A	18-Oct-12	08-Dec-12 A 08-Dec-12	100%						Project Procureme		
P1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and	18-Oct-12 A	18-Oct-12	18-Oct-12 A 18-Oct-12	100%						CD Prequalificatio	n Procuremen	it (FY 2012 -
P1130	Issuance of RFP	40.0 + 40.1	10.0 + 10	07.0-1404	105-1						Consultant develo	and Submit	it Scong dag
	Consultant develops and Submit Scope and Cost proposal	18-Oct-12 A	18-Oct-12	27-Oct-12 A 27-Oct-12	100%		1 1 1	1 1	1 1 I	1 1	Junpunanii uevelo	anu oudrill	r owne aug

Actual Level of Effort
Actual Work

Remaining Work

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



ctivity ID	Activity Name	Start	Actual Start Finish Actual Finish	Duration 9		2020
				Complet		4 Q1 Q2 23
OP1140 OP1150	PMO Reviews/ Negotiates and Approve Proposal / Agreement		A 28-Oct-12 06-Nov-12 A 06-Nov-12	100%		
OP1150 OP1160	PMO Approved Agreement to Council for Approval Consultant Signed Agreement to City for Execution		A 07-Nov-12 24-Nov-12 A 24-Nov-12 A 25-Nov-12 08-Dec-12 A 08-Dec-12	100%		
Planning Phase	Consultant Signed Agreement to City for Execution		A 29-Apr-13 12-Oct-14 A 12-Oct-14	1007		
OP1010	Planning Phase		A 29-Apr-13 03-Oct-14 A 03-Oct-14	1009		
OP1010 OP1190	Program Manager / Owner Review and Coordination		A 04-Oct-14 12-Oct-14 A 12-Oct-14	100%		
Public Document Repos			A 13-Oct-14 18-Nov-14 A 18-Nov-14	1007		
OP1020	Submit Draft Deliverable to Reference Librarian		13-Oct-14 13-Oct-14 A 13-Oct-14	1009		
OP1020	Post Copy of Draft Deliverable on City's Website		A 13-Oct-14 16-Oct-14 A 16-Oct-14	1009		
OP1040	Public Review Period		A 13-Oct-14 17-Nov-14 A 17-Nov-14	1007		
OP1050	Public Comment Review Period		A 18-Nov-14 18-Nov-14 A 18-Nov-14	100%		
OP1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN		18-Nov-14 A 18-Nov-14	100%	i i i i i i i i i i i i i i i i i i	
EPA and TDEC Approva	is	18-Nov-14 A	A 18-Nov-14 13-May-15 A 13-May-15	100%	00% Submit Deliverable to EPA. TDEC and Provide notice to TCWN EPA and TDEC Approvals	
OP1070	Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A	A 18-Nov-14 24-Nov-14 A 24-Nov-14	100%	00% Place Copy of EPA and TDE¢ Submittal in PDR	
OP1080	EPA / TDEC Review		A 19-Nov-14 12-Mar-15 A 12-Mar-15	100%		
OP1090	Address Comments for Final EPA / TDEC Approval	13-Mar-15 A	A 13-Mar-15 12-May-15 A 12-May-15	100%	00% Address Commehts for Final EPA/TDEC Approval	
OP1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	13-May-15 A	A 13-May-15 13-May-15 A 13-May-15	100%	00% Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval b	y EPA)
	Approval by EPA)	19 Oct 12 A	12 Oct 12 12 Nov 15 A 12 Nov 15	1009	Para 26 - Green Infrastructure Plan	
Para 26 - Green Infra	astructure Plan	18-Oct-12 A	18-Oct-12 13-Nov-15 A 13-Nov-15	100%		
Green Infrastructu	re Program Plan for CSS Basins	18-Oct-12 A	18-Oct-12 13-Nov-15 A 13-Nov-15	100%	00%	
		24-Apr-12 A	A 24-Apr-13 24-Apr-15 A 24-Apr-15	100%	Consent Decree Duration (24 Months)	
Consent Decree Duratio						
OQ1110 OQ1120	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Apr-13A	A 24-Apr-13 24-Apr-15 A 24-Apr-15 23-Apr-15 A 23-Apr-15	100%		
		18-Oct-12 A	A 18-Oct-12 22-Jan-13 A 22-Jan-13	100%	Consent/Decree Duration Completion Milestone	
Project Procurement	CD Pregualification Procurement (FY 2012 - 2013) Priority I - Development and		18-Oct-12 01-Dec-12 A 01-Dec-12			
OQ1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	10-001-12 A	то-остта 01-рес-та А 01-рес-12	100%		
OQ1130	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	A 02-Dec-12 11-Dec-12 A 11-Dec-12	100%		
OQ1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	A 12-Dec-12 21-Dec-12 A 21-Dec-12	100%		
OQ1150	PMO Approved Agreement to Council for Approval	22-Dec-12 A	A 22-Dec-12 08-Jan-13 A 08-Jan-13	100%		
OQ1160	Consultant Signed Agreement to City for Execution	09-Jan-13 A	A 09-Jan-13 22-Jan-13 A 22-Jan-13	100%		
Planning Phase		05-Apr-13 A	A 05-Apr-13 22-Apr-15 A 22-Apr-15	100%		
OQ1010	Planning Phase	05-Apr-13 A	05-Apr-13 05-Mar-15 A 05-Mar-15	100%		
OQ1170	Program Manager / Owner Review and Coordination	06-Mar-15 A	A 06-Mar-15 22-Apr-15 A 22-Apr-15	100%	00% Program Manager / Owner Review and Coordination	
Public Document Repos	sitory	18-Mar-15 A	A 18-Mar-15 23-Apr-15 A 23-Apr-15	100%		
OQ1020	Submit Draft Deliverable to Reference Librarian	18-Mar-15 A	A 18-Mar-15 18-Mar-15 A 18-Mar-15	100%		
OQ1030	Post Copy of Draft Deliverable on City's Website		A 18-Mar-15 18-Mar-15 A 18-Mar-15	100%		
OQ1040	Public Review Period		A 18-Mar-15 20-Apr-15 A 20-Apr-15	100%		
OQ1050	Public Comment Review Period	21-Apr-15 A	A 21-Apr-15 23-Apr-15 A 23-Apr-15	100%		
OQ1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	22 Apr- 45 A	23-Apr-15 A 23-Apr-15	100%		
Project Completion Rep			A 23-Apr-15 23-Apr-15 A 23-Apr-15 A 23-Apr-15 Apr-15 Apr-15 Apr-15 Apr-15	100%		
OQ1180	Project Completion Report		A 23-Apr-15 23-Apr-15 A 23-Apr-15	100%		
EPA and TDEC Approva			A 23-Apr-15 13-Nov-15 A 13-Nov-15	100%		
OQ1070	Place Copy of EPA and TDEC Submittal in PDR		A 23-Apr-15 28-Apr-15 A 28-Apr-15	100%		
OQ1080 OQ1090	EPA Review and Approval	· ·	A 23-Apr-15 13-Nov-15 A 13-Nov-15	100%		
OQ1090 OQ1100	TDEC Review and Approval Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of		A 23-Apr-15 13-Nov-15 A 13-Nov-15 A 13-Nov-15 13-Nov-15 A 13-Nov-15	100%		Approval by EP
OQTIO	Approval by EPA)	13-1100-137	- 13-NOV-13 13-NOV-13 A 13-NOV-13	1007		
Section VII - Civil Per	nalty	01-Jan-13 A	A 01-Jan-13 26-Apr-19	80.54%	54% Section VI) - Civil Penalty	
		04 4 - 40 4		4000	Parts 29 - Case Find	
Para 29 - Cash Fine		24-Apr-13 A	A 24-Apr-13 17-May-13 A 17-May-13	100%	00% Para 29 - Cash Fine	
Cash Fine		24-Apr-13 A	24-Apr-13 17-May-13 A 17-May-13	100%	00%	
	a Payment	24-Apr-12 A	A 24-Apr-13 17-May-13 A 17-May-13	100%	00%	
Civil Penalty - 50% Cash CF1000			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		A 24-Apr-13 17-May-13 A 17-May-13 A 01-Jan-13 26-Apr-19	100%		
Para 30 - State Proje	ect (50% of Civil Penalty)			10.037		
Highland Park GI D	Demonstration Project	01-Jan-13 A	A 01-Jan-13 26-Apr-19	78.03%	03% Highland Park GI Demonstration Project	
Consent Decree Duratio		24-Apr-13 A	A 24-Apr-13 26-Apr-19	78.03%	Consent Decree Duration	
OR1030	Consent Decree Duration			74.04%		
OR1030 OR1040	Consent Decree Duration Consent Decree Duration Completion Milestone	24-Apt-13A	A 24-Apr-13 26-Apr-19 26-Apr-19*			
OR1040 OR1090	Task 4 CD Duration	24-Oct-18*	· ·		0% 0%	cree Duration C
OR1090	Task 1 CD Duration		A 24-Apr-13 24-Oct-13 A 24-Oct-13	100%		
OR1170	Task 2 CD Duration	· ·	A 26-Apr-14 23-Oct-14 A 23-Oct-14	100%		
OR1230	Task 3 CD Duration		24-Oct-14 23-Oct-18	63.82%	82% Task 3 CD Duration Task 3 CD Duration	
Project Procurement		24-Apr-13 A	A 24-Apr-13 24-Apr-13 A 24-Apr-13	0%	0%	
OR1080	City Internal Performance	24-Apr-13 A	A 24-Apr-13 24-Apr-13 A 24-Apr-13	100%	00% City Internal Performance	
Task 1 - Planning Phase	•	01-Jan-13 A	01-Jan-13 25-Apr-14 A 25-Apr-14	100%	00%	
OR1000	Project Plan	01-Jan-13 A	A 01-Jan-13 05-Sep-13 A 05-Sep-13	100%	00% Project Plan	
OR1005	Public Document Repository		A 06-Sep-13 23-Oct-13 A 23-Oct-13	100%		
		· ·	I I			
STATISTICS .	Summary Critical Remaining W		CHATTANO	OG∆	A CONSENT DECREE PROGRAM - PHASE I	®
SY SEAL	Actual Level of Effort 🔶 🔶 Baseline Milestone					
	Actual Work				CITY OF CHATTANOOGA, TN	
	Remaining Work				WASTE RESOURCES DIVISION	
TENAL				V		



Page 15 of 24 DATA DATE: 12/31/2017

ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %	009	201		2011		2012		2013		2014
004050		04.0-140.1	24.0-140	05 45-111	05 And 14	Complete	Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2 Q3	Q4 Q1 (22 Q3 Q	4 Q1 (Q4 Q1 Q2	Q2 Q3 Q
OR1050	EPA Submittal	24-Oct-13 A	24-Oct-13 25-Apr-14	25-Apr-14 A 23-Oct-14 A	· ·	100% 100%								1		naan Task 2 - E <u>n</u> g
Task 2 - Engineering Pl		23-Api-14A	23-Api-14													
OR1010 OR1020	EPA Project Plan Approval Detailed Design	25 Apr 14 A	25 Apr 14	25-Apr-14 A 18-Sep-14 A		100% 100%									F	EPA Project
OR1020	Public Document Repository			22-Oct-14 A		100%										Pub
OR1120	EPA Submittal	· ·	23-Oct-14			100%										E
Task 3 - Construction E				24-May-17 A		100%										I
OR1060	EPA Detailed Design Approval			23-Oct-14 A		100%										
OR1180	3A - Bidding	24-Oct-14 A	24-Oct-14	24-May-17 A		100%										3/
Task 3: Construction P	hase			29-Mar-18	-	67.87%										
OR1190	3B - Construction	25-May-17 A	25-May-17	29-Mar-18		67.87%										
Task 4 - GI Design Wor	kshop	30-Mar-18	, in the second s	17-Jul-18		0%										
OR1070	Prepare and Conduct Workshop	30-Mar-18*		17-Jul-18		0%										
	emental Environmental Project		18-Oct-12	19-Aug-18		89.12%						S	ection VII	- Suppler	nental Enviro	onmental F
						00.40%							ara 21 - S	upplomor	Ital Environm	montal Proj
ara 31 - Suppleme	ental Environmental Project	18-Oct-12 A	18-Oct-12	19-Aug-18		89.12%						-	<u>aia 51-i5</u>	upplemen		
Agawela Drive Stro	eam Restoration	18-Oct-12 A	18-Oct-12	19-Aug-18		89.12%						A	gawela D	rive Strear	m Restoratio)n
		24-Apr-13 A	24 Apr 12	24-Apr-18		93.71%								Consent C	ecree Durati	tion (60 Mc
Consent Decree Durati	Consent Decree Duration (60 Months)														ecree Durati	
OS1030 OS1040	Consent Decree Duration (60 Months) Consent Decree Duration Completion Milestone	24-Apr-13 A	24-Apr-13	24-Apr-18* 24-Apr-18*		93.71%							1			
Project Procurement		18-Oct-12.4	18-Oct-12	24-Apr-18 22-Jan-13 A	22-Jan-13	100%						Р	roject Pro	curement		
OS1080	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and			01-Dec-12 A		100%									Procurement	t (FY 2012
001000	Issuance of RFP	10-00-12 A	10-00-12	UT-Dec-12 A	01-Dec-12	100%						Ĕ				
OS1090	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%							Consulta	int develor	ps and Subm	mit Scope a
OS1100	PMO Reviews/ Negotiates and Approve Proposal / Agreement			21-Dec-12 A	-	100%							FMO R(eviews/ Ne	egotiates and	d Approve
OS1110	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%									greement to	
OS1120	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%									ed Agreemer	nt to City fc
Planning Phase		24-Jan-13 A	24-Jan-13	16-Oct-13 A	16-Oct-13	100%							Plan	ning Phase)	
OS1000	Planning Phase	24-Jan-13 A	24-Jan-13	16-Oct-13 A	16-Oct-13	100%							Planr	ning Phase	2	
Engineering Phase		18-Oct-13 A	18-Oct-13	24-Feb-16 A	24-Feb-16	100%									Engineering	1 Phase
OS1010	Engineering	18-Oct-13 A	18-Oct-13	24-Feb-16 A	24-Feb-16	100%								- I	Engineering	<u>, </u>
Construction Bidding F	Phase	25-Feb-16 A	25-Feb-16	26-Jun-16 A	26-Jun-16	100%										
OS1060	Construction Bidding Phase	25-Feb-16 A	25-Feb-16	26-Jun-16 A	26-Jun-16	100%										
Construction Phase		27-Jun-16 A	27-Jun-16	14-Apr-18		63.41%										
OS1070	Construction Phase	27-Jun-16 A	27-Jun-16	14-Apr-18		63.41%										
Project Completion Re	port	15-Apr-18		13-Jun-18		0%										
OS1170	SEP Completion Report	15-Apr-18		13-Jun-18		0%										
EPA and TDEC Approv		14-Jun-18		19-Aug-18		0%										
OS1130	Place Copy of EPA and TDEC Submittal in PDR	14-Jun-18		20-Jun-18		0%										
OS1140	EPA Review and Approval	14-Jun-18		12-Aug-18		0%										
OS1150	TDEC Review and Approval	14-Jun-18		12-Aug-18		0%										
OS1160	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	13-Aug-18		19-Aug-18		0%										
	Approval by EPA)	24 Apr 42 A	24 Apr 42	27-Feb-21		E0 70%								Section IX	- Reporting I	Réquirém
ection IX - Reporti						59.73%										
ara 38 - Quarterly	Reports	24-Apr-13 A	24-Apr-13	31-Jul-20		64.48%							- I		Quarterly Rep	ports
Quarterly Reports		24-Apr-13 A	24-Apr-13	31-Jul-20		64.48%							-	Quarterly F	teports	_
Quarterly Report - 2013	3	24-Apr-13 A	24-Apr-13	10-Feb-14 A	10-Feb-14	100%								Quarterly I	Report - 2013	3
CR1000	Quarterly Report Period 1			30-Sep-13 A		100%								Quarterly I	Report Period	od 1
CR1010	Develop Quarterly Report			29-Oct-13 A		100%									evelop Quai	
CR1020	Submit Deliverable to EPA and TDEC	30-Oct-13 A	· ·	30-Oct-13 A		100%									Submit Deliv	liverable to
CR1030	Place Copy of EPA and TDEC Submittal in PDR			30-Oct-13 A		100%									Place Copy	
CR1040	Quarterly Report Period 2	30-Sep-13 A	30-Sep-13	31-Dec-13 A	31-Dec-13	100%								<mark>د</mark>	Quarterly Rep	
CR1050	Develop Quarterly Report			29-Jan-14 A		100%								- I - F		p Quarterly
CR1060	Submit Deliverable to EPA and TDEC			30-Jan-14 A		100%										nit Deliveral
CR1070	Place Copy of EPA and TDEC Submittal in PDR			10-Feb-14 A	1	100%										e Copy of E
Quarterly Report - 2014			1	26-Jan-15 A		100%										rly Report -
CR1080	Quarterly Report Period 3			31-Mar-14 A		100%										rly Report I
CR1090	Develop Quarterly Report	01-Apr-14 A		28-Apr-14 A		100%										evelop Qua
CR1100	Submit Deliverable to EPA and TDEC	29-Apr-14 A		29-Apr-14 A		100%										Submit Del Place Copy
CR1110	Place Copy of EPA and TDEC Submittal in PDR	· ·	29-Apr-14	29-Apr-14 A	· ·	100%										Place Copy uarterly Re
CR1120	Quarterly Report Period 4	· ·	01-Apr-14	30-Jun-14 A		100%										Develo
CR1130 CR1140	Develop Quarterly Report Submit Deliverable to EPA and TDEC	30-Jun-14 A 29-Jul-14 A		28-Jul-14 A 29-Jul-14 A		100% 100%										Subm
CR1140 CR1150	Place Copy of EPA and TDEC Submittal in PDR	29-Jul-14 A 29-Jul-14 A		29-Jul-14 A 29-Jul-14 A		100%										Place
CR1160	Quarterly Report Period 5	01-Jul-14 A		30-Sep-14 A		100%										Quarter
CR1170	Develop Quarterly Report		30-Sep-14		-	100%										De
CR1180	Submit Deliverable to EPA and TDEC	29-Oct-14 A		29-Oct-14 A		100%										
	Place Copy of EPA and TDEC Submittal in PDR						1 1	1 1 1	1	1 1	1 I I	1 1	1 1	1.1.1	1 1	



Actual Level of Effort 🔶

Baseline Milestone

Actual Work

Remaining Work

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

Page 16 of 24 DATA DATE: 12/31/2017 Q2 Q3 Q4 Q1 Q2 Q3 ng Phase Abbroval cumen't Reposito mittal onstruction Bid PA Detailed Design Abproval Task 3: Co n Phase structior 3B - Construction, 3B - Construction Task 4 - Gl Design Workshop Prepare and Conduct Workshop nsent Decree Duration (60 Months) Con ment and Issuance of RFP Priority I - De t proposal al / Agreement val ution Construction Bidding Phase Construction Bidding Phase onstruction Phase onstruction Phase, Construction Phase Project Completion Report SEP Completion Report EPA and TDEC Approvals Place Copy of EPA and TDEC Submittal in PD EPA Review and Approval Submit Copy of Approved Deliverable in the d TDEC C Submittal in PDR PA and TDEC d TDEC Submittal in PDR éport e to EPA and TDEC and TDEC Submittal in PDR eriod 4 terly Report erable to EPA and TDEC of EPA and TDEC Submittal in PDR ort Period 5 Quarterly Report Deliverable to EPA and TDEC Copy of EPA and TDEC Submittal in PDR JACOBS

	Activity Name	Start Actual Start Fi	hish Actual Finish	Operation	2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 4 Q1 Q2 Q3 Q4 Q1
R1200	Quarterly Report Period 6	01-Oct-14 A 01-Oct-14 31-Det	c-14 A 31-Dec-14	100%	Outral Outra Outra Outra
CR1210	Develop Quarterly Report	31-Dec-14 A 31-Dec-14 26-Ja		100%	Develop Quarterly Report
CR1220	Submit Deliverable to EPA and TDEC	26-Jan-15 A 26-Jan-15 26-Ja		100%	Submit Deliverable to EPA and TDEC
CR1230	Place Copy of EPA and TDEC Submittal in PDR	26-Jan-15 A 26-Jan-15 26-Ja		100%	Place Copy of EPA and TDEC: Submittal in PDR
Quarterly Report - 2015		01-Jan-15 A 01-Jan-15 31-Ja	n-16 A 31-Jan-16	100%	Quarterty Report - 2015
CR1240	Quarterly Report Period 7	01-Jan-15 A 01-Jan-15 31-M	ar-15 A 31-Mar-15	100%	Quarterly Report Period 7
CR1250	Develop Quarterly Report 7	01-Apr-15 A 01-Apr-15 27-Ap		100%	
CR1260	Submit Deliverable to EPA and TDEC	29-Apr-15 A 29-Apr-15 29-Ap	· ·	100%	Submit Deliverable to EFA and TDEC
CR1270	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-15 A 30-Apr-15 30-Apr		100%	Place Copy of EPA and TDEC. Submittal in PDR
CR1280	Quarterly Report Period 8	01-Apr-15 A 01-Apr-15 30-Ju	· ·	100%	Quarterly Report Period 8
CR1290	Develop Quarterly Report 8	· · ·	I-15 A 29-Jul-15	100%	Develop Quarterly Report 8
CR1300	Submit Deliverable to EPA and TDEC		II-15 A 30-Jul-15	100%	Submit Deliverable to EPA and TDEC
CR1310	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-15 A 31-Jul-15 31-Ju		100%	Place Copy of EPA and TDEC Submittal in PDR
CR1320	Quarterly Report Period 9	01-Jul-15 A 01-Jul-15 30-Se		100%	
CR4210	Develop Quarterly Report 9		xt-15 A 29-Oct-15	100%	Develop Quarterty Report 9
CR4220	Submit Deliverable to EPA and TDEC	30-Oct-15 A 30-Oct-15 30-O		100%	Submit Deliverable to EPA and TDEC
CR4230	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-15 A 31-Oct-15 31-O		100%	
CR4240	Quarterly Report Period 10	01-Oct-15 A 01-Oct-15 31-De		100%	Quarterly Report Period 10
CR4250	Develop Quarterly Report 10		n-16 A 28-Jan-16	100%	Develop Quarterly Report 10
CR4260	Submit Deliverable to EPA and TDEC	29-Jan-16 A 29-Jan-16 29-Ja		100%	Submit Deliverable to EPA and TDEC
CR4200	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-16A 31-Jan-16 31-Ja		100%	Place Copy of EPA and TDEC Submittal in PDR
		01-Jan-16 A 01-Jan-16 31-Ja		100%	Quarterly Report - 2016
Quarterly Report - 2016					
CR8320	Quarterly Report Period 11	01-Jan-16 A 01-Jan-16 31-M		100%	Quarterly Report Period 11
CR8330	Develop Quarterly Report 11	01-Apr-16 A 01-Apr-16 27-Ap	· ·	100%	Develop Quarterly Report 11 Submit Deliverable to EPA and TDEC
CR8340	Submit Deliverable to EPA and TDEC		or-16 A 28-Apr-16	100%	Submit Deliverable to EPA and TDEC
CR8350	Place Copy of EPA and TDEC Submittal in PDR	29-Apr-16 A 29-Apr-16 29-Ap	· ·	100%	
CR8360	Quarterly Report Period 12	01-Apr-16A 01-Apr-16 30-Ju		100%	Quarterly Report Period 12
CR8370	Develop Quarterly Report 12		I-16 A 29-Jul-16	100%	Develop Quarterly Réport 12 Submit Deliverable to EPA and TDEC
CR8380	Submit Deliverable to EPA and TDEC		I-16 A 30-Jul-16	100%	
CR8390	Place Copy of EPA and TDEC Submittal in PDR		I-16 A 31-Jul-16	100%	Place Cdpy of EPA and TDEC Submittal in PDR
CR8400	Quarterly Report Period 13		p-16 A 30-Sep-16	100%	Quarterly Report Period 13
CR8410	Develop Quarterly Report 13	01-Oct-16 A 01-Oct-16 31-O		100%	Develop Quarterly Réport 13
CR8420	Submit Deliverable to EPA and TDEC	31-Oct-16 A 31-Oct-16 31-O	xt-16 A 31-Oct-16	100%	Submit Deliverable to EPA and TDEC
CR8430	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-16 A 31-Oct-16 31-O	xt-16 A 31-Oct-16	100%	Place Copy of EPA and TDEC Submittal in PDR
CR8440	Quarterly Report Period 14	01-Oct-16 A 01-Oct-16 31-De		100%	Quarterly Report Period 14
CR8450	Develop Quarterly Report 14	01-Jan-17 A 01-Jan-17 31-Ja	n-17 A 31-Jan-17	100%	Develop Quarterly Report 14
CR8460	Submit Deliverable to EPA and TDEC	31-Jan-17 A 31-Jan-17 31-Ja	n-17 A 31-Jan-17	100%	Submit Deliverable to EPA and TDEC
CR8470	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-17 A 31-Jan-17 31-Ja	n-17 A 31-Jan-17	100%	Place Copy of EPA and TDEC Submittal in PDR
Quarterly Report - 2017		01-Jan-17 A 01-Jan-17 30-J	an-18	92.41%	Duarterly Report - 2017
CR8480	Quarterly Report Period 15	01-Jan-17 A 01-Jan-17 31-M	ar-17 A 31-Mar-17	100%	Quarterly Report Per od 15
CR8490	Develop Quarterly Report 15	01-Apr-17 A 01-Apr-17 27-Ap	or-17 A 27-Apr-17	100%	Develop Quarterly Réport 15
CR8500	Submit Deliverable to EPA and TDEC	27-Apr-17 A 27-Apr-17 27-Ap	or-17 A 27-Apr-17	100%	Suțimit Deliverable to EPA and TDEC
CR8510	Place Copy of EPA and TDEC Submittal in PDR	27-Apr-17 A 27-Apr-17 27-Apr	or-17 A 27-Apr-17	100%	Place Copy of EPA and TDEC Submittal in PDR
CR8520	Quarterly Report Period 16	01-Apr-17 A 01-Apr-17 30-Ju	n-17 A 30-Jun-17	100%	Quarterly Report Period 16
CR8530	Develop Quarterly Report 16	01-Jul-17 A 01-Jul-17 31-Ju	I-17 A 31-Jul-17	100%	Develop Quarterity Réport 16
CR8540	Submit Deliverable to EPA and TDEC	31-Jul-17 A 31-Jul-17 31-Ju	I-17 A 31-Jul-17	100%	Submit Deliverable to EPA and TDEC
CR8550	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-17 A 31-Jul-17 31-Ju	I-17 A 31-Jul-17	100%	Place Copy of EPA and TDEC Submittal in PDR
CR8560	Quarterly Report Period 17	01-Jul-17 A 01-Jul-17 30-Se	p-17 A 30-Sep-17	100%	Quarterly Report Period 17
CR8570	Develop Quarterly Report 17	01-Oct-17 A 01-Oct-17 24-O	xt-17 A 24-Oct-17	100%	Develop Quarterly Report 17
CR8580	Submit Deliverable to EPA and TDEC	25-Oct-17 A 25-Oct-17 25-O	xt-17 A 25-Oct-17	100%	Submit Deliverable to EPA and TDEC
CR8590	Place Copy of EPA and TDEC Submittal in PDR	25-Oct-17 A 25-Oct-17 25-O	xt-17 A 25-Oct-17	100%	Place Copy of EPA and TDEC Submittal (n F
CR8600	Quarterly Report Period 18	01-Oct-17 A 01-Oct-17 31-De	c-17 A 31-Dec-17	100%	Quarterly Report Period 18
CR8610	Develop Quarterly Report 18	31-Dec-17 29-J	an-18	0%	Develop Quarterly Report 18
CR8620	Submit Deliverable to EPA and TDEC	30-Jan-18 30-J	an-18	0%	Submit Deliverable to EPA and TDEC
CR8630	Place Copy of EPA and TDEC Submittal in PDR	30-Jan-18 30-J	an-18	0%	Place Copy of EPA and TDEC Submitt
Quarterly Report - 2018		01-Jan-18 30-J	an-19	0%	Quarterly Report - 2018
CR8640	Quarterly Report Period 19	01-Jan-18* 31-M	lar-18	0%	Quarterly Report Period 19
CR8650	Develop Quarterly Report 19		pr-18	0%	
CR8660	Submit Deliverable to EPA and TDEC	· ·	pr-18	0%	Submit Deliverable to EPA and TC
CR8670	Place Copy of EPA and TDEC Submittal in PDR	· ·	pr-18	0%	Place Copy of EPA and TDEC.Su
CR8680	Quarterly Report Period 20	· ·	un-18	0%	Quarterly Report Period 20
CR8690	Develop Quarterly Report 20	· ·	ul-18	0%	Develop Quarterly Réport 20
CR8700	Submit Deliverable to EPA and TDEC		ul-18	0%	Submit Celiverable to EPA a
CR8710	Place Copy of EPA and TDEC Submittal in PDR		ul-18	0%	Place Copy of EPA and TDE
CR8720	Quarterly Report Period 21		ep-18	0%	Quarterly Report Period 21
CR8720			ep-18 lct-18	0%	Develop Quarterly Report
	Develop Quarterly Report 21				Submit Deliverable to
CR8740	Submit Deliverable to EPA and TDEC		lct-18	0%	Place Copy of EPA an
CR8750	Place Copy of EPA and TDEC Submittal in PDR		oct-18	0%	Quarterly Report Period
CR8760	Quarterly Report Period 22		ec-18	0%	
CR8770	Develop Quarterly Report 22		an-19	0%	Develop Quarterly
CR8780	Submit Deliverable to EPA and TDEC		an-19	0%	Submit Deliverab Place Copy of EF
CR8790	Place Copy of EPA and TDEC Submittal in PDR	30-Jan-19 30-J		0%	



Summary Critical Remaining W.. Actual Level of Effort \blacklozenge Baseline Milestone

Actual Work

Remaining Work

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

Page 17 of 24 DATA DATE: 12/31/2017



	Activity Name	Start Actual Start	Finish Actual Finish	Oceandate	2010 2011 2012 2013 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q	2018 2019 24 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q
uarterly Report - 2019		01-Jan-19	31-Jan-20	0%				Quarterly Report - 201
R8800	Quarterly Report Period 23	01-Jan-19	31-Mar-19	0%				Quarterly Report Perio
R8810	Develop Quarterly Report 23	01-Apr-19	29-Apr-19	0%				Develop Quarter
CR8820	Submit Deliverable to EPA and TDEC	30-Apr-19	30-Apr-19	0%				Submit Delivera
CR8830	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-19	30-Apr-19	0%				Place Copy of E
CR8840	Quarterly Report Period 24	01-Apr-19	30-Jun-19	0%				Quarterly Report
CR8850	Develop Quarterly Report 24	01-Jul-19	30-Jul-19	0%				Develop Qu
CR8860	Submit Deliverable to EPA and TDEC	31-Jul-19	31-Jul-19	0%				Submit De
CR8870	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-19	31-Jul-19	0%				Place Cop
CR8880	Quarterly Report Period 25	01-Jul-19	30-Sep-19	0%				Quarterly Re
CR8890	Develop Quarterly Report 25	01-Oct-19	30-Oct-19	0%				Develo
CR8900	Submit Deliverable to EPA and TDEC	31-Oct-19	31-Oct-19	0%				Subn
CR8910	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-19	31-Oct-19	0%				Place
CR8920	Quarterly Report Period 26	01-Oct-19	31-Dec-19	0%				Quarte
CR8930	Develop Quarterly Report 26	01-Jan-20	30-Jan-20	0%				
CR8940	Submit Deliverable to EPA and TDEC	31-Jan-20	31-Jan-20	0%				
CR8950	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-20	31-Jan-20	0%				
Quarterly Report - 2020		01-Jan-20	31-Jul-20	0%				
CR8960	Quarterly Report Period 27	01-Jan-20	31-Mar-20	0%				
CR8960 CR8970	Develop Quarterly Report 27	01-Jan-20 01-Apr-20	31-маг-20 29-Арг-20	0%				
	Submit Deliverable to EPA and TDEC	•		0%				
CR8980		30-Apr-20	30-Apr-20					
CR8990	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-20	30-Apr-20	0%				
CR9000	Quarterly Report Period 28	01-Apr-20	30-Jun-20	0%				
CR9010	Develop Quarterly Report 28	01-Jul-20	30-Jul-20	0%				
CR9020	Submit Deliverable to EPA and TDEC	31-Jul-20	31-Jul-20	0%				
CR9030	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-20	31-Jul-20	0%				
ara 39 - Semi Annu	al Reports	24-Apr-13 A 24-Apr-13	30-Jul-20	63.99%	Para 39 - Semi	Annual Reports		
emi Annual Repo		24-Apr-13A 24-Apr-13	30-Jul-20	63.99%	Semi Annual Re	eports		
· · · · · · · · · · · · · · · · · · ·								
Semi-Annual Report - 20		24-Apr-13A 24-Apr-13			Semi-Annual R			
CR4000	Semi Annual Report Period 1	24-Apr-13 A 24-Apr-13		1 1	Serhi Annual B			
CR4010	Develop Semi Annual Report	01-Jan-14A 01-Jan-14	29-Jan-14 A 29-Jan-14	100%		Develop Semi Annual Report		
CR4020	Submit Deliverable to EPA and TDEC	30-Jan-14 A 30-Jan-14	30-Jan-14 A 30-Jan-14	100%		Submit Deliverable to EPA and TDEC		
CR4030	Place Copy of EPA and TDEC Submittal in PDR	10-Feb-14 A 10-Feb-14	10-Feb-14 A 10-Feb-14	100%		Place Copy of EPA and TDEC Submitta	al in PDR	
Semi-Annual Report - 20	014	01-Jan-14 A 01-Jan-14	28-Jan-15 A 28-Jan-15	100%		Semi-Annual Report - 2014		
CR4040	Semi Annual Report Period 2	01-Jan-14 A 01-Jan-14	30-Jun-14 A 30-Jun-14	100%		Semi Annual Report Period 2		
CR4050	Develop Semi Annual Report	01-Jul-14 A 01-Jul-14	28-Jul-14 A 28-Jul-14	100%		Develop Semi Annual Report		
CR4060	Submit Deliverable to EPA and TDEC	29-Jul-14 A 29-Jul-14	29-Jul-14 A 29-Jul-14	100%		Submit Deliverable to EPA an	d TDEC	
CR4070	Place Copy of EPA and TDEC Submittal in PDR	29-Jul-14 A 29-Jul-14	29-Jul-14 A 29-Jul-14	100%		Place Copy of EPA and TDEC		
CR4080	Semi Annual Report Period 3	01-Jul-14 A 01-Jul-14				Semi Annual Report Period 3		
CR4090	Develop Semi Annual Report	31-Dec-14 A 31-Dec-14				Develop Semi Annu	al Report	
CR4090	Submit Deliverable to EPA and TDEC	27-Jan-15 A 27-Jan-15				Submit Deliverable		
CR4110	Place Copy of EPA and TDEC Submittal in PDR			100%			and TDEC Submittal in PDR	
		28-Jan-15 A 28-Jan-15				Semi-Annual Report		
Semi-Annual Report - 20	115	01-Jan-15 A 01-Jan-15		100%				
CR4120	Semi Annual Report 4 Data Collection	01-Jan-15A 01-Jan-15				Semi Annual Report		
CR4130	Develop Semi Annual Report 4	01-Jul-15 A 01-Jul-15		100%		Develop S	Semi Annual Report 4	
CR4140	Submit Deliverable to EPA and TDEC	31-Jul-15 A 31-Jul-15	31-Jul-15 A 31-Jul-15	100%			Deliverable to EPA and TDEC	
CR4150	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-15 A 31-Jul-15	31-Jul-15 A 31-Jul-15	100%			opy of EPA and TDEC Submittal in PDR	
CR4160	Semi Annual Report 5 Data Collection	01-Jul-15 A 01-Jul-15	31-Dec-15 A 31-Dec-15	100%		SemiAnn	ual Report 5 Data Collection	
CR4170	Develop Semi Annual Report 5	31-Dec-15 A 31-Dec-15	28-Jan-16 A 28-Jan-16	100%			Develop Semi Annual Report 5	
CR4180	Submit Deliverable to EPA and TDEC	29-Jan-16A 29-Jan-16	29-Jan-16 A 29-Jan-16	100%			Submit Deliverable to EPA and TDEC	
CR4190	Place Copy of EPA and TDEC Submittal in PDR	30-Jan-16A 30-Jan-16	30-Jan-16 A 30-Jan-16	100%			Place Copy of EPA and TDEC Submit	al in PDR
Semi-Annual Report - 20	016	01-Jan-16A 01-Jan-16	31-Jan-17 A 31-Jan-17	100%			Semi-Annual Report 2016	
CR9040	Semi Annual Report 6 Data Collection	01-Jan-16A 01-Jan-16	30-Jun-16 A 30-Jun-16	100%			Semi Annual Report 6 Data Collection	
CR9050	Develop Semi Annual Report 6		30-Jul-16 A 30-Jul-16	100%			Develop Semi Annual Report	16
CR9060	Submit Deliverable to EPA and TDEC	31-Jul-16 A 31-Jul-16		100%			Submit Deliverable to EPA	
CR9070	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-16 A 31-Jul-16		100%			Place Copy of EPA and TD	
CR9080	Semi Annual Report 7 Data Collection	01-Jul-16 A 01-Jul-16		1 1			Semi Annual Report 7 Data C	
CR9090	Develop Semi Annual Report 7	01-Jan-17A 01-Jan-17		100%			Develop Semi Anr	
CR9090 CR9100	Submit Deliverable to EPA and TDEC	31-Jan-17A 01-Jan-17 31-Jan-17A 31-Jan-17						ble to EPA and TDEC
CR9100 CR9110	Place Copy of EPA and TDEC Submittal in PDR							PA and TDEC Submittal in PDR
		31-Jan-17 A 31-Jan-17 01-Jan-17 A 01-Jan-17		92.01%			Semi-Annual Rep	
Semi-Annual Report - 20								
CR9120	Semi Annual Report 8 Data Collection	01-Jan-17A 01-Jan-17		100%				ort 8 Data Collection
CR9130	Develop Semi Annual Report 8		31-Jul-17 A 31-Jul-17	100%				o Semi Annual Report 8
CR9140	Submit Deliverable to EPA and TDEC	31-Jul-17 A 31-Jul-17		100%				it Deliverable to EPA and TDEC
CR9150	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-17 A 31-Jul-17		100%				Copy of EPA and TDEC Submittal in PDR
CR9160	Semi Annual Report 9 Data Collection	01-Jul-17 A 01-Jul-17	31-Dec-17 A 31-Dec-17	100%			Semi:Ar	nnual Report 9 Data Collection
CR9170	Develop Semi Annual Report 9	31-Dec-17	28-Jan-18	0%				Develop Semi Annual Report 9
CR9180	Submit Deliverable to EPA and TDEC	29-Jan-18	29-Jan-18	0%				Submit Deliverable to EPA and TDEC
CR9190	Place Copy of EPA and TDEC Submittal in PDR	29-Jan-18	29-Jan-18	0%				Place Copy of EPA and TDEC Submittal in
								Semi-Annual Report - 2018



Actual Level of Effort

Actual Work

Remaining Work

Baseline Milestone

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

Page 18 of 24 DATA DATE: 12/31/2017



	Activity Name	Start Actual Star	t Finish	Actual Finish	Duration % 00 Complete
9200	Semi Annual Report 10 Data Collection	31-Dec-17	29-Jun-18		0%
9210	Develop Semi Annual Report 10	30-Jun-18	29-Jul-18		0%
9220	Submit Deliverable to EPA and TDEC	30-Jul-18	30-Jul-18		0%
230	Place Copy of EPA and TDEC Submittal in PDR Semi Annual Report 11 Data Collection	30-Jul-18 30-Jun-18	30-Jul-18 30-Dec-18		0% 0%
1250	Develop Semi Annual Report 11	31-Dec-18	27-Jan-19		0%
260	Submit Deliverable to EPA and TDEC	28-Jan-19	28-Jan-19		0%
0	Place Copy of EPA and TDEC Submittal in PDR	28-Jan-19	28-Jan-19		0%
-Annual Report - 2		31-Dec-18	28-Jan-20		0%
80	Semi Annual Report 12 Data Collection	31-Dec-18	29-Jun-19		0%
9290	Develop Semi Annual Report 12	30-Jun-19	29-Jul-19		0%
9300	Submit Deliverable to EPA and TDEC	30-Jul-19	30-Jul-19		0%
89310	Place Copy of EPA and TDEC Submittal in PDR	30-Jul-19	30-Jul-19		0%
R9320	Semi Annual Report 13 Data Collection	30-Jun-19	30-Dec-19		0%
R9330	Develop Semi Annual Report 13	31-Dec-19	27-Jan-20		0%
9340	Submit Deliverable to EPA and TDEC	28-Jan-20	28-Jan-20		0%
9350	Place Copy of EPA and TDEC Submittal in PDR	28-Jan-20	28-Jan-20		0%
mi-Annual Report - 2	2020	31-Dec-19	30-Jul-20		0%
9360	Semi Annual Report 14 Data Collection	31-Dec-19	29-Jun-20		0%
370	Develop Semi Annual Report 14	30-Jun-20	29-Jul-20		0%
380	Submit Deliverable to EPA and TDEC	30-Jul-20	30-Jul-20		0%
390	Place Copy of EPA and TDEC Submittal in PDR	30-Jul-20	30-Jul-20		0%
0 - Annual Re	eports	01-Jan-14 A 01-Jan-14	4 27-Feb-21		55.34%
al Reports		01-Jan-14A 01-Jan-14	4 27-Feb-21		55.34%
		01-Jan-14 A 01-Jan-14	1 28-Eab 14-	A 28-Feb-14	100%
ual Report - 2013					1
8010	Develop Annual Report Submit Deliverable to EPA and TDEC	01-Jan-14 A 01-Jan-14			100%
3020 3030	Place Copy of EPA and TDEC Place Copy of EPA and TDEC	27-Feb-14 A 27-Feb-14 28-Feb-14 A 28-Feb-14			100% 100%
	Place Copy of EPA and TDEC Submittan in PDR	01-Jan-14A 01-Jan-14			100%
nual Report - 2014					1
8040	Annual Report Period 2	01-Jan-14A 01-Jan-14			100%
8050 8060	Develop Annual Report	31-Dec-14 A 31-Dec-1			100%
070	Submit Deliverable to EPA and TDEC Place Copy of EPA and TDEC Submittal in PDR	25-Feb-15 A 25-Feb-1			100% 100%
	Flace Copy of EFA and TDEC Submittan In FDR	25-Feb-15 A 25-Feb-1 01-Jan-15 A 01-Jan-1			100%
nual Report - 2015					
8080	Annual Report Period 3 Data Collection	01-Jan-15 A 01-Jan-15			100% 100%
8100	Develop Annual Report 3 Submit Deliverable to EPA and TDEC	01-Jan-16A 01-Jan-16 01-Mar-16A 01-Mar-10			100%
3110	Place Copy of EPA and TDEC Submittal in PDR	02-Mar-16 A 02-Mar-1			100%
nual Report - 2016	Place Copy of EPA and IDEC Submittanin PDR	01-Jan-16A 01-Jan-16			100%
8120	Annual Report Period 4 Data Collection	01-Jan-16A 01-Jan-16			100%
R8130	Develop Annual Report 4	01-Jan-17 A 01-Jan-17			100%
R8140	Submit Deliverable to EPA and TDEC	23-Feb-17 A 23-Feb-1			100%
8150	Place Copy of EPA and TDEC Submittal in PDR	23-Feb-17 A 23-Feb-1			100%
nual Report - 2017		01-Jan-17A 01-Jan-1			85.2%
8160	Annual Report Period 5 Data Collection	01-Jan-17 A 01-Jan-17			100%
3170	Develop Annual Report 5	31-Dec-17	26-Feb-18		0%
8180	Submit Deliverable to EPA and TDEC	27-Feb-18	27-Feb-18		0%
8190	Place Copy of EPA and TDEC Submittal in PDR	27-Feb-18	27-Feb-18		0%
ual Report - 2018		31-Dec-17	27-Feb-19		0%
8200	Annual Report Period 6 Data Collection	31-Dec-17	30-Dec-18		0%
8210	Develop Annual Report 6	31-Dec-18	26-Feb-19		0%
8220	Submit Deliverable to EPA and TDEC	27-Feb-19	27-Feb-19		0%
8230	Place Copy of EPA and TDEC Submittal in PDR	27-Feb-19	27-Feb-19		0%
ual Report - 2019		31-Dec-18	28-Feb-20		0%
8240	Annual Report Period 7 Data Collection	31-Dec-18	30-Dec-19		0%
250	Develop Annual Report 7	31-Dec-19	27-Feb-20		0%
60	Submit Deliverable to EPA and TDEC	28-Feb-20	28-Feb-20		0%
70	Place Copy of EPA and TDEC Submittal in PDR	28-Feb-20	28-Feb-20		0%
al Report - 2020		31-Dec-19	27-Feb-21		0%
8280	Annual Report Period 8 Data Collection	31-Dec-19	30-Dec-20		0%
8290	Develop Annual Report 8	31-Dec-20	26-Feb-21		0%
8300	Submit Deliverable to EPA and TDEC	27-Feb-21	27-Feb-21		0%
310	Place Copy of EPA and TDEC Submittal in PDR	27-Feb-21	27-Feb-21		0%
ram Managemo	ent	01-Jul-12 A 01-Jul-12	30-Jun-20		46.45%
		01-Jul-12 A 01-Jul-12	30-Jun-20		46.45%
gram Managem					40.43%
	ment for Consent Decree - Year 6	01-Jul-17 A 01-Jul-17	30-Jun-18		0%
rogram Manager		01-Jul-17 A 01-Jul-17	30-Jun-18		0%
	- Fiscal Year 2018		50 0an-10		0.10
ogram Manager ogram Management ³⁹⁵⁰	- Fiscal Year 2018 Year 6 - Fiscal Year 2018	01-Jul-17 A 01-Jul-17	20 1		0%

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C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U
DECEMBER 2017 UPDATE

	Activity Name	Start Actual Sta	t Finish Actual Finish	Duration % Complete		2012 2013	2014 2015	
rogram Managem	ent for Consent Decree - Year 7	01-Jul-18	30-Jun-19	0%	<u>u4 u1 u2 u3 u4 Q1 Q2 Q3 Q4 Q1</u>		<u>Q4</u> <u>Q1</u> <u>Q2</u> <u>Q3</u> <u>Q4</u> <u>Q1</u> <u>Q2</u> <u>0</u>	Q3 Q4 Q1 Q2 Q3 Q4<
rogram Management -		01-Jul-18	30-Jun-19	0%				Program Management - Fi
\$960	Year 7 - Fiscal Year 2019	01-Jul-18	30-Jun-19	0%				Year 7 - Fiscal Year 2019
rogram Managem	ent for Consent Decree - Year 8	01-Jul-19	30-Jun-20	0%				Prog
rogram Management -		01-Jul-19	30-Jun-20	0%				Prog
.8970	Year 8 - Fiscal Year 2020	01-Jul-19	30-Jun-20 30-Jun-17 A 30-Jun-17	0%		Program Management - Yea	ars 1-5	Year
rogram Managem	ent - Years 1-5					Year 1 2013		
Year 1 2013 AI5000	Year 1 - Fiscal Year 2013		30-Jun-13 A 30-Jun-13	100% 100%		Year 1 - Fiscal Year 2013		
/ear 2 2014	fear 1 - Fiscar fear 2013		30-Jun-13 A 30-Jun-13 30-Jun-14 A 30-Jun-14	100%		Year 2	2014	
AI5100	Year 2 - Fiscal Year 2014		30-Jun-14 A 30-Jun-14	100%		Year 2	- Fiscal Year 2014	
Year 3 2015		01-Jul-14 A 01-Jul-14	30-Jun-15 A 30-Jun-15	100%			Year 3 2015	
AI5200	Year 3 - Fiscal Year 2015		30-Jun-15 A 30-Jun-15	100% 100%			Year 3 - Fiscal Year 20	015 Year 4 2016
Year 4 2016 AI5300	Year 4 - Fiscal Year 2016		30-Jun-16 A 30-Jun-16 30-Jun-16 A 30-Jun-16	100%				Year 4 - Fiscal Year 2016
Year 5 2017			30-Jun-17 A 30-Jun-17	100%				Year 5 2017
AI5400	Year 5 - Fiscal Year 2017		30-Jun-17 A 30-Jun-17	100%				Year 5 - Fiscal Year 2017
ditional Consent I	Decree Supported Projects	27-Jan-11 A 27-Jan-1	1 06-Dec-20	64.42%	Additional Consent Decr			
BWWTP Backup E	lectrical Power	27-Jan-11 A 27-Jan-1	1 11-Mar-16 A 11-Mar-16	100%	MBWWTP Backup Electr	trical Power		
BWWTP Backup		27-Jan-11 A 27-Jan-1	1 11-Mar-16 A 11-Mar-16	100%		trical Power		
Engineering Phase		10-Jan-12 A 10-Jan-1	2 26-Jan-14 A 26-Jan-14	100%	Engi	gineering Phase		
A4780	Engineering Phase		2 26-Jan-14 A 26-Jan-14	100%		giheering Phase		
onstruction Bidding P			1 02-Feb-15 A 02-Feb-15	100%		hase		
A4790	Construction Bidding Phase		1 02-Feb-15 A 02-Feb-15	100% 100%	Construction Bidding Ph	hase Construction Ph	hase	
Construction Phase	Construction Phase		3 11-Mar-16 A 11-Mar-16 3 11-Mar-16 A 11-Mar-16	100%		Construction P	hase	
outh Chick Creek		01-Dec-17 A 01-Dec-1		0%				South Chick Creek 4 Rehabilitation
		01-Dec-17 A 01-Dec-1	7 06-Dec-20	0%				Sputh Chickamauga Creek 4 Rehabilit
	ga Creek 4 Rehabilitation			070				Project Procurement Phase
Project Procurement Ph A8170	Procurement Phase	01-Dec-17 A 01-Dec-1 01-Dec-17 A 01-Dec-1		23.97% 23.97%				Procurement Phase, Procurement Pha
Planning Phase	riocurement rilase	02-Apr-18	30-Jul-18	0%				Planning Phase
A8180	Planning Phase	02-Apr-18	30-Jul-18	0%				Planning Phase
Engineering Phase		31-Jul-18	25-Feb-19	0%				Engineering Phase
A8190	Engineering Phase	31-Jul-18 26-Feb-19	25-Feb-19 26-May-19	0%				Engineeting Phase Construction
Construction Bidding P A8200	hase Construction Bidding Phase	26-Feb-19 26-Feb-19	26-May-19 26-May-19	0%				Construction
Construction Phase		27-May-19	06-Dec-20	0%				Constru
A8210	Construction Phase	27-May-19	06-Dec-20	0%				Constr
ars Branch Interc	eptor Improvements - Phase 1	31-Dec-17	27-Dec-19	0%				Friars Branch Interceptor Improveme
riars Branch Inter	ceptor Improvements - Phase 1	31-Dec-17	27-Dec-19	0%				Friars Branch Interceptor Improveme
roject Procurement Ph		31-Dec-17	01-Apr-18	0%				Project Procurement Phase
48470	Project Procurement Phase	31-Dec-17*	01-Apr-18	0%				Project Procurement Phase
lanning Phase	Discusion Discus	02-Apr-18	31-May-18	0%				Planning Phase
A8480	Planning Phase	02-Apr-18 01-Jun-18	31-May-18 28-Sep-18	0%				Planning Phase Engineering Phase
N8490	Engineering Phase	01-Jun-18	28-Sep-18	0%				Engineering Phase
onstruction Bidding P		29-Sep-18	27-Dec-18	0%				Construction Bidding
\$\$500	Construction Bidding Phase	29-Sep-18	27-Dec-18	0%				Construction Bidding
Construction Phase	Construction Disease	28-Dec-18	27-Dec-19	0%				Construction Ph
8510	Construction Phase Rebabilitation	28-Dec-18 31-Dec-17	27-Dec-19 06-Dec-20	0%				Tennessee River 13 Rehabilitation
nnessee River 13			06-Dec-20	0.00				Tennessee River 13 Rehabilitation
ennessee River 1		31-Dec-17		0%				
Project Procurement Ph		31-Dec-17	01-Apr-18	0%				Project Procurement Phase Project Procurement Phase
A8220 lanning Phase	Project Procurement Phase	31-Dec-17* 02-Apr-18	01-Apr-18 30-Jul-18	0%				Planning Phase
18230	Planning Phase	02-Apr-18	30-Jul-18	0%				Planning Phase
ngineering Phase		31-Jul-18	27-Mar-19	0%				Engineering Phase
8240	Engineering Phase	31-Jul-18	27-Mar-19	0%				Engineering Phase
onstruction Bidding P		28-Mar-19	25-Jun-19	0%				Constructio
10050	Construction Bidding Phase	28-Mar-19 26-Jun-19	25-Jun-19 06-Dec-20	0%				
A8250 Construction Phase								

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C6A02300-DEC17-UPDAT / C6A02300 - ACTIVITY CODES 11x17 REPORT U
DECEMBER 2017 UPDATE

	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	Q3 Q4	2010 Q1 Q2 0	Q3 Q4	20 Q1 Q2	Q3 Q4		2012 2 Q3 Q4	Q1 Q2 Q3	Q4 Q1	2014 Q2 Q3	Q4
A8260	Construction Phase	26-Jun-19		06-Dec-20		0%											
OTF Improvement	s - Phase 1	01-Dec-17 A	01-Dec-17	12-Mar-19		0%											
SOTF Improvemer	nts - Phase 1	01-Dec-17 A	01-Dec-17	12-Mar-19		0%											
oject Procurement Pha		01-Dec-17 A	01-Dec-17	01-Apr-18		0%											
3720	Project Procurement Phase	01-Dec-17 A				0%											
anning Phase		02-Apr-18		16-May-18		0%											
8730	Planning Phase	02-Apr-18		16-May-18		0%											
ngineering Phase		17-May-18		15-Jul-18		0%											
\ 8740	Engineering Phase	17-May-18		15-Jul-18		0%											
onstruction Bidding Ph		16-Jul-18		13-Sep-18		0%											
48750	Construction Bidding Phase	16-Jul-18		13-Sep-18		0%											
Construction Phase		14-Sep-18		12-Mar-19		0%											
48760	Construction Phase	14-Sep-18	04.4	12-Mar-19		0%										MBW	
BWWTP Secondary	Clarifier Upgrades and Additions	04-Aug-14 A	04-Aug-14	25-Dec-18		75.84%											
BWWTP Seconda	ry Clarifier Upgrades and Additions	04-Aug-14 A	04-Aug-14	25-Dec-18		75.84%										MBW	٧V
roject Procurement		04-Aug-14 A	04-Aug-14	26-Jan-15 A	26-Jan-15	100%										Proje	ect
AL1090	CD Pregualification Procurement (FY 2014 - 2015) - Development and Issuance of	04-Aug-14 A				100%										CD F	
	RFP																
L1100	DuPont	20-Sep-14 A				100%)uP
L1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement		09-Oct-14			100%											PM P
AL1120 AL1130	PMO Approved Agreement to Council for Approval Consultant Signed Agreement to City for Execution	06-Nov-14 A 21-Nov-14 A	06-Nov-14			100% 100%											P
anning Phase			12-Feb-15			100%											1
L1000	Planning Phase		12-Feb-15			100%											
L1060	SRF Facility Plan Approval		30-Dec-15			100%											
ngineering Phase			06-Aug-15			100%											
L1010	Engineering	06-Aug-15 A	06-Aug-15	15-May-16 A	15-May-16	100%											
L1020	SRF Approval of Contract Documents		16-May-16			100%											
onstruction Bidding Ph		20-Jul-16 A	20-Jul-16	27-Mar-17 A	27-Mar-17	100%											
L1070	Construction Bidding Phase	20-Jul-16 A		19-Jan-17 A		100%											
L1140	SRF Administration Phase	20-Jan-17 A	20-Jan-17 28-Mar-17		27-Mar-17	100% 40.56%											
onstruction Phase	Construction Dhoos																
AL1080 EPA and TDEC Approvals	Construction Phase	28-Mar-17 A 25-Dec-18	28-Mar-17	24-Dec-18 25-Dec-18		40.56%											
AL1030	Notification of Completion to EPA, TDEC, TCWN	25-Dec-18		25-Dec-18		0%											
	PS Safety Upgrade		01-Nov-16			46.56%											
		01-Nov-16 A	01 Nov 16	22 Eab 10		46.56%											
	e PS Safety Upgrade																
Project Procurement		01-Nov-16 A				100%											
A7070	Development and Issuance of RFP	01-Nov-16 A				100%											
A7080	Consultant develops and Submit Scope and Cost proposal		23-Dec-16			100%											
A7090 A7100	PMO Reviews/ Negotiates and Approve Proposal / Agreement PMO Approved Agreement to Council for Approval		20-Jan-17 25-Aug-17	-	-	100% 100%											
A7110	Consultant Signed Agreement to City for Execution		19-Sep-17			100%											
roject Planning		20-Sep-17 A				63.49%											
47120	Planning Phase	20-Sep-17 A				63.49%											
ingineering Phase		23-Jan-18	· ·	22-May-18		0%											
A7130	Engineering	23-Jan-18		22-May-18		0%											
onstruction Bidding Ph	ase	23-May-18		25-Jun-18		0%											
A7150	Construction Bidding Phase	23-May-18		25-Jun-18		0%											
onstruction Phase		26-Jun-18		22-Feb-19		0%											
47170	Construction Phase	26-Jun-18*		22-Feb-19		0%											
tico PS Reliability I	mprovements	01-Jul-16 A	01-Jul-16	04-Nov-19		43.46%											
itico PS Reliability		01-Jul-16 A	01-Jul-16	04-Nov-19		43.46%											
		01-Jul-16 A	01-10-16	23-Nov-16 A	23-Nov-16	100%											
Project Procurement	Development and Issuance of PED																
A4495 A4500	Development and Issuance of RFP Consultant develops and Submit Scope and Cost proposal	01-Jul-16 A 23-Jul-16 A		22-Jul-16 A 19-Aug-16 A		100% 100%											
A4505	PMO Reviews/ Negotiates and Approve Proposal / Agreement		20-Aug-16		-	100%											
A4510	PMO Approved Agreement to Council for Approval	28-Aug-16 A	-			100%											
A4515	Consultant Signed Agreement to City for Execution	27-Sep-16 A				100%											
Planning Phase		11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17	100%											
A4600	Planning Phase	11-Nov-16 A				100%											
Pump Station			16-Jan-17			100%											
A4605	Engineering Phase- Pump Station		16-Jan-17		15-May-17	100%											
Force Main		09-Jul-18		31-Jan-19		0%	1 1		1	1	i 1	1	1 1	1 1 1	1 I I		

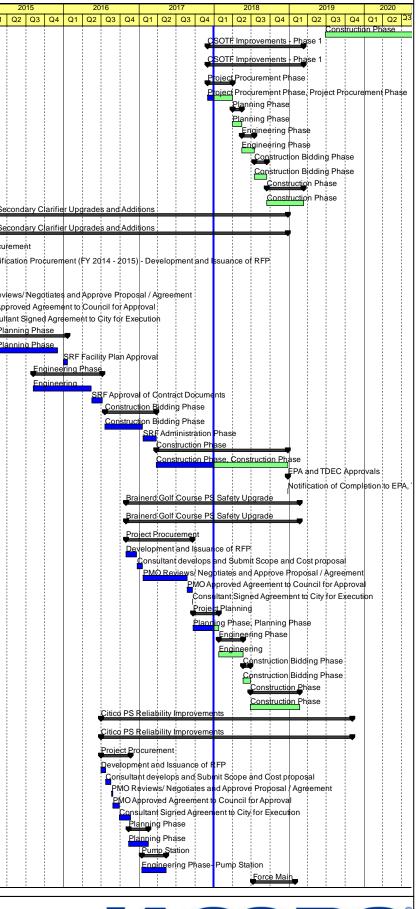
Actual Level of Eff Actual Work Remaining Work

Actual Level of Effort

Baseline Milestone

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

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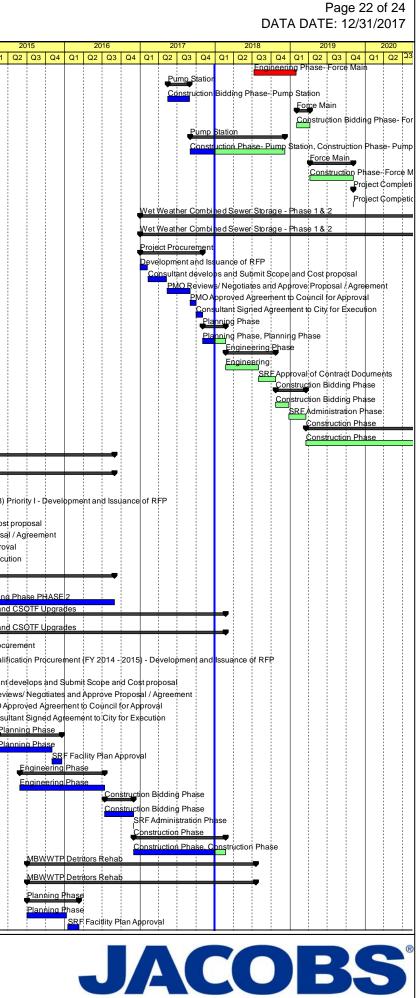


	Activity Name	Start Actual Sta	rt Finish	Actual Finish	Duration % Complete	009 Q3 Q4	Q1 (2010 22 Q3	Q4 Q1	201 Q2	1 Q3 Q4	Q1	2012 Q2 Q3	Q4	Q1	2013 Q2 (Q1 (2014 Q2 Q3	Q4 Q1
A4655	Engineering Phase- Force Main	09-Jul-18*	31-Jan-19		0%															
Pump Station		16-May-17 A 16-May-1	7 31-Aug-17 A	31-Aug-17	100%															
A4615	Construction Bidding Phase- Pump Station	16-May-17 A 16-May-1		31-Aug-17	100%															
Force Main		01-Feb-19	06-Apr-19	I	0%															
A4675	Construction Bidding Phase- Force Main	01-Feb-19	06-Apr-19		0%															
Pump Station		01-Sep-17 A 01-Sep-1			26.13%															
A4625	Construction Phase- Pump Station	01-Sep-17 A 01-Sep-1			26.13%															
Force Main	Construction Dhoose Forme Main	07-Apr-19	03-Nov-19	1																
A4665	Construction Phase- Force Main	07-Apr-19 04-Nov-19	03-Nov-19 04-Nov-19		0%															
Project Completion A4820	Project Competion	04-Nov-19	04-Nov-19	1	0%															
	ined Sewer Storage - Phase 1 & 2	03-Jan-17 A 03-Jan-1			26.05%															
Wet Weather Com	bined Sewer Storage - Phase 1 & 2	03-Jan-17 A 03-Jan-1	7 31-Oct-20		26.05%															
Project Procurement		03-Jan-17 A 03-Jan-1	7 03-Nov-17 A	03-Nov-17	100%															
A4545	Development and Issuance of RFP	03-Jan-17 A 03-Jan-1	7 08-Feb-17 A	08-Feb-17	100%															
A4550	Consultant develops and Submit Scope and Cost proposal	09-Feb-17 A 09-Feb-1			100%															
A4555	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-May-17 A 12-May-1	· ·	•	100%															
A4560 A4565	PMO Approved Agreement to Council for Approval Consultant Signed Agreement to City for Execution	02-Sep-17 A 02-Sep-1 01-Oct-17 A 01-Oct-1	· ·		100% 100%															
Planning Phase	Consulant oighed Agreement to only for Execution	03-Nov-17 A 03-Nov-1		03-1101-17	100%															
A4570	Planning Phase	03-Nov-17 A 03-Nov-1			10%															
Engineering Phase		23-Feb-18	22-Oct-18		0%															
A4630	Engineering	23-Feb-18	30-Jul-18		0%															
A4635	SRFApproval of Contract Documents	31-Jul-18	22-Oct-18		0%															
Construction Bidding F	Phase	23-Oct-18	18-Mar-19		0%															
A4640	Construction Bidding Phase	23-Oct-18*	24-Dec-18		0%															
A4645	SRFAdministration Phase	25-Dec-18	18-Mar-19		0%															
Construction Phase		19-Mar-19	31-Oct-20		0%															
A4650	Construction Phase	19-Mar-19*	31-Oct-20		0%									201	Encilt	Dion	Update			
201 Facilty Plan Up	date	18-Oct-12 A 18-Oct-1	2 01-Sep-16 A	01-Sep-16	100%									-					—	
201 Facility Plan U	pdate	18-Oct-12 A 18-Oct-12	2 01-Sep-16 A	01-Sep-16	100%									201	Facili	ty Plan	n Update	+		
Project Procurement		18-Oct-12 A 18-Oct-1	2 22-Jan-13 A	22-Jan-13	100%									Proj	ject Pr	ocuren	nent			
OP1170	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and	18-Oct-12 A 18-Oct-12	2 01-Dec-12 A	01-Dec-12	100%									CD	Prequ	alifica	tion Pro	suremen	t (FY 20	12 - 2013)
	Issuance of RFP																			
OP1300	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A 02-Dec-1			100%									· ·						e and Cos
OP1310	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A 12-Dec-1			100%															e Propos for Appro
OP1320 OP1330	PMO Approved Agreement to Council for Approval Consultant Signed Agreement to City for Execution	22-Dec-12 A 22-Dec-1 09-Jan-13 A 09-Jan-1			100% 100%									1	1			1 1		y for Exec
Planning Phase	Consultant Signed Agreement to City for Execution	23-Jan-13 A 23-Jan-1			100%											ning P		J		, T
r iunning r nuoc						i i		i i		1 1				1						
OP1180	Planning Phase PHASE 1	23-Jan-13 A 23-Jan-1	3 27-Sep-14 A	27-Sep-14	100%					1 1	- i			1	Plan	ning F	Phase Pl	HASE 1		
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Actual Level

Remaining Work

Summary Critical Remaining W... Actual Level of Effort \blacklozenge Baseline Milestone CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I CITY OF CHATTANOOGA, TN WASTE RESOURCES DIVISION



	Activity Name	Start	Actual Start	Finish Actual Finish	Duration % Complete	Q3 Q4 Q1	2010 Q2 Q3 Q4	2011 Q1 Q2 Q3 Q	201 4 Q1 Q2		2013 Q1 Q2 Q3 (2014 2 Q3 Q4	+ Q1
Engineering Phase		05-Feb-16 A	05-Feb-16	12-Dec-16 A 12-Dec-16	100%									
A3100	Engineering Phase	05-Feb-16 A	05-Feb-16	27-Oct-16 A 27-Oct-16	100%									
A3120	TDEC Approval of Contract Documents			12-Dec-16 A 12-Dec-16	100%									
Construction Bidding Ph				25-Mar-17 A 25-Mar-17	100%									
A3200	Construction Bidding Phase			25-Mar-17 A 25-Mar-17	100%									
Construction Phase		26-Mar-17 A			53.18%									
A3300	Construction Phase	26-Mar-17 A	26-Mar-17 16-Sep-15		53.18% 65.36%									
	h Chick Creek 5 Interceptor Rehab		·											
Friar's Branch-Sout	th Chick Creek 5 Interceptor Rehab	16-Sep-15 A	16-Sep-15	27-Mar-19	65.36%									
Planning Phase		16-Sep-15 A	16-Sep-15	24-Mar-16 A 24-Mar-16	100%									
A4000	Planning Phase	16-Sep-15 A	16-Sep-15	15-Feb-16 A 15-Feb-16	100%									
A4020	SRF Facitiity Plan Approval	16-Feb-16 A	16-Feb-16	24-Mar-16 A 24-Mar-16	100%									
Engineering Phase		25-Mar-16 A	25-Mar-16	17-Nov-17 A 17-Nov-17	100%									
A4100	Engineering Phase			23-Sep-17 A 23-Sep-17	100%									
A4120	SRF Approval of Contract Documents	· ·		17-Nov-17 A 17-Nov-17	100%									
Construction Bidding Ph		18-Nov-17 A			12.38%									
A4200 A4220	Construction Bidding Phase SRF Administration Phase	18-Nov-17 A 03-Mar-18	10-NOV-17	02-Mar-18 01-Apr-18	40.95%									
Construction Phase		02-Apr-18		27-Mar-19	0%									
A4300	Construction Phase	02-Apr-18		27-Mar-19	0%									
	se II/Spring Creek PS Upgrades	21-Aug-14 A	21-Aug-14	28-Feb-18	94.55%								South	Chick F
				28-Feb-18	94.55%								South	Chick
	ase II and Spring Creek PS Upgrades		Ŭ											
Project Procurement		21-Aug-14 A	21-Aug-14	05-May-15 A 05-May-15	100%									ct Procu
A2000	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	21-Aug-14 A	21-Aug-14	19-Sep-14 A 19-Sep-14	100%								CD Pr	requalifi
42020		20 8 44 4	20.84-14	12 Oct 14 A 42 Oct 44	100%								Con	sultant
\2020 \2030	Consultant develops and Submit Scope and Cost proposal PMO Reviews/ Negotiates and Approve Proposal / Agreement	· ·	· ·	13-Oct-14 A 13-Oct-14 26-Mar-15 A 26-Mar-15	100%									10 Revi
2040	PMO Approved Agreement to Council for Approval			31-Mar-15 A 31-Mar-15	100%									
42050	Consultant Signed Agreement to City for Execution			05-May-15 A 05-May-15	100%									
Planning Phase		06-May-15 A	06-May-15	12-Feb-16 A 12-Feb-16	100%									
A2200	Planning Phase	06-May-15 A	06-May-15	12-Feb-16 A 12-Feb-16	100%									
ngineering Phase		24-Feb-16 A	24-Feb-16	03-Aug-16 A 03-Aug-16	100%									
2300	Engineering Phase			20-Jun-16 A 20-Jun-16	100%									
2400	SRF Approval of Contract Documents		1	03-Aug-16 A 03-Aug-16	100%									
onstruction Bidding Ph				24-Oct-16 A 24-Oct-16	100%									
x2500 x2600	Construction Bidding Phase SRF Administration Phase		-	27-Sep-16 A 27-Sep-16	100% 100%									
construction Phase	SKEAUIIIIIIsuauon Filase	· ·		24-Oct-16 A 24-Oct-16 10-Apr-17 A 10-Apr-17	100%									
2700	Construction Phase			10-Apr-17 A 10-Apr-17	100%									
dditional Evaluation	Construction Phase		13-Feb-16	· · ·	0%									
A8980	S. Chick PS Evaluation	13-Feb-16 A			0%									
A8990	Spring Creek PS Evaluation			28-Feb-18	0%									
arter Street Sewer I				28-Dec-16 A 28-Dec-16	100%					Carter	Street Sewer Reh	ab		┿
				28-Dec-16 A 28-Dec-16	100%					Carter	Street Sewer Reh	abilitation		
arter Street Sewer	Renabilitation									-				
roject Procurement				07-Sep-12 A 07-Sep-12	0%					•	Procurement		Decision	
Al1130	Previously Procured Consent Decree Projects			07-Sep-12 A 07-Sep-12	100%					Freviou	sly Procured Cor	isent Decree	Projects	
Planning Phase	Diagona Dhaog			19-Jan-16 A 19-Jan-16	100%									
Al1140 Al1150	Planning Phase SRF Facility Plan Approval			15-Jan-16 A 15-Jan-16	100% 100%									
			1	19-Jan-16 A 19-Jan-16 01-Apr-16 A 01-Apr-16	100%									
Engineering Phase	Engineering			18-Feb-16 A 18-Feb-16	100%									
AI1100 AI1170	SRF Approval of Contract Documents			01-Apr-16 A 01-Apr-16	100%									
Construction Bidding Ph				21-Jun-16 A 21-Jun-16	100%									
Al1180	Construction Bidding Phase			21-Jun-16 A 21-Jun-16	100%									
AI1190	SRFAdministration Phase			17-Jun-16 A 17-Jun-16	100%									
Construction Phase		24-Aug-16 A	24-Aug-16	28-Dec-16 A 28-Dec-16	100%									
Al1200	Construction Phase	-		28-Dec-16 A 28-Dec-16	100%									
BWWTP Control Re	oom Upgrade	30-Nov-15 A	30-Nov-15	26-Jul-18	80.81%									
IBWWTP Control F		30-Nov-15 A	30-Nov-15	26-Jul-18	80.81%									
	toom opgrades	30-Nov-15 A												
Project Execution	Project Execution				96.82%									
A4390	Project Execution	30-Nov-15 A		04-Jan-18 23-Nov-16 A 23-Nov-16	96.82% 100%									
Planning Phase A4400	Planning			23-Nov-16 A 23-Nov-16	100%									
Engineering Phase				23-NOV-16 A 23-NOV-16 15-May-17 A 15-May-17	100%									
		OU OULIUA	00 000-10		100 /8	i 1	- i i			- i				1 3

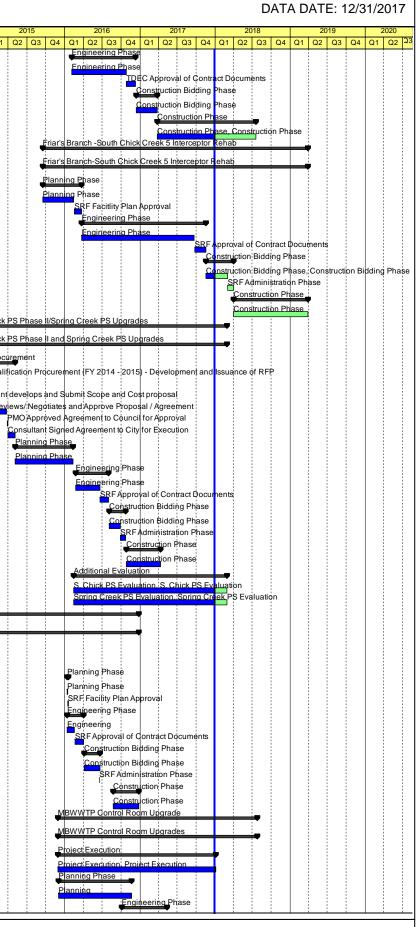
Critical Remaining W... Actual Level of Effort Baseline Milestone

ummary

Actual Work

Remaining Work

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



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	C6A02300-DEC17-UPD/ DECEMBER 2017 UPD/	AT / C6A02300 - ACTIVITY CODES 11x17 REPORT ATE	U																				DAT		ge 24 of 24 12/31/2017
Acti	ivity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %	009		2010	0	2011	2012	2013		20	14	2015	2016	20	17	201	18	2019	2020
							Complete	Q3 (Q4 Q1	Q2 (Q3 Q4 Q	Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3	Q4 0	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 23
	A4410	Engineering	05-Oct-16 A	05-Oct-16	15-May-1	7 A 15-May-17	100%													ngineering					
	Construction Bidding Phase	Se la	16-May-17 A	16-May-17	22-Dec-1	7 A 22-Dec-17	100%													Co	nstruction	Bidding Ph	iase		
	A4420	Construction Bidding Phase	16-May-17 A	A 16-May-17	22-Dec-1	7 A 22-Dec-17	100%													Co	nstructior	Bidding Ph	iase		
	Construction Phase		23-Dec-17 A	23-Dec-17	26-Jul-1	18	22.68%															Construction	n Phase		
	A4430	Construction Phase	23-Dec-17 A	23-Dec-17	26-Jul-1	18	22.68%															Constructio	n Phase, (Construction Pha	ase





Remaining Work

Critical Remaining W... Baseline Milestone

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

