

July 26, 2017

**VIA CERTIFIED MAIL** 

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

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

Dear Ms. Janovitz:

On behalf of the City of Chattanooga, Tennessee ("City"), and in accordance with the Consent Decree entered by the United States District Court for the Eastern District of Tennessee (Southern Division), on April 24, 2013, in the case styled the United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024 ("Consent Decree"), we are submitting to both the Environmental Protection Agency ("EPA") and the Tennessee Department of Environment and Conservation ("TDEC") the eighth semi-annual work progress report required pursuant to paragraph 39 of the Consent Decree. This report is also being submitted in accordance with the letter from Denise Diaz, dated September 16, 2013, establishing the dates for reporting under the Consent Decree.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Ms. Sara Janovitz July 26, 2017 Page Two

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

Sincerely,

Mila C. Bt

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

Enclosure

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

## Semi-Annual Work Progress Report No. 8



## January 1 – June 30, 2017

Prepared for

### Environmental Protection Agency and Tennessee Department of Environment and Conservation

City of Chattanooga Waste Resources Division Consent Decree Program Case No. 1:12-cv-00245

Prepared by

### **City of Chattanooga**

Waste Resources Division

Submitted by

JACOBS Jacobs Engineering Group Inc. Consent Decree Program Manager

Chattanooga, Tennessee

July 26, 2017

### Contents

1.0	Exec	utive Summary1
2.0	Intro	duction3
	2.1	Purpose
	2.2	Requirements
	2.3	Report Structure
3.0	Work	Progress4
	3.1	Capacity, Management, Operations and Management ("CMOM") Programs 4
		3.1.1 CMOM-Sewer Overflow Response Protocol ("SORP") (completed) 4
		3.1.2 CMOM-Emergency Response Plan (completed) 4
		3.1.3 CMOM-FOG Mgmt. Plan (completed) 4
		3.1.4 CMOM-Gravity Line Preventive Maintenance Program ("GLPMP")
		(completed)4
		3.1.5 CMOM-PS Operations Program ("PSOP") (completed) 4
		3.1.6 CMOM-PS Preventive Maintenance Program ("PSPMP") (completed) 4
		3.1.7 CMOM-Hydraulic Model Development (completed) 4
		3.1.8 CMOM-CAP (completed) 4
		3.1.9 CMOM-Inter-Jurisdictional Agreement Program (completed) 5
	3.2	Sanitary Sewer Evaluation Study ("SSES") Work Plan (completed) 5
		3.2.1 Focused SSES and Rehabilitation-Chattanooga Creek 4 5
		3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3 5
		3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1 5
		3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5 6
		3.2.5 Focused SSES and Rehabilitation-South Chickamauga Creek 16
		(completed)6
	3.3	Early Action Capital Improvement Projects 6
		3.3.1 SSO and Wet Weather Volume Reduction Projects
		3.3.2 MBWWTP Projects
		3.3.3 CSO Projects10
		3.3.4 Operations Projects11
	3.4	Long Term Control Plan ("LTCP") Updates11
		3.4.1 LTCP-Additional Operational Plan ("AOP")11
		3.4.2 LTCP-Post Construction Compliance Monitoring Program (completed)12
	3.5	MBWWTP Process Controls Program (completed)12
	3.6	Green Infrastructure ("GI") Program Plan for CSS Basins (completed)12
	3.7	Civil Penalty12
		3.7.1 Cash Payment (completed)12
		3.7.2 Highland Park GI Demonstration Project12
	3.8	Agawela Drive Stream Restoration – SEP13
	3.9	Reporting Requirements13

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

### Appendix

A Project Schedules Gantt Chart

#### Tables

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

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

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

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

#### Table 1-1

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

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

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming semi-annual period of January 1, 2017 through June 30, 2017. This information is also available in Gantt chart format in Appendix A.

#### Table 1-2

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

CD Projects and Deliverables	CD Reference	CD Deadline	Anticipated Submittal/ Completion Date
Quarterly Report No. 16	Section IX., para 38	7/31/2017	7/31/2017
Quarterly Report No. 17	Section IX., para 38	10/31/2017	10/31/2017
Semi-Annual Work Progress Report No. 8	Section IX., para 39	7/31/2017	7/31/2017
Focused Sanitary Sewer Evaluation Services ("SSES") and Rehab – Chattanooga Creek 4	Section VI, para 21	7/24/2020	November 2017
Focused SSES and Rehab – Dobb's Branch 3	Section VI, para 21	7/24/2020	6/19/2017
Focused SSES and Rehab – South Chickamauga Creek 5	Section VI, para 21	7/24/2020	November 2017
DuPont Pump Station ("PS") and Basin Improvements – Phase 1	Section VI, para 22	4/24/2018	August 2017
East Brainerd PS Rehabilitation	Section VI, para 22	4/24/2018	October 2017
Highland Park Sewer Rehabilitation	Section VI, para 22	4/24/2018	August 2017
Orchard Knob PS Improvements	Section VI, para 22	4/24/2018	July 2017
MBWWTP Telemetry and Supervisory Control And Data Acquisition ("SCADA") Upgrades	Section VI, para 22	4/24/2018	October 2017
Long Term Control Plan ("LTCP")-Additional Operational Plan	Section VI, para 24	10/24/2017**	October 2017
Agawela Drive Stream Restoration – Supplemental Environmental Project ("SEP")	Section VIII, para 31	4/24/2018	July 2017
Citico PS and CSOTF Upgrades	Section IX, para 39(c)	N/A	October 2017
South Chick PS Phase II and Spring Creek PS Upgrades	Section IX, para 39(c)	N/A	September 2017

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

### 2.1 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 August 18, 2016 and construction began February 6, 2017. Construction is scheduled to be complete in the second half of 2017.

#### 3.2.2 Focused SSES and Rehabilitation-Dobbs Branch 3

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The Dobbs Branch 3 sewer sub-basin consists of approximately 47,381 LF of sanitary sewer piping, ranging from 6-inch to 24-inch diameter. The NTP for professional services was issued April 19, 2013, and SSES investigations were completed for approximately 44,740 LF of sewer by October 4, 2013. The PER was submitted to the City on May 15, 2014 and approved May 16, 2014. Approximately 32,225 LF of sanitary sewer were designated for rehabilitation. The design was completed and submitted to TDEC on October 6, 2015 and approval was received from TDEC on October 30, 2015. Bidding began on December 1, 2015, and NTP for construction was issued April 27, 2016. Final completion of the original contract was met on May 7, 2017. Additional work to be added to the contract is currently being negotiated and construction is scheduled to be complete in the second half of 2017.

#### 3.2.3 Focused SSES and Rehabilitation-South Chickamauga Creek 1

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The South Chickamauga Creek 1 sewer sub-basin consists of approximately 81,809 LF of sanitary sewer piping, ranging from 4-inch to 84-inch diameter. The NTP for professional services was issued June 26, 2013, and SSES

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

#### 3.2.4 Focused SSES and Rehabilitation-South Chickamauga Creek 5

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The South Chickamauga Creek 5 sewer sub-basin consists of approximately 89,414 LF of sanitary sewer piping, ranging from 6-inch to 36-inch diameter. The NTP for professional services was issued April 18, 2013, and SSES investigations were completed for approximately 73,923 LF of sewer piping in 2014. The PER was submitted on January 8, 2015 and approximately 19,560 LF of sanitary sewer were recommended for rehabilitation. Final design was completed and the project was submitted to TDEC on November 7, 2016. Bidding began November 17, 2016 and construction began May 30, 2017. Construction is scheduled to be complete in the second half of 2017.

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

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

### 3.3 Early Action Capital Improvement Projects

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

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

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

<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 January 1, 2016 and the NTP for construction was issued March 17, 2016. Construction began April 15, 2017 and is expected to be complete in the second half of 2017.

<u>Phase 2</u> involves the design and construction of approximately 7.5 million gallons of wet weather storage and a new wet weather PS at the DuPont PS site. The project also includes a new diversion structure, standby generator, as well as the upsizing of a section of interceptor. The NTP for Phase 2 professional services was issued on June 24, 2015. Bidding began May 5, 2017, and construction is anticipated to begin in the second half of 2017.

#### 3.3.1.2 Collegedale PS Improvements (completed)

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

#### 3.3.1.3 East Brainerd Collection System and PS Rehabilitation

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

<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 30, 2015. Bids were received on May 7, 2015, and the contract was awarded on July 16, 2015. The NTP for the PS rehabilitation construction contract was issued August 10, 2015. The construction phase is scheduled to be complete in the second half of 2017.

#### 3.3.1.4 Altamont Sewer Basin and PS Improvements (completed)

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

#### 3.3.1.5 Pineville PS and Sewer Basin Improvements (completed)

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

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

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

#### 3.3.1.7 Highland Park Sewer Rehabilitation

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

#### 3.3.1.8 Citico CSOTF PS Improvement Study (completed)

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

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

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

#### 3.3.1.10 Enterprise South Industrial Park ("ESIP") PS, Force Main and Interceptor Upgrade (completed)

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

#### 3.3.1.11 Orchard Knob PS Improvements

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

#### 3.3.1.12 Friars Branch PS Improvements

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

#### 3.3.1.13 Friars Branch Basin Improvements

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

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

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

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

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

#### 3.3.1.16 East Bank/West Bank ("EB/WB") Flow Monitoring (completed)

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

#### 3.3.2 MBWWTP Projects

#### 3.3.2.1 MBWWTP Secondary Clarifier Valve Motor Operator Replacement (completed)

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

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

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

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

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

The MBWWTP Bar and Fine Screen Replacements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The purpose of this project is to design and construct a solution which will improve screening and overall capacity at the plant. The main features of this project include installing and upgrading the concrete channel, installing new bar screens, upgrading the motor control center panel, upgrading and replacing the screw conveyors, belt conveyor and slide gates, and updating the electrical and instrumentation design. The NTP for professional services was issued December 30, 2011. Final design documents were completed and submitted to TDEC for review on September 6, 2014 and approval was received October 20, 2014. Bidding began October 23, 2014, and the NTP for construction was issued on February 16, 2015. The substantial completion certificate for construction was submitted on December 19, 2016 and final completion was accepted June 30, 2017.

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

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

#### 3.3.3 CSO Projects

#### 3.3.3.1 Carter Street CSOTF Sewer Outfall Replacement (completed)

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

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

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

#### 3.3.4 Operations Projects

#### 3.3.4.1 South Chickamauga PS Reliability Improvements (completed)

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

#### 3.3.4.2 MBWWTP Telemetry and SCADA Upgrades

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

### 3.4 Long Term Control Plan ("LTCP") Updates

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

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

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

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

### 3.5 MBWWTP Process Controls Program (completed)

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

# 3.6 Green Infrastructure ("GI") Program Plan for CSS Basins (completed)

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

### 3.7 Civil Penalty

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

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

#### 3.7.1 Cash Payment (completed)

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

#### 3.7.2 Highland Park GI Demonstration Project

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

### 3.8 Agawela Drive Stream Restoration – SEP

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

### 3.9 Reporting Requirements

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

- Quarterly Reports, including detailed information on Chattanooga's SSOs, CSO discharges and bypasses at the MBWWTP;
- Semi-Annual Work Progress Reports, including CD deliverable milestones achieved in the last 6 months and projections for activities anticipated to be completed in the following 6 months; and
- Annual Reports, including trends and analyses of the results of the Chattanooga CD programs including CMOM and SSO reduction programs.

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

- Quarterly Reports 1 15;
- Semi-Annual Work Progress Reports 1 7, and
- Annual Report 1 4.

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

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

### 3.10 Stipulated Penalties

Paragraph 48 of the CD sets forth the nine categories of CD violations or milestones subject to stipulated penalties under the CD. On June 22, 2017, the United States made a demand for stipulated penalties in the amount of \$93,850 covering the period of July 1, 2014 through December 31, 2016 under the consent decree. The payment was made July 18, 2017.

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

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

### 4.1 201 Facility Plan Update (completed)

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

### 4.2 MBWWTP Backup Electrical Power (complete)

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

### 4.3 Citico PS and CSOTF Upgrades

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

### 4.4 South Chick PS Phase II and Spring Creek PS Upgrades

The South Chick PS Phase II and Spring Creek PS Upgrades project will evaluate and design additional reliability improvements for the South Chickamauga Creek PS, including replacement of the sluice gates and bar screens and rehabilitation of the PS wet well. This project will also evaluate and design improvements for the Spring Creek PS in order to meet or exceed the rated

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

### 4.5 Carter Street Sewer Rehabilitation (completed)

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

### 4.6 MBWWTP – Detritors Rehabilitation

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

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

This project involves the rehabilitation of portions of the collection system in the Friars Branch and South Chickamauga Creek 5 Sub Basins using trenchless technologies. Approximately 23,640 LF of gravity sewer line was identified for evaluation. Trenchless rehabilitation allows the City to conduct the repairs while limiting disturbances to the areas near the work site. The NTP for professional services was awarded on August 6, 2015 and SSES investigations were conducted on approximately 23,640 LF of sewer line. From the results of the SSES, approximately 9,469 LF of sanitary sewer, service pipeline, and associated manholes were designated to be rehabilitated. The PER was approved February 2, 2016 and the project is in the detailed design phase. Bidding is expected to commence in the second half of 2017.

### 4.8 MBWWTP-Control Room Upgrades

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

### 4.9 Citico PS Reliability Improvements

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

### 4.10 Brainerd Golf Course PS Safety Upgrade

This project involves making safety improvements to the East Brainerd Golf Course PS. This work includes the replacement and upgrade of the existing pumps, piping, valves, electrical and instrumentation equipment. The upgrades will allow the station to increase its capacity, performance and reliability and help to reduce SSOs in the area. The Request for Quotation ("RFQ") for professional services was issued on December 20, 2016, and it is anticipated that the planning and design phase will begin in the second half of 2017.

### 4.11 Wet Weather Combined Sewer Storage – Phase 1

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

### 4.12 MBWWTP Secondary Clarifier Upgrades and Additions

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

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

### 4.13 CSOTF Study (completed)

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

# Appendix A Project Schedules Gantt Chart

	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013	2	014		2015		2016			2017		201	8		2019	
	o Concert Decise Deliverships Calesdula	4466	26-Nov-08 A	26-Nov-08	28-Feb-21		Q2 Q3 Q4 Q	Q1 Q2	Q3 Q4	Q1 Q	2 Q3	Q4 Q1	Q2 C	Q3 Q4	Q1 Q	12 Q3	Q4 0	1 Q2	Q3 Q4	4 Q1	Q2 Q3	3 Q4
	a Consent Decree Deliverables Schedule		24-Apr-13 A		24-Apr-13 A	24-Apr-13	Program Mileston	es											_			
	ilestones	0	24-Apr-13 A		24-Apr-13 A		Program Mileston															
	lilestones	0	24-Apr-13 A		24-Apr-13 A		Consent Decree E		Date													
	Decree Effective Date MILESTONES		24-Apr-13 A		24-Apr-13 A		PROGRAM MILLES	STONES														
	Consent Decree Effective Date		24-Apr-13 A										Conse	ent Decre	e Effecti	tive Date						
tion II		30	24-Apr-13 A	24-Apr-13	24-May-13 A	24-May-13	Section II - Applica	ability					•									
	Applicability stribute CD		24-Apr-13 A		24-May-13 A		Para 5 - Distribute															
	Consent Decree		24-Apr-13 A		24-May-13 A	· · · ·		nt Diecre	el													
	consent Decree		24-Apr-13 A	1.1.1	24-May-13 A	1.1.1	Consent Decree D	Duration	(1 Month)													
	Distribute CD to All Entities/People Who Will Have Duties Associated with Compliance of CD		24-Apr-13 A		24-May-13 A		Distribute CD to A			vho Will H	lave Duti	es Asso	iated with	n Complia	ince of C	ср						
tion M	Deview / Certification of Deliverships	169	24-Apr-13 A	24-Apr-13	10-Oct-13 A	10-Oct-13	Section V - Review	w / Certi	fication of [	Deliverable	es											
	Review / Certification of Deliverables	169	24-Apr-13 A		10-Oct-13 A	10-Oct-13	Para 9 - Public Do	ocument	Repositor													
	Iblic Document Repository		24-Apr-13 A		10-Oct-13 A	10-Oct-13		Reposit	1 1													
	cument Repository		24-Apr-13 A	1.1.1	10-Oct-13 A			Duration	ľ.													
	cree Duration Set up PDR Before First Reviewable CD Submittal is Due		24-Apr-13 A		10-Oct-13 A	10-Oct-13	Set up PDR Befor		eviewable	CD Subm	nittal is D	ue										
		4251	26-Nov-08 A	26-Nov-08	27-Jul-20																	
	- Compliance Requirements	4251	24-Apr-13 A		27-301-20 25-Nov-13 A	25-Nov+13	Para 19 - Commu	nity Inpu	l Plan										-			
	Community Input Plan			24-Apr-13	25-Nov-13 A			Plan														
	ity Input Plan		24-Apr-13A	1	24-Nov-13 A			Duration														
	Consent Decree Duration	214		24-Apr-13	24-Nov-13 A		Consent Decree D	Duration														
	land Blan	215	24-Apr-13 A	24-Apr-13	25-Nov-13 A	25-Nov-13	Community Input	Plan														
	Input Plan Community Input Plan Submitted to WWRAB		25-Nov-13 A		25-Nov-13 A				nput Plan S	Submitted	to WWR	AB										
	Community Input Plan Development	214	24-Apr-13 A	24-Apr-13	24-Nov-13 A	24-Nov-13	Community Input	Plan De	velopment													
ra 20 - C			26-Nov-08 A		28-Sep-16 A		rerflow Response	Dratage	(CORD)					-								
	ewer Overflow Response Protocol (SORP)		15-Jul-12 A						(30hr)													
	cree Duration (7 Months) Consent Decree Duration Completion Milestone	216	24-Apr-13 A	24-Apr-13	25-Nov-13 A 25-Nov-13 A				tee Durati	1												
									7 Months		euon Mil	estone										
A0100	Consent Decree Duration (7 Months)		24-Apr-13 A		25-Nov-13 A	25-N0V-13	CONSERVOELIEE	Julauon	17 INIOITUIS	1												
oject Pro			15-Jul-12 A		15-Jul-12 A		ent															
A0200	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12																
lanning Pl			15-Jul-12 A	15-Jul-12	22-Oct-13 A	22-Oct-13	nning Phase															
	Planning Phase	235	01-Mar-13 A		22-Oct-13 A	22-Oct-13	Linuing Ethase															
A0010	Adminstration Period	229	15-Jul-12 A	15-Jul-12	28-Feb-13 A	28-Feb-13	riod															
	ument Repository	33	23-Oct-13 A	23-Oct-13	25-Nov-13 A	25-Nov-13			ent Reposi													
A2000	Submit Draft Deliverable to Reference Librarian	0	23-Oct-13 A	23-Oct-13	23-Oct-13 A	23-Oct-13	Submit	t Draft D	eliverable	to Referen	nce Libra	rian										
A2040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			25-Nov-13 A	25-Nov-13					Su	bmit Del	iverable to	DEPA, TE	EC and	d Provide	e notice 1	IO TCWN				
A2020	Public Review Period	31	24-Oct-13 A	24-Oct-13	24-Nov-13 A	24-Nov-13	Public	Review	Period		•											
	Public Comment Review Period	2	23-Nov-13 A	23-Nov-13	25-Nov-13 A	25-Nov-13			nent Revie	w Period												
A2030								onw of 5	aft Delive	rable on o	inte M.	ocito										
	Post Copy of Draft Deliverable on City's Website	0	23-Oct-13 A		23-Oct-13 A	23-Oct-13	· · · ·	1			-ny 5 VV 61	20180										
		192	26-Nov-13 A	26-Nov-13	05-Jun-14 A	05-Jun-14 05-Jun-14	EPA	and TD	C Approv		veid Della											
A2010 PA and TE	IEC Approvals Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)		30-May-14 A		05-Jun-14 A												Boostin	of Approv	al half the	20.1		

	SA-8 / C6A02300 - ACTIVITY CODES 11x17 REPORT U al Work Progress Report #8						Page DATA DATE: 31-
	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 2016 2017 2018 2019
40900	Place Copy of EPA and TDEC Submittal in PDR		26-Nov-13 A	26-Nov-13	04-Dec-13 A	04-Dec-13	Q2         Q3         Q4         Q1         Q2         Q3<
	EPA / TDEC Review		26-Nov-13 A		28-May-14 A		EPA/TDEC Review
40920	Address Comments for Final EPA / TDEC Approval	62	29-Mar-14 A	29-Mar-14	29-May-14 A	29-May-14	Address Comments for Final EPA/ TDEC Approval
IOM-E	Emergency Response Plan	1153	18-Oct-12 A	18-Oct-12	14-Dec-15 A	14-Dec-15	ergency Response Plan
	Decree Duration (19 Months)		24-Apr-13 A	24-Apr-13	24-Nov-14 A		Consent Decreb Durbtion 19 Months
30110	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14	Consent Decree Duration Completion Milestone
80100	Consent Decree Duration (19 Months)	580	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent Decrete Duration (19 Months)
	ocurement		18-Oct-12 A	18-Oct-12	01-Dec-12 A		curement
31020	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	ws/Negotiates and Approve Proposal / Agreement
B1030	PMO Approved Agreement to Council for Approval	18	18-Oct-12 A	18-Oct-12	04-Nov-12 A	04-Nov-12	ved Agreement to Council'Jor Approval
31040	Consultant Signed Agreement to City for Execution	14	18-Oct-12 A	18-Oct-12	31-Oct-12 A	31-Oct-12	Signed Agreement to City for Execution
31010	Consultant develops and Submit Scope and Cost proposal	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	develops and Submit Scope and Cost proposal
B1000	CD Pregualification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A		Ification Procurement (FY 2012 2018) Priority I Development and Issuance of RFP
anning F 32010	Phase Program Manager / Owner Review and Coordination	628 53	23-Jan-13 A 21-Aug-14 A	23-Jan-13 21-Aug-14	12-Oct-14 A 12-Oct-14 A	12-Oct-14 12-Oct-14	ing Phase Program Manager / Owner Review and Coordination
B2000	Planning Phase	575	23-Jan-13 A	23-Jan-13	20-Aug-14 A	20-Aug-14	
	cument Repository	40	12-Oct-14 A	12-Oct-14	20-Nov-14 A		Public Document Repository
B3000	Submit Draft Deliverable to Reference Librarian	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	Submit Draft Deliverable to Reference Librarian
B3040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			20-Nov-14 A	20-Nov-14	Submit Deliverable to EFA, TDEC and Previde notice to TCWN
B3020	Public Review Period	37	12-Oct-14 A	12-Oct-14	17-Nov-14 A	17-Nov-14	Public Review Period
33030	Public Comment Review Period	3	18-Nov-14 A	18-Nov-14	20-Nov-14 A	20-Nov-14	Public Comment Review Period
B3010	Post Copy of Draft Deliverable on City's Website	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	Post Copy of Draft Deliverable on City's Website
		-					FPA and TDFC Approvals
A and T 30930	TDEC Approvals Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	389	21-Nov-14 A 08-Dec-15 A	21-Nov-14 08-Dec-15	14-Dec-15 A 14-Dec-15 A	14-Dec-15 14-Dec-15	EHA and TDEC Approvals Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Appr
							Place Copy of EPAland TDEC Submittal in PDR
B0900	Place Copy of EPA and TDEC Submittal in PDR	4	21-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14	
30910	EPA / TDEC Review	112	21-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15	ERA/TÖEC Review
B0920	Address Comments for Final EPA / TDEC Approval	137	13-Mar-15 A	13-Mar-15	28-Jul-15 A	28-Jul-15	Address Comments for:Final:EPA/TDEC Approval
IOM-F	Fats, Oils, and Grease (FOG) Mgmt. Plan	880	15-Jul-12 A	15-Jul-12	12-Dec-14 A	12-Dec-14	and Grease (FOG) Mgmt;Plan
	Decree Duration (13 Months)	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration 13 Months)
20110	Consent Decree Duration Completion Milestone	0			27-May-14 A	27-May-14	Censerit Degree Duration Completion Milestone
C0100	Consent Decree Duration	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Conkent Decree Duration
oject Pr	ocurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	ent i i i i i i i i i i i i i i i i i i i
C1000	PM Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	
anning F	Phase	639	15-Jul-12 A	15-Jul-12	15-Apr-14 A	15-Apr-14	
C1020	Program Manager / Owner Review and Coordination	57	17-Feb-14 A	17-Feb-14	15-Apr-14 A		Program Manager (Owner Review and Coordination
21010	Planning Phase	159	10-Sep-13 A	10-Sep-13	16-Feb-14 A	16-Feb-14	Planning Phase
C1005	Adminstration Period	421	15-Jul-12 A	15-Jul-12	09-Sep-13 A		
	cument Repository		16-Apr-14 A		27-May-14 A		Public Dobument Repository Submit Draft Deliverable to Reference Librarian
C2000	Submit Draft Deliverable to Reference Librarian	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	10-Apr-14	

Summary Actual Level of Effort

Remaining Work

Level of Effort 

Baseline Milestone

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



	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
2040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			27-May-14 A	27-May-14	dz         d3         d4         d1         d2         d3<
2020	Public Review Period	30	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	Public Review Period
2030	Public Comment Review Period	9	18-May-14 A	18-May-14	27-May-14 A	27-May-14	Public Comment Review:Peridd
2010	Post Copy of Draft Deliverable on City's Website	0	16-Apr-14 A		16-Apr-14 A	16-Apr-14	PostCopy of Draft Deliverable on Citys Website
A and T :0930	DEC Approvals Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	198	28-May-14 A 12-Dec-14 A	28-May-14 12-Dec-14	12-Dec-14 A 12-Dec-14 A	12-Dec-14 12-Dec-14	EPA and TDEC A pirovals Submit Copy of Approved Deliverable in the FDR (within 7 days following:Receipt of Approval by EPA)
0900	Place Copy of EPA and TDEC Submittal in PDR	8	28-May-14 A	28-May-14	05-Jun-14 A	05-Jun-14	Place Copy of EPA and TDEC:Submittal in PDR
0910	EPA/TDEC Review	35	28-May-14 A	28-May-14	02-Jul-14 A	02-Jul-14	EPA/T0-EC Review
0920	Address Comments for Final EPA / TDEC Approval	162	03-Jul-14 A	03-Jul-14	12-Dec-14 A	12-Dec-14	Address Commons for Final EPA/ TDEC Approval
	Gravity Line Preventive Maint. Program	782	18-Oct-12 A	18-Oct-12	09-Dec-14 A	09-Dec-14	vity Line Preventive Maint-Program
	Decree Duration (13 Months)	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration (13 Months)
01120	Consent Decree Duration Completion Milestone	0			27-May-14 A	27-May-14	Consent Decree Duration Opmpletion Milestone
01110	Consent Decree Duration (13 Months)	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration (13 Months)
oject Pr	ocurement	97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	curement
01140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/Negotiates and Approve:Propesal / Agreement
01150	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	pproved Agreement to Council for Approval
D1160	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itani Signed Agreement to City for Execution
01130	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Int develops and Submit Scope and Cost proposal
							Ification Procurement (FY 2012 - 2018) Priority I Development and Issuance of RFP
01000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP		18-Oct-12 A	18-Oct-12	01-Dec-12 A		
anning I 01170	Phase Program Manager / Owner Review and Coordination	448	23-Jan-13 A 29-Mar-14 A		16-Apr-14 A 16-Apr-14 A	16-Apr-14 16-Apr-14	ing Phase Program Manager / Owner Review and Cookdination
01010	Planning Phase	429	23-Jan-13 A	23-Jan-13	28-Mar-14 A	28-Mar-14	ing Phase
blic Do	cument Repository Submit Draft Deliverable to Reference Librarian	34	17-Apr-14 A 17-Apr-14 A		21-May-14 A 17-Apr-14 A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Rublic Document Repository Submit Drift Deliverable to Reference Librarian
		-	17-Apr-14 A	17-Apr-14			
01060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			21-May-14 A	21-May-14	Submit Deliverable to EPA, TDEC and Provide notice to TCWN
01040	Public Review Period	30	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	Public Review Period
D1050	Public Comment Review Period	3	18-May-14 A	18-May-14	21-May-14 A	21-May-14	Public Comment Review:Peridd
01030	Post Copy of Draft Deliverable on City's Website	0	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17-Apr-14	Post Copy of Draft Deliverable on City's Website
A and T	DEC Approvals	201	22-May-14 A	22-May-14	09-Dec-14 A	09-Dec-14	EPA and TDEC Approvals
01100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	3		06-Dec-14	09-Dec-14 A	09-Dec-14	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)
D1070	Place Copy of EPA and TDEC Submittal in PDR	5	22-May-14 A	22-May-14	27-May-14 A	27-May-14	Place Cppy of EPA and TDEC Submittal in PDR
D1080	EPA/TDEC Review		22-May-14 A		07-Jul-14 A	07-Jul-14	EBA/TOEC Review
							Address Comments for Final EPA/ TDEC Approval
D1090	Address Comments for Final EPA / TDEC Approval	150	08-Jul-14 A	08-Jul-14		05-Dec-14	
	PS Operations and Preventive Maint. Programs	1099	18-Oct-12 A	18-Oct-12	22-Oct-15 A		Operations and Preventive Maint. Programs
nsent E	Decree Duration (19 Months) Consent Decree Duration Completion Milestone	580	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14 A	24-Nov-14 24-Nov-14	Consent Decree Duration 19 Months
							Consent Decree Duration Completion Milestorie
1110	Consent Decree Duration		24-Apr-13 A		24-Nov-14 A		
	ocurement		18-Oct-12 A	18-Oct-12	22-Jan-13 A		urement vie⊯s/Négotiates and ApprovePropesal / Agreement
3110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/ Negotiates and Approve.Propesal / Agreement
ATTANO	Critical Remaining W						

annual Work Progress Report #8							DATA DATE: 31-I
Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q	2016 2017 2018 2019 24 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4
PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	pproved Agreement to Council for Approval	
3130 Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution	
3100 Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Int develops and Submit Scope and Cost proposal	
1000 CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Procurement (FY 2012 - 2018) Priority I Develo	pment and Issuance of RFP
		24-Jan-13 A			12-Oct-14	hing Phase	
Inning Phase Program Manager / Owner Review and Coordination		30-Sep-14 A	30-Sep-14		12-Oct-14	Program Manager / Own	er Review and Coordination
1010 Planning Phase	613	24-Jan-13 A	24-Jan-13	29-Sep-14 A	29-Sep-14	ung Phase	
	36	13-Oct-14 A	13-Oct-14	18-Nov-14 A	18-Nov-14	Public Document Repos	sitory
Dic Document Repository Submit Draft Deliverable to Reference Librarian	0		13-Oct-14		13-Oct-14	Submit Draft Deliverable	
1060 Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			18-Nov-14 A	18-Nov-14	Submit Delivbrable to	D EPA, TDEC and Provide notice to TCWN
1040 Public Review Period	35	13-Oct-14 A	13-Oct-14		17-Nov-14	Public Review Period	
1050 Public Comment Review Period	0				18-Nov-14	Public Comment Revi	
1030 Post Copy of Draft Deliverable on City's Website	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14		erable on City's Website
A and TDEC Approvals		18-Nov-14 A			22-Oct-15	ERA and TDEC Appro	
1100 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	22-Oct-15 A	22-Oct-15	22-Oct-15 A	22-Oct-15		ubmit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approva
1070 Place Copy of EPA and TDEC Submittal in PDR	6	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14	Place Copy of EPAan	d TDEC Submittal in PDR
1080 EPA / TDEC Review	113	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15	EBA/TDEC Review	
1090 Address Comments for Final EPA / TDEC Approval	223	13-Mar-15 A	13-Mar-15	22-Oct-15 A	22-Oct-15	Address Comm	nents for Final EPA / TDEC Approval
OM-Hydraulic Model Development	2793	26-Nov-08 A	26-Nov-08	31-Jul-16 A	31-Jul-16		
nsent Decree Duration (37 Months)	1126	24-Apr-13 A	24-Apr-13	24-May-16 A		Consent Decree Duration (37 Months)	<b>→→→</b>
1120 Consent Decree Duration Completion Milestone	0			24-May-16 A	24-May-16		Consent Decree Duration Completion Milestone
1110 Consent Decree Duration	1126	24-Apr-13 A	24-Apr-13	24-May-16 A	24-May-16	Consent Decree Duration	
ject Procurement		26-Nov-08 A		26-Jan-09 A			
005 PM Procurement	62	26-Nov-08 A	26-Nov-08	26-Jan-09 A	26-Jan-09		
nning Phase			27-Jan-09	23-May-16 A			
1130 Program Manager / Owner Review and Coordination	23		30-Apr-16	23-May-16 A			Program Manager / Dwr er Review and Coordination
1010 Planning Phase	2639	27-Jan-09 A	27-Jan-09	30-Apr-16 A	30-Apr-16		
1006 Administration Period	2639	27-Jan-09 A	27-Jan-09	30-Apr-16 A	30-Apr-16		
Dic Document Repository		24-May-16 A		24-May-16 A			Public Document Repository
1141 Submit Draft Deliverable to Reference Librarian	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16		Submit Draft Deliverable to Reference Literarian
1145 Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			24-May-16 A	24-May-16		Submit Deliverable to EPA TDEC and Provide notice to TCWN
1143 Public Review Period	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16		Public Review Period
1144 Public Comment Review Period	0	24-May-16 A	24-May-16	24-May-16 A	24-May-16		Public Comment Review Period
1142 Post Copy of Draft Deliverable on City's Website	1	24-May-16 A	24-May-16	24-May-16 A	24-May-16		Post Copy of Draft Deliverable on City's Website
A and TDEC Approvals	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16		EPA and TDEC Approvals
1151 Notification of Completion to EPA, DEC, TCWN	0		31-Jul-16	31-Jul-16 A			Notification of Completion to EFA, DEC, TCWN
IOM-Capacity Assurance Program	1536	15-Jul-12 A	15-Jul-12	28-Sep-16 A	28-Sep-16	Assurance Program	
nsent Decree Duration (37 Months)	1126	24-Apr-13 A	24-Apr-13	24-May-16 A	24-May-16	Consent Decree Duration (37 Months)	
1120 Consent Decree Duration Completion Milestone	0			24-May-16 A	24-May-16		Consent Decree Duration Completion Milestone

Summary SEAL 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



annual Work Progress Report #8						Page DATA DATE: 31-
Activity Name	At Completion	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 2016 2017 2018 2019
1110 Consent Decree Duration		24-Apr-13 A	24-Apr-13	24-May-16 A	24-May-16	Q2         Q3         Q4         Q1         Q2         Q3<
		•				
ject Procurement 1000 PM Procurement	821	15-Jul-12 A 15-Jul-12 A	15-Jul-12 15-Jul-12	14-Oct-14 A 14-Oct-14 A	14-Oct-14 14-Oct-14	
Ining Phase Program Manager / Owner Review and Coordination		15-Jul-12 A 23-Dec-15 A	15-Jul-12 23-Dec-15	12-Apr-16 A 12-Apr-16 A	12-Apr-16 12-Apr-16	Program Manager / Owner Review and Coordination
Program Manager / Owner Review and Coordination		23-Dec-15 A	23-Dec-15	12-Apr-16 A	12-Apr-16	
1010 Planning Phase	434	15-Oct-14 A	15-Oct-14	22-Dec-15 A	22-Dec-15	Planhing Phase
1005 Administration Period	821	15-Jul-12 A	15-Jul-12	14-Oct-14 A	14-Oct-14	Miod
lic Document Repository	41	13-Apr-16 A	13-Apr-16	23-May-16 A	23-May-16	Public Document Repository
1020 Submit Draft Deliverable to Reference Librarian	0	13-Apr-16 A		13-Apr-16 A	13-Apr-16	Submit Draft Deliverable to Reference Librarian
1060 Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			23-May-16 A	23-May-16	Submit Deliverable to EPA, TDEC and Provide notice to TCWN
	-					Submit Deliverable D EFA, SDEC and Provide notice to IC Will Public Review Period
1040 Public Review Period	30	13-Apr-16 A	13-Apr-16	13-May-16 A	13-May-16	
1050 Public Comment Review Period	10	14-May-16 A	14-May-16	23-May-16 A	23-May-16	Public Comment Review Period
1030 Post Copy of Draft Deliverable on City's Website	0	13-Apr-16 A	13-Apr-16	13-Apr-16 A	13-Apr-16	Post Copy of Draft Deliverable on City's Website
A and TDEC Approvals	127	24-May-16 A	24-May-16	28-Sep-16 A	28-Sen-16	EPA and TDEC Approvals
1100 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)		21-Sep-16 A			28-Sep-16	Submit Copy of Approved Deliverable in the PDR (within 7 days followin
1070 Place Copy of EPA and TDEC Submittal in PDR	68	24-May-16 A	24-May-16	31-Jul-16 A	31- Jul-16	Place Copy of EPA and TDEC Submittal in PDR
		-				
1080 EPA/TDEC Review	28	24-May-16 A	24-May-16	21-Jun-16 A	21-Jun-16	EPA/TQEC Review
1090 Address Comments for Final EPA / TDEC Approval	90	22-Jun-16 A	22-Jun-16	20-Sep-16 A	20-Sep-16	Address Comments of Final EPA / TDEC Approval
OM-Inter-Jurisdictional Agreement Program	793	15-Jul-12 A	15-Jul-12	16-Sep-14 A	16-Sep-14	sdictional Agreement Program
Insert Decree Duration (13 Months)	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration (13 Months)
1120 Consent Decree Duration Completion Milestone	0			21-May-14 A		Consent Decree Duration Completion Milestone
1110 Consent Decree Duration	398	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	Consent Decree Duration
ject Procurement 1000 PM Procurement	0	15-Jul-12 A 15-Jul-12 A	15-Jul-12 15-Jul-12	15-Jul-12 A 15-Jul-12 A	15-Jul-12 15-Jul-12	
nning Phase 1130 Program Manager / Owner Review and Coordination	634	15-Jul-12 A 01-Feb-14 A	15-Jul-12 01-Feb-14		10-Apr-14 10-Apr-14	Probram Manager / Dwner Revjew and Coordination
1010 Planning Phase	322	16-Mar-13 A	16-Mar-13	31-Jan-14 A	31-Jan-14	anniho Pitase
1005 Administration Period	244	15-Jul-12 A	15-Jul-12	15-Mar-13 A	15-Mar-13	niod line line line line line line line line
plic Document Repository	35	16-Apr-14 A	16-Apr-14	21-May-14 A	21-May-14	Public Document Repository
1020 Submit Draft Deliverable to Reference Librarian	0	16-Apr-14 A	16-Apr-14		16-Apr-14	Subthit Draft Deliverable to Reference Librarian
1060 Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			21-May-14 A	21-May-14	Sybmit Deliverable to EPA, TQEC and Provide notice to TCWN
		47 4 44 *	47.4 44			Submit Deliverable to EPA, 19EC and Provide notice to 1CVVN Public Review Period
1040 Public Review Period	30	17-Apr-14 A		17-May-14 A		
1050 Public Comment Review Period	3	18-May-14 A	18-May-14	21-May-14 A	21-May-14	Public Comment Réview:Period
1030 Post Copy of Draft Deliverable on City's Website	0	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	Post Copy of Draft Deliverable on Citys Website
A and TDEC Approvals	117	22-May-14 A	22-May-14	16-Sep-14 A	16-Sep-14	ERA and TDEC Approvals
1100 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	16-Sep-14 A	16-Sep-14	16-Sep-14 A	16-Sep-14	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)
1070 Place Copy of EPA and TDEC Submittal in PDR	5	22-May-14 A	22-May-14	27-May-14 A	27-May-14	Pláce Cppy of EPA and TDEC Submittal in PDR
1080 EPA / TDEC Review	117	22-May-14 A	22-May-14	16-Sep-14 A	16-Sep-14	ERA/TDEC Review
1090 Address Comments for Final EPA / TDEC Approval	0	16-Sep-14 A	16-Sep-14	16-Sep-14 A	16-Sep-14	Address Comments for Final EPA / TDEC Approval

Summary Actual Level of Effort Actual Work Remaining Work

Critical Remaining W... Baseline Milestone



Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013	1 01	2014	04 01	2015	2 04	20	Q3 Q4 C	2017	2 04 0	2018 21 Q2 Q3	2 04 01	2019	
21 - Sanitary Sewer Evaluation Study (SSES) Work Plan		5-Mar-11 A	25-Mar-11	27-Jul-20		SES) Work P	lan	42 43		42 6	13 44	41 42	43 44 6			<u>, uz u</u> a		42 43	Q4
ES Work Plan	1100 1	15-Jul-12 A	15-Jul-12	20-Jul-15 A	20-Jul-15														
Isent Decree Duration (19 Months)	579 2	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent De	cree Dura	ition (19 N	(onths)										
120 Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14				Con	sent Decr	ee Durati	on Compl	tion Mileston	e					
110 Consent Decree Duration	579 2	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent De	cree Dura	tion											
			15-Jul-12			lent													
ject Procurement D00 PM Procurement		15-Jul-12 A 15-Jul-12 A	15-Jul-12	15-Jul-12 A 15-Jul-12 A	15-Jul-12 15-Jul-12														
Inning Phase Program Manager / Owner Review and Coordination		15-Jul-12 A 2-Sep-14 A	15-Jul-12 12-Sep-14	16-Oct-14 A 16-Oct-14 A	16-Oct-14 16-Oct-14				Rrogram N	lanager /	Owner Re	view and	Coordination						
010 Planning Phase	605 1	5-Jan-13 A	15-Jan-13	11-Sep-14 A	11-Sep-14	ing Phase		_											
005 Administration Phase	184 1	15-Jul-12 A	15-Jul-12	14-Jan-13 A	14-Jan-13	lase													
lic Document Repository	34 1	17-Oct-14 A	17-Oct-14	20-Nov-14 A	20-Nov-14				Public D	ocument l	Repositor	у							
020 Submit Draft Deliverable to Reference Librarian	0 1	7-Oct-14 A	17-Oct-14	17-Oct-14 A	17-Oct-14							Reference	Librarian						
060 Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			20-Nov-14 A	20-Nov-14	-			Subm	it Deliver	able to E		nd Provide n	otice to TCW	/NE				
		0 Oct 4 4 4	18 Oct 14						Public R	1.1.1									
040 Public Review Period		8-Oct-14 A	18-Oct-14	17-Nov-14 A	17-Nov-14				÷ 1	1 1									
2050 Public Comment Review Period	0 1	8-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14				Public	Commen	t Review	Period							
030 Post Copy of Draft Deliverable on City's Website	0 1	7-Oct-14 A	17-Oct-14	17-Oct-14 A	17-Oct-14				PostCop	oy of Draft	Delivera	ble on City	s Website						
and TDEC Approvals	241 2	1-Nov-14 A	21-Nov-14	20-Jul-15 A	20-Jul-15				EPAa		Approval								
D90 TDEC Review and Approval			21-Nov-14	12-Mar-15 A	12-Mar-15					Review a		val							
100 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	6 1	14-Jul-15 A	14-Jul-15	20-Jul-15 A	20-Jul-15	_				s	ubmit Co	ov of Appre	ved Deliveral	ble in the PD	R (within '	7 days follov	ving Receipt	of Approv:	alby FF
																1	5		171
092 Revise Submittal Documents	52 1	3-Mar-15 A	13-Mar-15	04-May-15 A	04-May-15					Revise S	uomittai	ocuments							
070 Place Copy of EPA and TDEC Submittal in PDR	3 2	1-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14				Place	Copy of E	PA and T	DEC Subr	ittal in PDR						
996 Final TDEC Review and Approval	34 0	19-Jun-15 A	09-Jun-15	13-Jul-15 A	13-Jul-15	_				Eina	I TDEC	eview an	Approval						
094 Final EPA Review and Approval	34 0	5-May-15 A	05-May-15	08-Jun-15 A	08-Jun-15					Einall	EPA Revi	ew and Ap	proval						
						_			-	eview and									
080 EPA Review and Approval	111 2	1-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15				EHAR	eview and	Approve	u							
used SSES and Rehab - Chattanooga Creek 4	2785 1	2-Dec-12 A	12-Dec-12	27-Jul-20		d SSES and	Rehab - C	Chattanoo	oga Creek	4		_			<u> </u>	$\rightarrow$	+	—	—
sent Decree Duration (87 Months)	2652 2	24-Apr-13 A	24-Apr-13	27-Jul-20		Consent De	cree Dura	ition (87 N	Months)	++		_			<u> </u>	$\rightarrow$	++-	<u> </u>	—
120         Consent Decree Duration Completion Milestone           110         Consent Decree Duration	2652 2	24-Apr-13 A	24-Apr-13	27-Jul-20* 27-Jul-20*		Consent De	cree Dura	tion. Con:	sent Decre	e Duratio	n								
																			1
Procurement           030         PMO Reviews/ Negotiates and Approve Proposal / Agreement		2-Dec-12 A	12-Dec-12 02-Mar-13	18-Apr-13 A 15-Mar-13 A	18-Apr-13 15-Mar-13	Procuremen O Reviews/		is and Apr	prove Pron	oosal / Aqr	reement								
040 PMO Approved Agreement to Council for Approval	7 1	6-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	IO Approve	Agreeme	sint to COU	ALCII IOL AD	htongi									
050 Consultant Signed Agreement to City for Execution	27 2	3-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Bi	gned Agre	ement to	Çity for Ex	ecution									
020 Consultant develops and Submit Scope and Cost proposal	14 1	6-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant deve	lops and s	Submit So	cope and (	Cost propo	osal								
010 CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66 1	2-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	qualification	Procurem	ent (FY 2	012 - 2013	3):Priority	ll - Devela	opment an	d Issuance of	RFP					
						PlanningPl													
Ining Phase SRF Facility Plan Approval		29-Apr-13 A 24-Oct-13 A	29-Apr-13 24-Oct-13	22-Apr-14 A 22-Apr-14 A			RF Facilit	V Plan An	peroval										
								r in p											
010 Planning Phase	358 2	29-Apr-13 A	29-Apr-13	22-Apr-14 A	22-Apr-14	Planning Pl	nase	•											
ineering Phase	728 1	11-Jul-14 A	11-Jul-14	08-Jul-16 A	08-Jul-16			Engi	ineering P	hase									
030 SRF Approval of Contract Documents	101 2	9-Mar-16 A	29-Mar-16	08-Jul-16 A	08-Jul-16							SRE	pproval of Co	ontract Docu	iments				
				1					;	: :	;	;	; ;					<u></u>	<u> </u>

	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
020	Engineering	627	11-Jul-14 A	11-Jul-14	28-Mar-16 A	28-Mar-16	
struct	on Bidding Phase	198	09-Jul-16 A	09-Jul-16	23-Jan-17 A	23-Jan-17	Construction Bidding Phase
010	SRF Adminstration Period	31	01-Nov-16 A	01-Nov-16	02-Dec-16 A	02-Dec-16	SRFAdminstration Period
000	Construction Bidding Phase	198	09-Jul-16 A	09-Jul-16	23-Jan-17 A	23-Jan-17	Construction Bidding Phase
struct	on Phase	274	06-Feb-17 A	06-Feb-17	06-Nov-17		Construction Phase
000	Construction Phase	274	06-Feb-17 A	06-Feb-17	06-Nov-17		Construction Phase Construction Phase
ect Co	mpletion Report	0	07-Nov-17		07-Nov-17		Project Completion Report
90	Project Completion Report	0	07-Nov-17		07-Nov-17		Project Completion Report EPA and TDEC Approvals
	DEC Approvals Notification of Completion to EPA, TDEC, TCWN	0	07-Nov-17 07-Nov-17		07-Nov-17 07-Nov-17		PPA and IDEC Approvals Notification of Completion to EPA, TDEC, TCWN
	SSES and Rehab - Dobb's Branch 3	2785	12-Dec-12 A	12-Dec-12	27-Jul-20		t SSES and Rehab - Dobb's Branch 3
isent D	ecree Duration (87 Months)	2652	24-Apr-13 A	24-Apr-13	27-Jul-20		Consent Decrep Duration (87 Months)
050	Consent Decree Duration Completion Milestone Consent Decree Duration	0 2652	24-Apr-13 A	24-Apr-13	27-Jul-20* 27-Jul-20		Consent Decree Duration Consent Decree Duration
							Producement
ject Pr 110	ocurement PMO Reviews/ Negotiates and Approve Proposal / Agreement		12-Dec-12 A 02-Mar-13 A	12-Dec-12 02-Mar-13	18-Apr-13 A 15-Mar-13 A	18-Apr-13 15-Mar-13	O Reviews/ Negotiates and Approve Proposal / Agreement
120	PMO Approved Agreement to Council for Approval		16-Mar-13 A		22-Mar-13 A	22-Mar-13	IO Approved Agreement to Council for Approval
130	Consultant Signed Agreement to City for Execution	26	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	bnsultant Signed Agreement to Çity for Execution
100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant develops and Subrhit Scope and Cost proposal
090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	ualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP
nning F	Phase	564	19-Apr-13 A	19-Apr-13	04-Nov-14 A	04-Nov-14	Planning Phase
060	SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14	SRE Facility Plan Approva
000	Planning Phase	564	19-Apr-13 A	19-Apr-13	04-Nov-14 A	04-Nov-14	Plartning Phase
ineerii	ng Phase	357	05-Nov-14 A	05-Nov-14	28-Oct-15 A	28-Oct-15	Engineering Phase
020	SRF Approval of Contract Documents	20	08-Oct-15 A	08-Oct-15	28-Oct-15 A	28-Oct-15	SRF Approval of Contract Documents
1010	Engineering	357	05-Nov-14 A	05-Nov-14	28-Oct-15 A	28-Oct-15	Engineering
struct	on Bidding Phase	138	29-Oct-15 A	29-Oct-15	14-Mar-16 A	14-Mar-16	Construction Bidding Phase
2000	SRFAdminstration Period		24-Feb-16 A		14-Mar-16 A	14-Mar-16	SRF Administration Period
070	Construction Bidding Phase	118	29-Oct-15 A	29-Oct-15	23-Feb-16 A	23-Feb-16	Construction Bidding Phase
		565	15-Mar-16 A	15 Mar 16	30-Sep-17		.Construction Phase
15truct 1080	on Phase Construction Phase	565	15-Mar-16 A	15-Mar-16	30-Sep-17		Constituction Phase Construction Phase
	mpletion Report	0	01-Oct-17		01-Oct-17		Project Completion Report
100	Project Completion Report	0	01-Oct-17		01-Oct-17		Project Completion Report
and T	DEC Approvals	0	01-Oct-17 01-Oct-17		01-Oct-17 01-Oct-17		EPA and TDEC Approvals Notification of Completion to EPA, TDEC, TCWN
	Notification of Completion to EPA, TDEC, TCWN SSES and Rehab - South Chick Creek 1	0 2785	01-Oct-17 12-Dec-12A	12-Dec-12	01-Oct-17 27-Jul-20		d SSES and Rehab - South Chick Creek 1
	ecree Duration (87 Months)	2652	24-Apr-13 A	24-Apr-13	27-Jul-20		Consent Decree Duration (87 Months)
050	Consent Decree Duration Completion Milestone	0	04.4- 10.5	04.442	27-Jul-20*		Consent Berree Duration Condent Decree Duration
040	Consent Decree Duration		24-Apr-13 A		27-Jul-20		
j <mark>ect Pr</mark> 110	Deurement	128	12-Dec-12 A 02-Mar-13 A	12-Dec-12 02-Mar-13	18-Apr-13 A 15-Mar-13 A	18-Apr-13 15-Mar-13	Produrement O Réviews/ Negotiates and Approve Proposal / Agreement
	PMO Reviews/ Negotiates and Approve Proposal / Agreement						
120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	NO Approved Agreement to Council for Approval
130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Signed Agreement to Çity for Execution
100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant develops and Submit Scope and Cost proposal
TIMO	Critcal Remaining W						

)2300-SA-8 / C6A02300 - ACTIVITY CODES 11x17 REPORT U -annual Work Progress Report #8						Page DATA DATE: 31
Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 2016 2017 2018 2019
L1090 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	Q2         Q3         Q4         Q1         Q2         Q3<
Inning Phase	828	26-Jun-13 A	26-Jun-13 26-Jun-13		01-Oct-15 01-Oct-15	Planning Phase
1000 Planning Phase	828	26-Jun-13 A	26-Jun-13	01-Oct-15 A	01-Oct-15	
gineering Phase		11-Feb-15 A		02-Jun-17		Engineeking Phase
1020 SRF Approval of Contract Documents	177	08-Dec-16 A	08-Dec-16	02-Jun-17		SRF Approval of Qontract Documents, SRF Approval of Qontract D
1010 Engineering	665	11-Feb-15 A	11-Feb-15	07-Dec-16 A	07-Dec-16	Engineering
nstruction Bidding Phase	212	29-Dec-16 A	29-Dec-16	28-Jul-17		
1075 SRF Adminstration Period	8	21-Jul-17		28-Jul-17		SRF.Adminstration Period
1070 Construction Bidding Phase	204	29-Dec-16 A	29-Dec-16	20-Jul-17		Construction Bidding Phase Construction Bidding Phase
nstruction Phase	213	29-Jul-17		26-Feb-18		Construction Phase
1080 Construction Phase	213			26-Feb-18		Construction Phase
ject Completion Report	0			27-Feb-18		Project Completion Report
110 Project Completion Report		27-Feb-18		27-Feb-18		Project Completion Report EPA and TDEC Approvals
A and TDEC Approvals 1030 Notification of Completion to EPA, TDEC, TCWN	0	27-Feb-18 27-Feb-18		27-Feb-18 27-Feb-18		Notification of Completion to EPA, TDE
cused SSES and Rehab - South Chick Creek 5	2785		12-Dec-12	27-Feb-18 27-Jul-20		t SSES and Rehab - South Chick Creek 5
nsent Decree Duration (87 Months)		24-Apr-13 A		27-Jul-20		Consent Decree Duration (87 Months)
1050 Consent Decree Duration Completion Milestone	0	217491-1071	2174710	27-Jul-20*		
11040 Consent Decree Duration	2652	24-Apr-13 A	24-Apr-13	27-Jul-20*		Consent Decree Duration Consent Decree Duration
ject Procurement	128	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	Procurement
11110 PMO Reviews/ Negotiates and Approve Proposal / Agreement		02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	O Reviews/ Negotiates and Approve Proposal / Agreement
						IO Approved Agreement to Council for Approval
11120 PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	
11130 Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Bigned Agreement to \$ity for Execution
11100 Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant develops and Submit Scope and Cest preposal
						ualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP
1090 CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	
nning Phase		03-Jun-13 A		13-Feb-15 A		Planning Phase
11060 SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14	SRE Facility Plan Approva
11000 Planning Phase	620	03-Jun-13 A	03-Jun-13	13-Feb-15 A	13-Feb-15	Plannido Phase
nineering Bhase	728	13-Feb-15 A	13-Feb-15	10-Feb-17 A	10-Feb-17	Engineering Phase
gineering Phase 11020 SRF Approval of Contract Documents	94	08-Nov-16 A	08-Nov-16	10-Feb-17 A	10-Feb-17	SREApproval of Contract Documents
			10.5.1.15			
11010 Engineering	642	13-Feb-15 A	13-Feb-15	16-Nov-16 A	16-Nov-16	
nstruction Bidding Phase	141			29-Mar-17 A		Construction Bidding Phase
11075 SRF Adminstration Period	13	16-Mar-17 A	16-Mar-17	29-Mar-17 A	29-Mar-17	SRFAdminstration Period
11070 Construction Bidding Phase	127	08-Nov-16 A	08-Nov-16	15-Mar-17 A	15-Mar-17	Construction Bidding Phase
		30-May-17 A		14-Nov-17		
Instruction Phase Instruction	169			14-Nov-17 14-Nov-17		Chastriction Phase
ject Completion Report	0			15-Nov-17		Project Completion:Report Project Completion:Report
120 Project Completion Report A and TDEC Approvals	0			15-Nov-17 15-Nov-17		EPA and TDEC Approvals
11030 Notification of Completion to EPA, TDEC, TCWN	0			15-Nov-17		Natification of Completion to EPA, TDEC, TCV
cused SSES and Rehab - South Chick Creek 16	3413	25-Mar-11 A	25-Mar-11	27-Jul-20		k16
nsent Decree Duration (87 Months)	2652	24-Apr-13 A	24-Apr-13	27-Jul-20		Consent Decree Duration (87 Months)
1050 Consent Decree Duration Completion Milestone	0			27-Jul-20*		
11040 Consent Decree Duration	2652	24-Apr-13 A	24-Apr-13	27-Jul-20*		Consent Decrete Duration : Consent Decrete Duration :
oject Procurement	1	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	remént

SEAL SEAL

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

Actual Work Remaining Work



	Activity Name	At Completion	Start	Actual Start	Finish	Actual Finish	201	3		2014		2015	_		2016		2017		2018	_	20	9	
N1090	Previously Procured Consent Decree Projects		07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	Q2 DCURE	Q3 Q d Conse	4 Q1 ent Dec	Q2 Q3 cree Project	Q4 Q1	I Q2 C	13 Q4	Q1 (	2 Q3 (	Q4 Q1 0	Q2 Q3 C	<u>24</u> Q1	Q2 Q3	3 Q4 1	Q1 Q2	Q3 Q4	4
inning F	haro	797	25-Mar-11 A	25-Mar-11	30-May-13 A	30-May-13																	
	SRF Facility Plan Approval	201	07-Sep-12 A		26-Mar-13 A	11 1 <b>2</b> 12	lan A	pproval															
1000	Planning Phase	797	25-Mar-11 A	25-Mar-11	30-May-13 A	30-May-13	-L																
•	ng Phase SRF Approval of Contract Documents	497	27-Mar-12 A 30-Mar-13 A	27-Mar-12 30-Mar-13	06-Aug-13 A 06-Aug-13 A		REA	proval	ofCon	tract Docun	nents												
							_																
1010	Engineering		27-Mar-12 A		29-Mar-13 A																		
	ion Bidding Phase SRFAdminstration Period				02-Mar-14 A 02-Mar-14 A	02-Mar-14		Constr		Bidding Ph Adminstrati													
11070	Construction Bidding Phase	132	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13		Constr	ruction	Bidding Ph	ase												
	ion Phase		03-Mar-14 A		15-Dec-15 A	15-Dec-15			4	Constructio	n Phase Phase												
1080	Construction Phase	652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15				onstructio	Phase		-										
	mpletion Report		30-Nov-15 A		15-Dec-15 A								₽		mpletion F								
2130	Project Completion Report	15	30-Nov-15 A	30-Nov-15	15-Dec-15 A	15-Dec-15							1.7		mpletion F								
	DEC Approvals		30-Nov-15 A		15-Dec-15 A										DEC Appr								
1030	Notification of Completion to EPA, TDEC, TCWN	15	30-Nov-15 A	30-Nov-15	15-Dec-15 A	15-Dec-15							Ň	lotificatio	n df Compl	letion to EP	A TDEC T	CWN					
a 22 -	Early Action Capital Improvement Projects	3507	01-Apr-09 A	01-Apr-09	18-Nov-18			_			_		_		_			<u> </u>					
) and	Wet Weather Volume Reduction Projects	3379	01-Apr-09 A	01-Apr-09	13-Jul-18				_			-	_					<b>_</b>					
Pont	PS and Basin Improvements - Phase 1		12-Dec-12 A		24-Apr-18				_	vements -			_					<b></b>	-				
	ecree Duration (60 Months)		24-Apr-13 A	24-Apr-13	24-Apr-18		Cons	ent Dec	cree Du	ration (60 M	/onths)		_					<u> </u>	-				
N1050 N1040	Consent Decree Duration Completion Milestone Consent Decree Duration	0	24-Apr-13 A	24-Apr-13	24-Apr-18* 24-Apr-18		Cons	ent Dec	cree Du	ration. Con	sent Decre	e Duratio	n						Consen	nt Decree	Duration	Completi	ion I
		407	10 Dec 404	10 Dec 10	18-Apr-13 A	10.4 10	Prog	rement											T				
oject Pro 11110	Ocurement PMO Reviews/ Negotiates and Approve Proposal / Agreement		12-Dec-12 A 02-Mar-13 A	12-Dec-12 02-Mar-13	15-Mar-13 A			views/ N		tes and Ap	prove Prop	oosal / Agr	eement										
1120	PMO Approved Agreement to Council for Approval	6	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	IO An	proved	Adree	ment to Cou	ncil for Ap	proval											
1130	Consultant Signed Agreement to City for Execution	26	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsui	tant Sig	jnea Ag	reement to	Gity for Ex	ecution											
1100	Consultant develops and Submit Scope and Cost proposal	13	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultar	nt devel	lops an	d Submit S	cope and (	Cost propo	osal										
1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	qualifi	cation F	Procure	ernent (FY 2	012 - 2013	3) Priority	ll - Devel	lopment	and Issuar	ice of RFP							
nnina F	Phase	765	10-Feb-13A	10-Feb-13	16-Mar-15 A	16-Mar-15	ning	Phase															
1060	SRF Facility Plan Approval	74	02-Jan-15 A	02-Jan-15	16-Mar-15 A	16-Mar-15					SRF	Facility F	lan App	oval									
1000	Planning Phase	690	10-Feb-13 A	10-Feb-13	01-Jan-15 A	01-Jan-15	ning	Phase															
aincor	ng Phase	903	02-Apr-14 A	02-Apr-14	02-Dec-15 A	02-Dec-15				Engineeri	ng Phase												
1020	SRF Approval of Contract Documents		24-Aug-15 A	24-Aug-15	02-Dec-15 A								SREAP	proval o	Contract [	Documents							
1010	Engineering	508	02-Apr-14 A	02-Apr-14	23-Aug-15 A	23-Aug-15	-			Engineeri													
					, i i i i i i i i i i i i i i i i i i i	, , , , , , , , , , , , , , , , , , ,							•	onstruct	ion Bidding	Phase							
nstruct	ion Bidding Phase SRFAdminstration Period	133	03-Dec-15 A 16-Mar-16 A	03-Dec-15 16-Mar-16	14-Apr-16 A 14-Apr-16 A	14-Apr-16 14-Apr-16							*			ation Perior	d						
	Construction Bidding Phase			03-Dec-15	15-Mar-16 A								~	1 7	ion Bidding								
10/0						13-War-16																	
	ion Phase Construction Phase	504 504	15-Apr-16 A 15-Apr-16 A	15-Apr-16 15-Apr-16	31-Aug-17 31-Aug-17										onstruction		onstruction I	Phase					
1000				13-Mp1-10																			
	Project Completion Report		31-Aug-17		31-Aug-17												Proj	oject Comp oject Comp	pletion Re				
	DEC Approvals		31-Aug-17 31-Aug-17		31-Aug-17 31-Aug-17													A and TDE					
	Notification of Completion to EPA, TDEC, TCWN		31-Aug-17		31-Aug-17												Npti	tification o	of Comple	tion to EF	PA, TDEC	TCWN	

	I Work Progress Report #8	At Completion	Start	Actual Start	Finish	Actual Finish	DATA DATE: 31- 2013 2014 2015 2016 2017 2018 2019
		Duration 2015	18-Oct-12 A	18-Oct-12	24-Apr-18		Q2 Q3 Q4 Q1 Q2 Q3 Q1
	dale PS Improvements		24-Apr-13 A		24-Apr-18 24-Apr-18		Consent Pecree Duration (60 Months)
AC1050	Decree Duration (60 Months) Consent Decree Duration Completion Milestone	0	24-Api-13 A	24-Apr-13	24-Apr-18*		Corsent Decree Dutation Completi
AC1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*		Consent Decree Duration. Consent Decree Duration
roject Pr	ocurement	97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	curement
C1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/Négotiates and Approve'Proposal /Agreement
C1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	pproved Agreement to Council for Approval
C1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution
							Int develops and Submit Scope and Cost proposal
C1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A			11-Dec-12	
C1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	lification Procurement (FY 2012 - 2013) Priority I Development and Issuance of RFP
anning I	Phase	765	10-Feb-13A	10-Feb-13	16-Mar-15 A	16-Mar-15	nind Phaşe
C1060	SRF Facility Plan Approval	509	24-Oct-13 A	24-Oct-13	16-Mar-15 A	16-Mar-15	SRF Facility Plan Approval
C1000	Planning Phase	764	10-Feb-13 A	10-Feb-13	16-Mar-15 A	16-Mar-15	nind Phase
naineerii	ng Phase	973	02-Apr-14 A	02-Apr-14	30-Nov-16 A	30-Nov-16	Engineering Phase
C1010	Engineering	973	02-Apr-14 A			30-Nov-16	Engineering
oiect Co	per per la completion Report	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Project Completion Report
12290	Project Completion Report	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Project:Completion Report
PA and T	DEC Approvals	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	EPA and TDEC Approvals
	Notification of Completion to EPA, TDEC, TCWN	0	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	Nptification of Completion to EPA, TDEC TCWN
et Bra	inerd Collection Sys. and PS Rehab	2587	26-Mar-11 A	26-Mar-11	24-Apr-18		
	Decree Duration (60 Months)	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Consent Decree Duration (60 Months)
X1050	Consent Decree Duration Completion Milestone	0			24-Apr-18*		Consent Decree Duration Completi
X1040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*		Consent Decrete Duration Consent Decrete Duration
oject Pr	ocurement	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A		rement i i i i i i i i i i i i i i i i i i i
X1090	Previously Procured Consent Decree Projects	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	pcured Consent Decree Projects
anning I	Phase	796	26-Mar-11 A	26-Mar-11	30-May-13 A	30-May-13	
X1060	SRF Facility Plan Approval	201	07-Sep-12 A	07-Sep-12	26-Mar-13 A	26-Mar-13	lan Approval
X1000	Planning Phase	796	26-Mar-11 A	26-Mar-11	30-May-13 A	30-May-13	
ollection	System	333	07-Sep-12 A	07-Sep-12	06-Aug-13 A	06-Aug-13	sterri,
X1100	SRF Approval of Contract Documents - Collction System	129	30-Mar-13 A	30-Mar-13	06-Aug-13 A	06-Aug-13	RF Approval of Contract Documents - Collction System
X1015	Engineering - Collection System	203	07-Sep-12 A	07-Sep-12	29-Mar-13 A	29-Mar-13	Collection System
ump St-	lion	1445	10-Jan-12 A	10-Jan-12	29-Jan-15 A	29-Jap-15	
x1020	SRF Approval of Contract Documents - Pump Station		02-Aug-14 A		29-Jan-15 A		SREApptrval of Contract Documents - Pump Station
X1010	Engineering - Pump Station	934	10-Jan-12 A		01-Aug-14 A	01-Aug-14	
							Collection System
ollection X2020	SRFAdminstration Period - Collection System	207	07-Aug-13 A 18-Dec-13 A	07-Aug-13 18-Dec-13	02-Mar-14 A 02-Mar-14 A		SREAdminstration Period - Collection System
							Construction Bidding Phase - Collection System
X1075	Construction Bidding Phase - Collection System	132	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13	
Imp Sta	tion		30-Jan-15 A		06-Aug-15 A		Purip Station SRF Administration Period - Periop Station
X2000	SRFAdminstration Period - Pump Station	68	30-May-15 A	30-May-15	06-Aug-15 A	06-Aug-15	
X1070	Construction Bidding Phase - Pump Station	119	30-Jan-15 A	30-Jan-15	29-May-15 A	29-May-15	Construction Bidding Phase - Pump Station
ollection	System	652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	Collection System
X2030	Construction Phase - Collection System	652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	Construction:Phase - Collection System
DX2030		652	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	DGRAM - PHASE I

Activity Name	At Completion	Stort	Actual Start	Finish	Actual Finish	DATA DATE: 31
Activity Name	Duration	Start	Actual Start		Actual Fillish	2013         2014         2015         2016         2017         2016         2019           Q2         Q3         Q4         Q1         Q2
np Station	799	07-Aug-15 A	07-Aug-15	13-Oct-17	·	Pump Station
1080 Construction Phase - Pump Station	799	07-Aug-15 A	07-Aug-15	13-Oct-17		Construction Phase Purrip Station_Construction Phase - Purrip Station
ject Completion Report	0	14-Oct-17		14-Oct-17		Project Completion Report
240 Project Completion Report	0	14-Oct-17		14-Oct-17		Project Completion Report
and TDEC Approvals	0	14-Oct-17		14-Oct-17		EPA and TDEC Approvals
1030 Notification of Completion to EPA, TDEC, TCWN	0	14-Oct-17 21-Dec-10A	21 Dec 10	14-Oct-17 24-Apr-16 A	24-Apr-16	Notification of Completion to EPA, TDEC, TCW
amont Sewer Basin and PS Improvements						Consent Decree Duration (36 Months)
nsent Decree Duration (36 Months)	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A		
1050 Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16	Censent Decree Duration Completion Milestorie
1040 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration
ject Procurement	61	21-Dec-10 A	21-Dec-10	21-Feb-11 A	21-Feb-11	
1090 Previously Procured Consent Decree Projects		21-Dec-10 A		21-Feb-11 A		
nning Phase		22-Feb-11 A		01-Oct-11 A		
1060 SRF Facility Plan Approval	30	01-Sep-11 A	01-Sep-11	01-Oct-11 A	01-Oct-11	
1000 Planning Phase	190	22-Feb-11 A	22-Feb-11	31-Aug-11 A	31-Aug-11	
vincering Phase	372	01-Sep-11 A	01-Sep-11	07-Sep-12 A	07-Sep-12	
jineering Phase 1210 SRF Approval of Contract Documents		07-Sep-12 A		07-Sep-12 A		of Contract Documents
1020 SRF Approval of Contract Documents	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	of Contract Documents
1010 Engineering - Pump Station	372	01-Sep-11 A	01-Sep-11	07-Sep-12 A	07-Sep-12	
		07 805 404	07 500 40	07 0 40 1	07 Sec 10	Collection System
1200 Engineering - Collection System	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	
nstruction Bidding Phase		07-Sep-12 A		25-Nov-12 A		Bidding Phase
1220 SRF Adminstration Phase - Pump Station	60	07-Sep-12 A	07-Sep-12	05-Nov-12 A	05-Nov-12	ation Phase - Pump Station
1240 SRF Administration Phase - Collection System	80	07-Sep-12 A	07-Sep-12	25-Nov-12 A	25-Nov-12	ration Phase - Collection System
						Bidding Phase Pump Station
1070 Construction Bidding Phase - Pump Station	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	
1230 Construction Bidding Phase - Collection System	0	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	Bidding Phase Collection System
nstruction Phase	494	26-Nov-12 A	26-Nov-12	04-Apr-14 A	04-Apr-14	tion Phase
1080 Construction Phase - Pump Station	444	07-Jan-13 A	07-Jan-13	27-Mar-14 A		uction Phase - Pung Station
						tion Phase - Callertian System
1250 Construction Phase - Collection System	494	26-Nov-12 A	26-Nov-12	04-Apr-14 A	04-Apr-14	tion Phase - Cdllection System
ject Completion Report	115	05-Apr-14 A	05-Apr-14	29-Jul-14 A	29-Jul-14	Project Completion Report
200 Project Completion Report	115	05-Apr-14 A	05-Apr-14	29-Jul-14 A	29-Jul-14	Project Completion Réport
A and TDEC Approvals		30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14	EPA and TDEC Approvals
1030 Notification of Completion to EPA, TDEC, TCWN	0	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14	Notification of Completion to EPA, TDEC, TCWN
eville PS and Sewer Basin Improvements		01-Mar-11 A		24-Apr-16 A		
sent Decree Duration (36 Months)	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A		Consent Decree Duration (36 Months)
1050 Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16	Consent Decree Duration Completion Milestone
1040 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	
ject Procurement		01-Mar-11 A		01-Mar-11 A		
1090 Previously Procured Consent Decree Projects	1	01-Mar-11 A	01-Mar-11	01-Mar-11 A	01-Mar-11	
nning Phase	189	11-Apr-11 A	11-Apr-11	17-Oct-11 A	17-Oct-11	
1060 SRF Facility Plan Approval	31	16-Sep-11 A	16-Sep-11	17-Oct-11 A	17-Oct-11	
1000 Planning Phase	158	11-Apr-11 A	11-Apr-11	16-Sep-11 A	16-Sep-11	
	150					

Summary Adual Level of Eff Adual Work Remaining Work

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



Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
20 SRF Approval of Contract Documents	745	16-Sep-11 A	16-Sep-11	30-Sep-13 A	30-Sep-13	
010 Engineering	760	16-Sep-11 A	16-Sep-11	15-Oct-13 A	15-Oct-13	
struction Bidding Phase	136	17-Oct-13 A	17-Oct-13	02-Mar-14 A	02-Mar-14	Construction Bidding:Phase
100 SRFAdminstration Period	113	09-Nov-13 A	09-Nov-13	02-Mar-14 A	02-Mar-14	SRF Administration Period
070 Construction Bidding Phase	22	17-Oct-13 A	17-Oct-13	08-Nov-13 A	08-Nov-13	Gonstruction Bidding:Phase
struction Phase	199	03-Mar-14 A	03-Mar-14	18-Sep-14 A	18-Sep-14	Construction
080 Construction Phase	199	03-Mar-14 A	03-Mar-14	18-Sep-14 A	18-Sep-14	ChastrictionPhase
ect Completion Report		18-Sep-14 A		18-Sep-14 A		Project Completión Report Project Completión Report
250 Project Completion Report		18-Sep-14 A	18-Sep-14	18-Sep-14 A	18-Sep-14	
And TDEC Approvals O30 Notification of Completion to EPA, TDEC, TCWN		18-Sep-14 A		18-Sep-14 A 18-Sep-14 A		EPA and TDEC Approvals Notification of Completion to EPA. TDEC. TOWN
co Creek Interceptor Rehab		01-Apr-09 A		24-Apr-16 A		Consent Decree Duration (36 Months)
Issent Decree Duration (36 Months)           1050         Consent Decree Duration Completion Milestone	1096 0	24-Apr-13 A	24-Apr-13	24-Apr-16 A 24-Apr-16 A	24-Apr-16 24-Apr-16	Consent Decree Duration 30 Wolmsy
1040 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration
		01-Apr-09 A		29-Jun-09 A	29-Jun-09	
tect Procurement Project Procurement		01-Apr-09 A			29-Jun-09	
ining Phase	63	30-Jun-09 A	30-Jun-09	01-Sep-09 A	01-Sep-09	
1060 SRF Facility Plan Approval			30-Jun-09		30-Jun-09	
1000 Planning Phase	63	30-Jun-09 A	30-Jun-09	01-Sep-09 A	01-Sep-09	
ineering Phase	390	01-Jul-09 A	01-Jul-09	01-Aug-10 A	01-Aug-10	
1020 SRF Approval of Contract Documents	0	01-Jul-09 A	01-Jul-09		01-Jul-09	
1010 Engineering	390	01-Jul-09 A	01-Jul-09	01-Aug-10 A	01-Aug-10	
Instruction Bidding Phase	31	01-Aug-12 A	01-Aug-12	01-Sep-12 A	01-Sep-12	ding Phase
1070 Construction Bidding Phase	31	01-Aug-12 A	01-Aug-12	01-Sep-12 A	01-Sep-12	lding Phase
nstruction Phase		03-Jun-13 A		27-Jun-14 A		Construction Phase
1080 Construction Phase			03-Jun-13		27-Jun-14	Construction Phase
220 Project Completion Report		28-Jun-14 A 28-Jun-14 A		29-Jul-14 A 29-Jul-14 A	29-Jul-14 29-Jul-14	Project Completion Réport Project Completion Réport
A and TDEC Approvals 1030 Notification of Completion to EPA, TDEC, TCWN		30-Jul-14 A 30-Jul-14 A	30-Jul-14 30-Jul-14	30-Jul-14 A 30-Jul-14 A	30-Jul-14 30-Jul-14	Notification of Completion to EPA, TDEC, TCWN
		12-Dec-12 A		24-Apr-18		d Park Sewer Rehab
hland Park Sewer Rehab Isent Decree Duration (60 Months)		24-Apr-13 A		24-Apr-18		Consent Øecrep Durption (60 Months)
050 Consent Decree Duration Completion Milestone	0			24-Apr-18*		Consent Decree Duration Complet
1040 Consent Decree Duration		24-Apr-13 A		24-Apr-18		
Ject Procurement PMO Reviews/Negotiates and Approve Proposal / Agreement		12-Dec-12 A 02-Mar-13 A			18-Apr-13 15-Mar-13	Produrement O Reviews/ Nepotiates and Approve Proposal / Agreement
120 PMO Approved Agreement to Council for Approval		16-Mar-13 A		22-Mar-13 A		
1130 Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	bnsúltant Signeid Agreemeint to Çity for Execution
100 Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant develops and Submit Scope and Cest preposa
CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	ualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP
nning Phase	721	19-Apr-13 A	19-Apr-13	10-Apr-15 A	10-Apr-15	Planning Phase
Critical Remaining W						OGRAM - PHASE I N

Activity Name       Art Co.         1060       SRF Facility Plan Approval         1000       Planning Phase         gineering Phase       Image: Complexity Plan Approval of Contract Documents         1010       Engineering         1010       Engineering         1011       Engineering         1012       SRF Approval of Contract Documents         1010       Engineering         1011       SRF Administration Phase         10110       Construction Bidding Phase         10110       Construction Phase         10110       Construction Phase         10120       Construction Phase         10130       Construction Phase         10210       Construction Phase         1030       Notification of Completion to EPA, TDEC, TCWN         1030       Notification of Completion to EPA, TDEC, TCWN         1030       Consent Decree Duration Completion Milestone         10400       Consent Decree Duration Completion Milestone         1050       Consent Decree Duration         1060       PMO Reviews/ Negotiates and Approve Proposal / Agreement         1110       PMO Reviews/ Agreement to Council for Approval         1110       Consultant Signed Agreement to City for Execution <t< th=""><th>1117 265 156 44 1111 379 379 0 0 0 0 0 0 0 0 1284 1096 0 1096 97 10</th><th>19-Apr.13A 19-Apr.13A 31-Dec-15A 31-Dec-15A 10-Apr.15A 27-Apr.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 14-Oc:17 1</th><th>31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 30-Sep-16 30-Sep-16 24-Apr-13 24-Apr-13 18-Oct-12 12-Dec-12</th><th>Finish           28-Apr-14A           10-Apr-15A           26-Apr-16A           26-Apr-16A           30-Dec-15A           30-Sep-16A           30-Sep-16A           16-Aug-16A           13-Oct-17           14-Oct-17           14-Oct-16A           14-Oct-17  </th><th>10-Apr-15 26-Apr-16 26-Apr-16 30-Dec-15 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12</th><th>Planning Pha</th><th>2014 4 01 Q2 Q3 Q4 0 KB Facility Plan Approva ase verhent Study res Duration 36 Months xee Duration</th><th>Engineering Phase Engineering</th><th>Construction Bddii</th><th>ng Prase statidn'Prase ing Prase ing Prase ing Prase Pras Prase Pras Prase Pras Pras Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Pras Prase Pras Prase Prase Pras Prase Pras Pras Pras Pras Pras Pras Pras Pras</th><th>struction Phaše olject Completion Rep 24 and TDEC Approva stification of Completic</th><th>oort</th></t<>	1117 265 156 44 1111 379 379 0 0 0 0 0 0 0 0 1284 1096 0 1096 97 10	19-Apr.13A 19-Apr.13A 31-Dec-15A 31-Dec-15A 10-Apr.15A 27-Apr.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 14-Oc:17 1	31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 30-Sep-16 30-Sep-16 24-Apr-13 24-Apr-13 18-Oct-12 12-Dec-12	Finish           28-Apr-14A           10-Apr-15A           26-Apr-16A           26-Apr-16A           30-Dec-15A           30-Sep-16A           30-Sep-16A           16-Aug-16A           13-Oct-17           14-Oct-17           14-Oct-16A           14-Oct-17	10-Apr-15 26-Apr-16 26-Apr-16 30-Dec-15 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	Planning Pha	2014 4 01 Q2 Q3 Q4 0 KB Facility Plan Approva ase verhent Study res Duration 36 Months xee Duration	Engineering Phase Engineering	Construction Bddii	ng Prase statidn'Prase ing Prase ing Prase ing Prase Pras Prase Pras Prase Pras Pras Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Pras Prase Pras Prase Prase Pras Prase Pras Pras Pras Pras Pras Pras Pras Pras	struction Phaše olject Completion Rep 24 and TDEC Approva stification of Completic	oort
1000     Planning Phase       1010     Project Completion Report       1020     SRF Administration Phase       1020     Construction Phase       1020     SRF Administration Phase       1020     SRF Administration Phase       1020     Construction Phase       1020     Notification of Completion Report       1020     Notification of Completion Report       1020     Notification of Completion Report       1030     Notification of Completion Milestone       1030     Consent Decree Duration Completion Milestone       1040     Consent Decree Duration       1100     PMO Reviews/Negotiates and Approve Proposal / Agreement       1120     PMO Approved Agreement to Council for Approval       1130     Consultant Signed Agreement to City for Execution	721 382 117 265 56 44 44 1111 379 379 0 0 0 0 0 0 0 1284 1096 0 1096 97 10	19-Apr.13A 19-Apr.13A 31-Dec-15A 31-Dec-15A 10-Apr.15A 27-Apr.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 30-Sep.16A 14-Oc:17 14-Oc:17 14-Oc:17 14-Oc:17 14-Oc:17 14-Oc:17 24-Apr.13A 24-Apr.13A 18-Oc:12A 12-Dec-12A	19-Apr-13 19-Apr-13 31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 18-Oct-12 24-Apr-13 18-Oct-12 12-Dec-12	10-Apr-15A 26-Apr-16A 26-Apr-16A 30-Dec-15A 30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A	10-Apr-15 26-Apr-16 26-Apr-16 30-Dec-15 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	F PS Impov Consent Decr Consent Decr	Kt Factor Plan Approva 350 verhent Study rep Duration (36 Months) zeh Duration	Engineering Phase Engineering	Construction Bddii	ng Prase statidn'Prase ing Prase ing Prase ing Prase Pras Prase Pras Prase Pras Pras Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Prase Pras Prase Pras Prase Prase Pras Prase Pras Pras Pras Pras Pras Pras Pras Pras	struction Phaše olject Completion Rep 24 and TDEC Approva stification of Completic	oon soon is
ineering       Image: SRF Approval of Contract Documents         0010       Engineering         istruction Bidding Phase       Image: SRF Administration Phase         0100       Construction Bidding Phase         0100       Construction Bidding Phase         0100       Construction Bidding Phase         0100       Construction Report         0100       Notification of Completion Report         0100       Notification of Completion to EPA, TDEC, TCWN         0100       Notification of Completion to EPA, TDEC, TCWN         0100       Notification of Completion to EPA, TDEC, TCWN         0100       Notification of Completion Milestone         0100       Consent Decree Duration Completion Milestone         01000       Consent Decree Duration         01000       PMO Reviews/Negotiates and Approve Proposal / Agreement         01100       PMO Approved Agreement to Council for Approval         0120       Consultant Signed Agreement to City for Execution	382 117 265 156 44 1111 379 379 0 0 0 0 1284 1096 0 1096 1096 7 10	10-Apr-15A 31-De-15A 10-Apr-15A 27-Apr-16A 17-Aug-16A 30-Sep-16A 30-Sep-16A 30-Sep-16A 14-Oe+17 14-Oe+	10-Apr-15 31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 30-Sep-16 18-Oct-12 24-Apr-13 18-Oct-12 12-Dec-12	26.Apr-16A 26.Apr-16A 30-Dec-15A 30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A 22-Jan-13A 21-Dec-12A	26-Apr-16 26-Apr-16 30-Dec-15 30-Sep-16 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	FFPSImerow Consent Decr Consent Decr	xee Duration	Engineerria	E Approval of Contract   Construction Biddin SEF Adminis Construction Biddin Construct Construct	ng Phase statton Phase ion Phase ion Phase ion Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase	oject Completion Rep oject Completion Rep PA and TDEC Approva otification of Completic	oort als
020       SRF Approval of Contract Documents         010       Engineering         struction Bidding Phase         140       SRF Administration Phase         070       Construction Bidding Phase         struction Phase       000         construction Phase       000         construction Phase       000         construction Phase       000         ect Completion Report       000         500       Project Completion Report         500       Project Completion Report         500       Rodication of Completion to EPA, TDEC, TCWN         500       Construction (36 Months)         501       Consent Decree Duration Completion Milestone         502       Consent Decree Duration Completion Milestone         503       Consent Decree Duration         504       Consent Decree Duration         505       Consent Decree Duration         506       Consent Decree Duration         507       Procerement         508       Procurement         509       Provement Decree Duration         500       Consent Decree Duration         501       Provement         502       Provement         503       Consent Decree Dur	1117 265 156 44 1111 379 379 0 0 0 0 0 0 0 0 1284 1096 0 1096 97 10	31-Dec-15A 10-Apr-15A 27-Apr-16A 17-Aug-16A 27-Apr-16A 30-Sep-16A 30-Sep-16A 14-Oct-17 14-O	31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 30-Sep-16 30-Sep-16 24-Apr-13 24-Apr-13 18-Oct-12 12-Dec-12	26-Apr-16A 30-Dec-15A 30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A 22-Jan-13A 21-Dec-12A	26-Apr-16 30-Dec-15 30-Sep-16 30-Sep-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	Consent Deci Consent Deci curement	xee Duration	Engineerria	E Approval of Contract   Construction Biddin SEF Adminis Construction Biddin Construct Construct	ng Phase statton Phase ion Phase ion Phase ion Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase	oject Completion Rep oject Completion Rep PA and TDEC Approva otification of Completic	oort als
0200     SRF Approval of Contract Documents       010     Engineering       struction Bidding Phase       140     SRF Administration Phase       070     Construction Bidding Phase       180     Construction Completion to EPA, TDEC, TCWN       180     Consent Decree Duration       180     Consent Decree Duration       180     Consent Decree Duration       180     Consultant Signed Agreement to City for Execution	1117 265 156 44 1111 379 379 0 0 0 0 0 0 0 0 1284 1096 0 1096 97 10	31-Dec-15A 10-Apr-15A 27-Apr-16A 17-Aug-16A 27-Apr-16A 30-Sep-16A 30-Sep-16A 14-Oct-17 14-O	31-Dec-15 10-Apr-15 27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 30-Sep-16 30-Sep-16 24-Apr-13 24-Apr-13 18-Oct-12 12-Dec-12	26-Apr-16A 30-Dec-15A 30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A 22-Jan-13A 21-Dec-12A	26-Apr-16 30-Dec-15 30-Sep-16 30-Sep-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	Consent Deci Consent Deci curement	xee Duration	Engineerrig	E Approval of Contract   Construction Biddin SEF Adminis Construction Biddin Construct Construct	ng Phase statton Phase ion Phase ion Phase ion Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase Phase	oject Completion Rep oject Completion Rep PA and TDEC Approva otification of Completic	oort als
struction       Bidding Phase         140       SRF Administration Phase         070       Construction Bidding Phase         struction Phase       Struction Phase         080       Construction Phase         ect Completion Report       Project Completion Report         301       Notification of Completion Report         301       Notification of Completion to EPA, TDEC, TCWN         202       CSOTF PS Improvement Study         203       Rotification of Completion Milestone         0040       Consent Decree Duration         0040       Consent Decree Duration         2041       PMO Reviews/ Negotates and Approve Proposal / Agreement         110       PMO Approved Agreement to Council for Approval         120       PMO Approved Agreement to Council for Approval         130       Consultant Signed Agreement to City for Execution	156 44 111 379 379 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27-Apr-16A 17-Aug-16A 27-Apr-16A 30-Sep-16A 30-Sep-16A 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 18-Oct-12A 24-Apr-13A 18-Oct-12A 12-Dec-12A	27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 18-Oct-12 24-Apr-13 18-Oct-12 12-Dec-12	30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A 22-Jan-13A 21-Dec-12A	30-Sep-16 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	Consent Deci Consent Deci curement	xee Duration	Engibeering	Construction Biddin Construction Biddin Construct Construct	station:Phase ign Phase ign Phase ign Phase ign Phase ign Phase pr Pr Pr Pr Pr Pr Pr	oject Completion Rep oject Completion Rep PA and TDEC Approva otification of Completic	oort als
struction       Bidding Phase         140       SRF Administration Phase         070       Construction Bidding Phase         struction Phase       Struction Phase         080       Construction Phase         ect Completion Report       Project Completion Report         301       Notification of Completion Report         301       Notification of Completion to EPA, TDEC, TCWN         202       CSOTF PS Improvement Study         203       Rotification of Completion Milestone         0040       Consent Decree Duration         0040       Consent Decree Duration         2041       PMO Reviews/ Negotates and Approve Proposal / Agreement         110       PMO Approved Agreement to Council for Approval         120       PMO Approved Agreement to Council for Approval         130       Consultant Signed Agreement to City for Execution	156 44 111 379 379 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	27-Apr-16A 17-Aug-16A 27-Apr-16A 30-Sep-16A 30-Sep-16A 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 18-Oct-12A 24-Apr-13A 18-Oct-12A 12-Dec-12A	27-Apr-16 17-Aug-16 27-Apr-16 30-Sep-16 30-Sep-16 18-Oct-12 24-Apr-13 18-Oct-12 12-Dec-12	30-Sep-16A 30-Sep-16A 16-Aug-16A 13-Oct-17 13-Oct-17 14-Oct-17 14-Oct-17 14-Oct-17 24-Apr-16A 24-Apr-16A 24-Apr-16A 24-Apr-16A 22-Jan-13A 21-Dec-12A	30-Sep-16 30-Sep-16 16-Aug-16 16-Aug-16 24-Apr-16 24-Apr-16 24-Apr-16 24-Apr-16 22-Jan-13 21-Dec-12	Consent Deci Consent Deci curement	xee Duration		Construction Biddin Construction Biddin Construct Construct	station:Phase ign Phase ign Phase ign Phase ign Phase ign Phase pr Pr Pr Pr Pr Pr Pr	oject Completion Rep oject Completion Rep PA and TDEC Approva otification of Completic	oort als
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090 Previously Procured Consent Decree Projects	175	07-Sep-12 A	07-Sep-12	28-Feb-13 A	28-Feb-13	ocured Conse	ent Decree Projects					
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SEAL Remaining Work

Actual Work

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



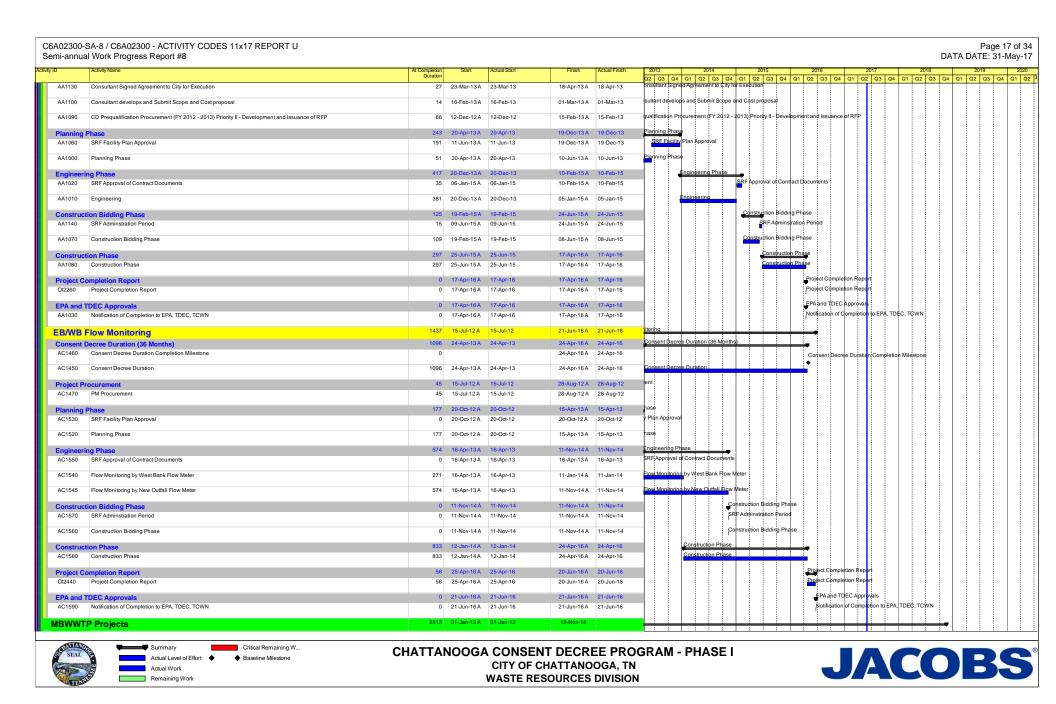
	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013	201	14		2015		201	5	2017	7	20	18		2019	
U1030	Notification of Completion to EPA, TDEC, TCWN	0	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14	Q2 Q3 Q4 Q	Q1 Q2	Q3 C Notific	24 Q1 cation of C	Q2 Q3 ompletio	Q4 Q1 n to EPA, 1	1 Q2 TDEC, IC	Q3 Q4 Q1 WN	1 Q2 C	Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2	Q3	Q4
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1090	Previously Procured Consent Decree Projects	61	24-Dec-10 A	24-Dec-10	24-Feb-11 A	24-Feb-11															
nning	Phase	42	25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11															
1060	SRF Facility Plan Approval	42	25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11															
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1010	Engineering	929	08-Apr-11 A	08-Apr-11	23-Oct-13 A	23-Oct-13															1
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180	Project Completion Report	0	01-Jul-17		01-Jul-17										Pr	roject Con	npletion Re	port			
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1030	Notification of Completion to EPA, TDEC, TCWN	0	01-Jul-17		01-Jul-17		ob PS Improvemen	inte							No	otification	of Comple	tion to EPA	TDEC, T	CWN	
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61130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agree	ement to (	City for	Execution	n										
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1060	SRF Facility Plan Approval	31	13-Dec-13 A	13-Dec-13	13-Jan-14 A	13-Jan-14	SRF	F Facility F	Plan Ap	oproval											
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1010	Engineering	582	14-Jan-14 A	14-Jan-14	19-Aug-15 A	19-Aug-15		ngineerin	ng												[
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51140 51070 51080 51080	t <mark>ion Phase</mark> Construction Phase	489	19-Mar-16 A	19-Mar-16	20-301-17							- i - I -			Construct	uoni nuop	° : :		1	1 1	1

	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	Q2 Q3 0	04 0	1 03	014	04 0	1 02	03 0	04 01	201	o Q3 Q4	01 0	2 03 0	24 01	02 0	03 04	Q1 Q2	019	04
ject Co	mpletion Report	0	21-Jul-17		21-Jul-17		uo (	4. 4		GIU	44 4		40 4		942		<u>u</u> . u	Project	t Comple	etion Rep	port			
	Project Completion Report	0	21-Jul-17		21-Jul-17													Project	1 Comple	etion Rep Approva	oort			
	DEC Approvals Notification of Completion to EPA, TDEC, TCWN	0	21-Jul-17 21-Jul-17		21-Jul-17 21-Jul-17																	PA, TDEC, 1	TCWN	
	anch PS Improvements	2039	12-Dec-12A	12-Dec-12	13-Jul-18		ranch PS in	nprover	ments									(						
	ecree Duration (60 Months)	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Consent De	ecree D	uratio	n (60 Mo	onths)													
050	Consent Decree Duration Completion Milestone	0			24-Apr-18*															Conse	nt Decre	ee Duratior	n Comple	etion !
040	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18*		Consent De	ecree D	uratio	n. Conse	ant Diecr	ee Dura	tion							-				
ject Pro	ocurement	128	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	Procuremen																	
110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	O Reviews/	Negot	iates a	nd Appr	ove Pro	posal / A	greeme	ent										
120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	IO Approve	d Agree	ement	to Coun	cil for Ap	oproval												
1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Si	ianed A	areem	ent to C	ity for E:	xecution												
											í ].													
100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant deve	elops a	ind Sul	brhit Scb	pe and	Cost pro	posal											
1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	qualtfication	Procu	remen	t (FY 201	12 - 201	3) Priori	ty II - De	evelopm	ent and	Issuance	of RFP							
nnina P	hase	343	15-Apr-13 A	15-Apr-13	24-Mar-14 A	24-Mar-14	Planning Ph	ase																
060	SRF Facility Plan Approval	151	24-Oct-13 A		24-Mar-14 A			SRF Fa	uci <mark>l</mark> ity F	lan Appi	roval													
000	Planning Phase	343	15-Apr-13 A	15-Apr-13	24-Mar-14 A	24-Mar-14	Planning Ph	ase																
000											_													
jineerin 020	g Phase		25-Mar-14 A		27-Jan-16 A 27-Jan-16 A	27-Jan-16 27-Jan-16			Engi	npering	Phase			SREAD	woval of	Contract	Docume	ate						
	SRF Approval of Contract Documents	90											•	(P)										
010	Engineering	583	25-Mar-14 A	25-Mar-14	29-Oct-15 A	29-Oct-15			Engi	neering		-	-											
nstructi	on Bidding Phase	315	28-Jan-16 A	28-Jan-16	08-Dec-16 A	08-Dec-16								Ço	nstructio	on Biddin	g Phase							
140	SRF Administration Phase	36	02-Nov-16 A	02-Nov-16	08-Dec-16 A	08-Dec-16										SF	F Admini	stration Pha	ase					
070	Construction Bidding Phase	278	28-Jan-16 A	28-Jan-16	01-Nov-16 A	01-Nov-16								Co	nstructio	on Biddin	g Phase							
	on Phase	591	09-Dec-16 A	09-Dec-16	12-Jul-18											Τ,	Constructi	ion Phase						
	Construction Phase	581	09-Dec-16 A	09-Dec-16	12-Jul-18												Constructi	on Phase,	Constru	uction Ph	ase			
			13-Jul-18		13-Jul-18															T le	roject C	ompletion F	Report	
	mpletion Report Project Completion Report	0			13-Jul-18															P	- 1 A	ampletion F	1.1	
	DEC Approvals	0	13-Jul-18		13-Jul-18																	TDEC Appr		
	Notification of Completion to EPA, TDEC, TCWN	0	13-Jul-18		13-Jul-18		rando Badia	Improv												N	otificatio	on of Comp	letion to	EPA,
	anch Basin Improvements	1960	12-Dec-12 A	12-Dec-12	24-Apr-18		Consent De		venien	1.5		-			-	_			+	•				
	ecree Duration (60 Months) Consent Decree Duration Completion Milestone	1827	24-Apr-13 A	24-Apr-13	24-Apr-18 24-Apr-18*		Consent De	scree D	Juratio	1 (60 1/40	ontins)				+	_			—	•				
	Consent Decree Duration		24-Apr-13 A	24-Apr-13	24-Apr-18		Consent De	cree D	uratio	n.Conse	ent Decr	ee Dura	tion							Conse	nt Decre	e Duration	1 Comple	ition I
to at Day		100	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	Procuremen	nt												T				
110	Docurement PMO Reviews/ Negotiates and Approve Proposal / Agreement		02-Mar-13 A		15-Mar-13 A	15-Mar-13	O Reviews/		iates a	nd Appr	ove Pro	posal / A	greeme	ent										
120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22 Mar 12	MO Approve	d Adros	ement	td Couh	cil for Ar	ntoval												
1130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Si	igned A	green	neint to C	ity for E:	xecution												
1100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant deve	elops a	ind Sul	omit Scp	pe and	Cost pro	posal											
1090	CD Pregualification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	qualification	Procui	remen	t (FY 201	12 - 201	3) Priori	ty II - De	velopm	ent and	Issuance	of RFP							
	hase SRF Facility Plan Approval	457	29-Apr-13 A 24-Oct-13 A	29-Apr-13 24-Oct-13		30-Jul-14 28-Apr-14	PlanningP	náse SRF Fa	icility F	Plan Appl	roval													
					•																			
000	Planning Phase	457	29-Apr-13 A	29-Apr-13	30-Jul-14 A	30-Jul-14	Planning P	hase	-	-														
, ineer in	g Phase	1047	12-May-14 A	12-May-14	24-Mar-17 A	24-Mar-17			F	ngineeri	ing Pha	se												
020	SRF Approval of Contract Documents	90	24-Dec-16 A	24-Dec-16	24-Mar-17 A	24-Mar-17											SRE App	roval of Cor	ntract D	ocument	ts			
TTANO	Critical Remaining W			1	NT DECRI				1					-			ı	LL L	<u> </u>		- i	<u> </u>	<u> </u>	<u> </u>

	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013	2014 2015 Q2 Q3 Q4 Q1 Q2 Q3	2016	2017	2 04 01 0	2018	2019	2 04 0
E1010	Engineering	956	12-May-14 A	12-May-14	23-Dec-16 A	23-Dec-16		Engineering				2 43 44		
onstruct	ion Bidding Phase	131	24-Dec-16 A	24-Dec-16	04-May-17 A	04-May-17				Construction I	Bidding Phase			
E1140	SRF Administration Period	20	14-Apr-17 A	14-Apr-17	04-May-17 A	04-May-17				SRFAc	Iministration Peri	od		
E1070	Construction Bidding Phase	124	24-Dec-16 A	24-Dec-16	27-Apr-17 A	27-Apr-17	_			Construction I	Bidding Phase			
opotruot	ion Phase	300	05-May-17 A	05-May-17	28-Feb-18					Const	truction Phase			
E1080	Construction Phase		05-May-17 A		28-Feb-18					Const	truction Phase C	onstruction P	Phase	
oiect Co	mpletion Report	0	01-Mar-18		01-Mar-18						Pioi	ject Completic	on Report	
2340	Project Completion Report	0	01-Mar-18		01-Mar-18							ectCompletic		
	DEC Approvals	0	01-Mar-18		01-Mar-18							and TDEC A		
	Notification of Completion to EPA, TDEC, TCWN	0	01-Mar-18 12-Dec-12A	12-Dec-12	01-Mar-18 27-Jul-16 A	27. Jul-16	ooga Creek Intercep	tor Rehab			Notil	rication of Cor	ompletion to EPA	A, TDEC, TO
	boga Creek Interceptor Rehab		24-Apr-13 A		24-Apr-16 A		Consent Decree Dur	ration (36 Months)						
B1050	lecree Duration (36 Months) Consent Decree Duration Completion Milestone	0	24-Api-10A	2400110		24-Apr-16	_		Cons	ent Decree Duratio	n Completion Mil	lestone		
31040	Consent Decree Duration	1006	24-Apr-13 A	24 Apr 12	24-Apr-16 A		Consent Decree Dur	ration	•		in completion with	ealone		
51040	Consent Decree Duration													
			12-Dec-12 A			18-Apr-13	Procurement O Reviews/ Nepotiat	tes and Approve Proposal / Agree	nent					
31110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13			in the second seco					
31120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	IO Approved Agreen	nent to Council for Approval						
31130	Consultant Signed Agreement to City for Execution	27	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	onsultant Signed Agr	reement to City for Execution						
31100	Consultant develops and Submit Scope and Cost proposal	14	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	sultant develops and	Submit Scope and Cost proposa						
31090			12-Dec-12 A	10.0	15.5.1.10.1	15-Feb-13	tualification Procure	ment (FY 2012 - 2013) Priority II -		ance of PEP				
1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	66	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13		nieni (F1 2012 - 2013) Filolity II-	evelopment and issu					
anning I			06-May-13 A		02-May-14 A		Planning Phase	lity Plan Approval						
31060	SRF Facility Plan Approval	186	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14		ary Plan Approval						
B1000	Planning Phase	361	06-May-13 A	06-May-13	02-May-14 A	02-May-14	Planning Phase							
aineerii	ng Phase	270	05-May-14 A	05-May-14	30-Jan-15 A	30-Jan-15		Engineering Phase						
31020	SRF Approval of Contract Documents	42	19-Dec-14 A	19-Dec-14	30-Jan-15 A	30-Jan-15		SRF Approval of	Contract Documents					
B1010	Engineering	227	05-May-14 A	05-May-14	18-Dec-14 A	18-Dec-14	_	Engineering						
			02-Feb-15 A		11-Jun-15 A	11-Jun-15		Construction F	idding Phase					
B1140	ion Bidding Phase SRFAdminstration Period		20-May-15 A		11-Jun-15 A	11-Jun-15			ninstration Period					
									idding Phase					
31070	Construction Bidding Phase	106	02-Feb-15 A	02-Feb-15	19-May-15 A	19-May-15			duing mase					
	ion Phase		14-Jul-15 A		27-Jul-16 A			Con	truction Phase					
81080	Construction Phase	379	14-Jul-15 A	14-Jul-15	27-Jul-16 A	27-Jul-16		Con	rucion Phase					
	mpletion Report			27-Jul-16	27-Jul-16 A	27-Jul-16				ect Completion Re				
2270	Project Completion Report	0	27-Jul-16 A	27-Jul-16	27-Jul-16 A	27-Jul-16			Pro	ect Completion Re	port			
	DEC Approvals		27-Jul-16 A		27-Jul-16 A					and TDEC Approv		_		
31030	Notification of Completion to EPA, TDEC, TCWN	0	27-Jul-16 A	27-Jul-16	27-Jul-16 A	27-Jul-16			Noti	fication of Completi	ion to EPA, TDEC	, TCWN		
nnery	Flats Interceptor Rehab	1229	12-Dec-12 A	12-Dec-12	24-Apr-16 A	24-Apr-16	Flats Interceptor Rel	ildb						
	ecree Duration (36 Months)	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Dur	ation (36 Months)						
A1050	Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16			Consent	Decree Dutation C	ompletion Milesto	one		
A1040	Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Dur	ration						
oiect Pr	ocurement	128	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	Procurement							
A1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement			02-Mar-13	15-Mar-13 A	15-Mar-13	O Reviews/ Negotiat	tes and Approve Proposal / Agree	nent					
A1120	PMO Approved Agreement to Council for Approval	7	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	IO Approved Agreen	nent to Council for Approval						
	· ····································		.0 mar-10A		22 Wal-13A	mol*10								

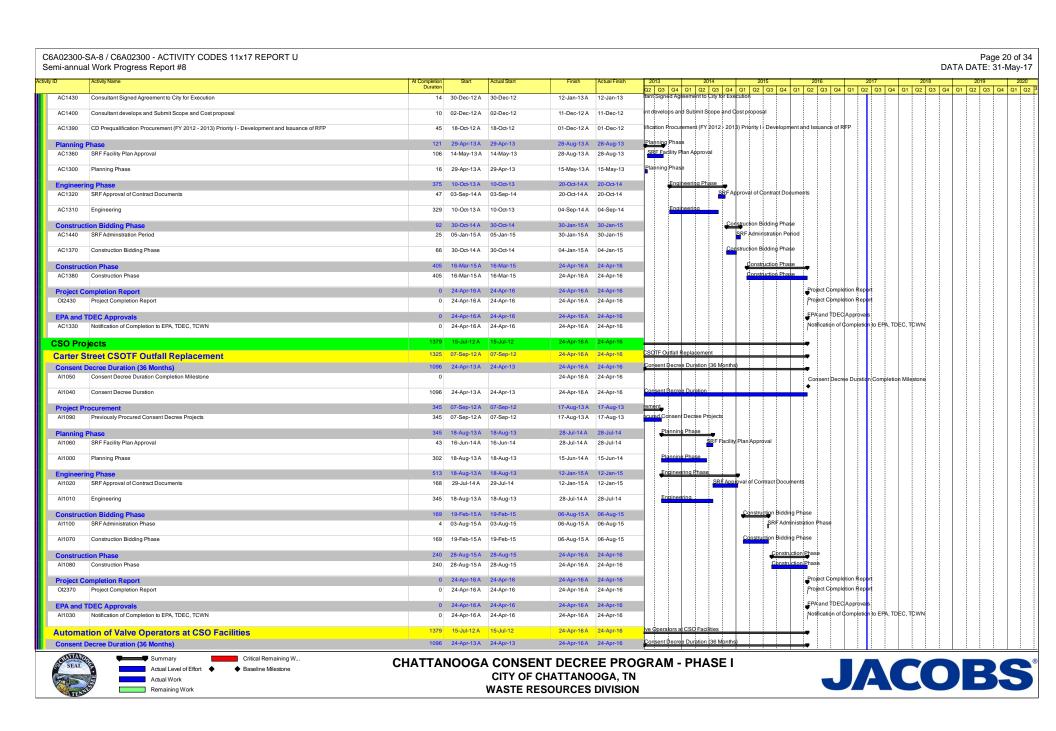
## WASTE RESOURCES DIVISION





	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	h 2013 2014 2015 2016 2017 2018 201
	P Secondary Clarifier Valve Motor Operator Replacement	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Q2         Q3         Q4         Q1         Q2         Q3<
	Decree Duration (60 Months)	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Consent Decree Duration (60 Mpnths)
L1160	Consent Decree Duration Completion Milestone	0			24-Apr-18*		Corisent Decree Dutation C
AL1150	Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Consent Decreb Duration: Consent Decred Duration
Project Pr	ocurement	1132	25-Apr-13 A	25-Apr-13	31-May-16 A	31-May-16	Project Procurement
AL1250	City Develops Project Scope	1132	25-Apr-13 A	25-Apr-13	31-May-16 A	31-May-16	City/Develops Project Scope
lanning	Phase	29	01-Jun-16 A	01-Jun-16	30-Jun-16 A	30-Jun-16	Planning Phase
AL1170	Planning Phase	29	01-Jun-16 A	01-Jun-16	30-Jun-16 A	30-Jun-16	Planning Phase
Engineeri	ng Phase	122	01-Jul-16 A	01-Jul-16	31-Oct-16 A	31-Oct-16	Engirleering Phase
AL1190	Engineering	122		01-Jul-16	31-Oct-16 A	31-Oct-16	Engineering
Construct	in Phone	147	02-Sep-16 A	02 Sep 16	27-Jan-17 A	27 Jon 17	Construction Phase
AL1230	Construction Phase		02-Sep-16 A			27-Jan-17	Construction Phase
							EDit out TOEO Appropria
EPA and 1 AL1290	DEC Approvals Notification of Completion to EPA, TDEC, TCWN		28-Jan-17 A 28-Jan-17 A		28-Jan-17 A 28-Jan-17 A		EPÁ anů †DEC Approvals Notification of Completion: to EPA, TDEC, TCWN
	P Hydraulic and Pump Improvements		18-Oct-12 A		24-Apr-18		Hydraulic and Rump Improvements
	Decree Duration (60 Months)		24-Apr-13 A	24-Apr-13	24-Apr-18		
AK1050 AK1040	Consent Decree Duration Completion Milestone Consent Decree Duration	0 1827	24-Apr-13 A	24-Apr-13	24-Apr-18* 24-Apr-18		Consent Decree Duration Consent Decree Duration
			•				curement
AK1110	ocurement PMO Reviews/ Negotiates and Approve Proposal / Agreement			18-Oct-12 12-Dec-12	22-Jan-13 A 21-Dec-12 A		
AK1120	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	proved Agreement to Council for Approval
AK1130	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution
AK1100	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Int develops and Submit Scope and Cost proposal
AK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Brocurement (FY 2012- 2018) Priority I - Development and Issuance of RFP
Planning	Phase		02-Feb-13 A		13-Feb-14 A	13-Feb-14	
AK1060	SRF Facility Plan Approval	112	24-Oct-13 A	24-Oct-13	13-Feb-14 A	13-Feb-14	SRF Facility Plan Approva
AK1000	Planning Phase	376	02-Feb-13 A	02-Feb-13	13-Feb-14 A	13-Feb-14	hingPhase
Engineeri	ng Phase	248	14-Feb-14 A	14-Feb-14	20-Oct-14 A	20-Oct-14	Engineering Phase
AK1020	SRF Approval of Contract Documents	44	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20-Oct-14	SRF Approval of Contract Documents
AK1010	Engineering	203	14-Feb-14 A	14-Feb-14	05-Sep-14 A	05-Sen-14	Enbineering
/4/10/10	Linginouning						
	ion Bidding Phase		23-Oct-14 A			12-Dec-14	
AK1140	SRF Administration Phase	1	05-Dec-14 A	05-Dec-14	12-Dec-14 A	12-Dec-14	f <sup>()</sup> Administration in here
AK1070	Construction Bidding Phase	42	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04-Dec-14	Construction Bidding Phase
Construct	ion Phase	520	16-Feb-15 A	16-Feb-15	20-Jul-16 A	20-Jul-16	Canstruction Phase
AK1080	Construction Phase	520	16-Feb-15 A	16-Feb-15	20-Jul-16 A	20-Jul-16	Construction Phase
Project Co	ompletion Report	0	21-Jul-16 A	21-Jul-16	21-Jul-16 A	21-Jul-16	Project Completion Report
AK1150	Project Completion Report			21-Jul-16	21-Jul-16 A	21-Jul-16	Project Completion Report
EDA and 3	DEC Approvala	10	21-Jul-16 A	21-Jul-16	31-Jul-16 A	31-Jul-16	EPAjand TDECiApprovals
A4660	DEC Approvals Notification of Completion to EPA, TDEC, TCWN		21-Jul-16 A		31-Jul-16 A	31-Jul-16	Notification of Completion to EPA, TDEC, TCWN
	P Bar and Fine Screen Replacements		01-Jan-12 A		24-Apr-18		Consent Decree Duration (60 Months)
Consent I AJ1050	Decree Duration (60 Months) Consent Decree Duration Completion Milestone	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		
AJ1050 AJ1040	Consent Decree Duration Completion Milestone Consent Decree Duration		24-Apr-13 A	24-Apr-13	24-Apr-18* 24-Apr-18		Consent Decree Duration. Consent Decree Duration

Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 Q2 Q3	Q4	2 Q1 Q2	014 Q3 C	24 Q1	201 Q2	5 Q3 Q4	Q1 Q	2016 2 Q3 Q	4 Q1 C	2017 02 Q3	Q4 Q1	Q2 Q3 0	Q4 Q1	2019 Q2 Q3	3 Q4
ect Procurement 900 Previously Procured Consent Decree Projects		07-Sep-12 A 07-Sep-12 A		07-Sep-12 A 07-Sep-12 A		rement ocured Co	nsent (	Decree P	roiects												
									ľ l												
Ining Phase SRF Facility Plan Approval		01-Jan-12 A 08-Oct-12 A	01-Jan-12 08-Oct-12	17-Oct-12 A 17-Oct-12 A	17-Oct-12 17-Oct-12	Plan App	roval														
000 Planning Phase		01-Jan-12 A			07-Oct-12	_															
Juu Planning Phase																					
incering Phase SRF Approval of Contract Documents		01-May-12 A 06-Sep-14 A		20-Oct-14 A 20-Oct-14 A	20-Oct-14 20-Oct-14				SRI	F Appro	val of C	ontract Do	ocuments								
									1	1											
010 Engineering		01-May-12 A	01-May-12	05-Sep-14 A	05-Sep-14				-												
struction Bidding Phase SRF Adminstration Phase			23-Oct-14 05-Dec-14	12-Feb-15 A 12-Feb-15 A	12-Feb-15 12-Feb-15				÷	SRE A	ction Bic Adminstr	lding Pha ation Pha	ISC ISC								
											1 1										
070 Construction Bidding Phase		23-Oct-14 A		04-Dec-14 A	04-Dec-14				ł	onstru	Ction Big	lding Pha	se								
struction Phase		16-Feb-15 A		30-Jun-17 A						-	Construc	tion Phas	e		_	+					
280 Construction Phase	865	16-Feb-15 A	16-Feb-15	30-Jun-17 A	30-Jun-17						: :	;	;	: :	;						
WWTP Secondary Clarifier Upgrades and Additions		04-Aug-14 A		18-Nov-18							1 1	y Clarifie	Upgrade	s and Addi	ions				•		
PMO Reviews/Negotiates and Approve Proposal / Agreement		04-Aug-14 A 09-Oct-14 A	04-Aug-14 09-Oct-14	26-Jan-15 A 05-Nov-14 A	26-Jan-15 05-Nov-14						urement /iews/N	egotiates	and Appr	ove Propos	al / Agreer	ment					
									1 C	•	1 1										
20 PMO Approved Agreement to Council for Approval	14	06-Nov-14 A	06-Nov-14	20-Nov-14 A	20-Nov-14					• I	1 1			ncil for App							
130 Consultant Signed Agreement to City for Execution	66	21-Nov-14 A	21-Nov-14	26-Jan-15 A	26-Jan-15					Consu	ıltant Siç	ned Agre	ement to	City for Exe	cution						
100 Consultant develops and Submit Scope and Cost proposal	18	20-Sep-14 A	20-Sep-14	08-Oct-14 A	08-Oct-14				Ç0	onsultan	t develo	ps and S	ubmit \$co	pe and Co	st proposal						
090 CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	46	04-Aug-14 A	04-Aug-14	19-Sep-14 A	19-Sep-14				CD Pr	requalif	ication F	rocurem	ent (FY 20	14 - 2015)	- Developr	ment and I	ssuance of	RFP			
ming Phase	341	12-Feb-15 A	12-Feb-15	18-Jan-16 A	18-Jan-16					P	lanning	Phase									
060 SRF Facility Plan Approval	20	30-Dec-15 A	30-Dec-15	18-Jan-16 A	18-Jan-16								SRF Fac	ility Plan Aj	oproval						
000 Planning Phase	293	12-Feb-15 A	12-Feb-15	01-Dec-15 A	01-Dec-15					Р	lanning	Phase									
ineering Phase	336	06-Aug-15 A	06-Aug-15	07-Jul-16 A	07-Jul-16					-		Enginee	ming Phas	e							
220 SRF Approval of Contract Documents		16-May-16 A		07-Jul-16 A	07-Jul-16									SR F Appro	al of Cont	ract Docur	nents				
010 Engineering	283	06-Aug-15 A	06-Aug-15	15-May-16 A	15-May-16	_						Enginee	ning								
eterration Diddler Disease		20-Jul-16 A		27-Mar-17 A	27.Mor.17									Constru	ction Bidd	ing Phase					
Struction Bidding Phase           140         SRF Administration Phase			20-Jan-17	27-Mar-17 A										-	SREA		on Phase				
070 Construction Bidding Phase	183	20-Jul-16 A	20-Jul-16	19-Jan-17 A	19-Jan-17	_								Constru	uction Bidd	ing Phase					
		28-Mar-17 A		17-Nov-18												onstruction	Phase				
Struction Phase O80 Construction Phase		28-Mar-17 A 28-Mar-17 A	28-Mar-17 28-Mar-17	17-Nov-18											E Co			nstruction P	hase		
	0	18-Nov-18		18-Nov-18															Project C	ompletio	on Repor
Project Completion Report           000         Project Completion Report	0	18-Nov-18		18-Nov-18															Project C	ompletio	on Repor
and TDEC Approvals	0	18-Nov-18		18-Nov-18																TDEC Ap	
030 Notification of Completion to EPA, TDEC, TCWN WWTP Effluent Disinfection System Upgrade	0	18-Nov-18 18-Oct-12 A	18-Oct-12	18-Nov-18 24-Apr-16 A	24-Apr-16	Effluent Di	Isinfect	ion Syste	erh Upgra	ade									rouncat	un ur Con	npieción
sent Decree Duration (36 Months)	1097	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent	Decree	Duration	1 (36 Mon	nths)											
350 Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16								с	onsent De	ree Durati	ion Compl	etion Milest	tone			
340 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent	Decree	Duration					•								
ect Procurement	87	18-Oct-12 A	18-Oct-12	12-Jan-13 A	12-Jan-13	curement	ΙT						$ \top$								
410 PMO Reviews/ Negotiates and Approve Proposal / Agreement		12-Dec-12 A	12-Dec-12	12-Dec-12 A		views/Ne	egotiate	es and Ap	oprove Pr	roposal	/ Agree	nent									
420 PMO Approved Agreement to Council for Approval	18	12-Dec-12 A	12-Dec-12	29-Dec-12 A	29-Dec-12	proved Ac	greeme			Approva											



i-annual Work Progress Report #8						DATA DATE: 31-Ma
Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
H1150 Consent Decree Duration Completion Milestone	0			24-Apr-16 A	24-Apr-16	Consent Decreip Duration Completion Milestone
H1140 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration
roject Procurement	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	
H1190 Previously Procured Consent Decree Projects (City Internal Project - Completed)	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	red Consent Decree Projects (City Internal Project - Completed)
onstruction Phase	54	15-Jul-12 A	15-Jul-12	07-Sep-12 A	07-Sep-12	Se
H1180 Construction Phase	54	15-Jul-12 A	15-Jul-12	07-Sep-12 A	07-Sep-12	Se
oject Completion Report	181	01-Aug-13 A	01-Aug-13	29-Jan-14 A	29-Jan-14	Project Complétion Report
12420 Project Completion Report	181	01-Aug-13 A	01-Aug-13	29-Jan-14 A	29-Jan-14	Project Completion Report
PA and TDEC Approvals		30-Jan-14 A		30-Jan-14 A		EPA and TDEC Approvals
H1130 Notification of Completion to EPA, TDEC, TCWN	0	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	Notification of Completion to EPA, TDEC, TCWN
erations Projects		07-Sep-12 A		24-Apr-18		
outh Chick PS Reliability Improvements		07-Sep-12 A	1.1.1	24-Apr-16 A	1.1.1	S Reliability Improvements
Insent Decree Duration (36 Months) 11050 Consent Decree Duration Completion Milestone		24-Apr-13 A	24-Apr-13	24-Apr-16 A		Consent Decree Duration (36 Months)
	0			24-Apr-16 A		Consert Decree Duration Completion Milestone
1040 Consent Decree Duration	1096	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	Consent Decree Duration
oject Procurement		07-Sep-12 A		11-Nov-12 A		remént ocuréd Consent Decrée Projects
11090 Previously Procured Consent Decree Projects			07-Sep-12	11-Nov-12 A		
nning Phase		12-Nov-12 A	12-Nov-12 12-Nov-12	12-Nov-12 A 12-Nov-12 A	12-Nov-12	Ny Pjan Agproval
11060 SRF Facility Plan Approval	0	12-Nov-12 A				
H1000 Planning Phase	0	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	Phaşe
gineering Phase				12-Nov-12 A		ng Rhase ovaljof Cojutrac Docijments
H1020 SRF Approval of Contract Documents	0	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	
11010 Engineering	0	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	ng li
onstruction Bidding Phase		12-Nov-12 A		12-Nov-12 A		on Bidding Phase
1070 Construction Bidding Phase	0	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	
nstruction Phase 11080 Construction Phase		12-Nov-12 A 12-Nov-12 A	12-Nov-12 12-Nov-12	16-Nov-12 A 16-Nov-12 A	16-Nov-12 16-Nov-12	on Phase
1080 Construction Phase	5					
oject Completion Report 2360 Project Completion Report	438	17-Nov-12 A	17-Nov-12 17-Nov-12	29-Jan-14 A 29-Jan-14 A		ompletion/Repdr
						EPA and TDEG Approvals
A and TDEC Approvals I1030 Notification of Completion to EPA, TDEC, TCWN	0	30-Jan-14 A 30-Jan-14 A	30-Jan-14 30-Jan-14	30-Jan-14 A 30-Jan-14 A	30-Jan-14 30-Jan-14	PA and 1DEC Approvals; Notification of Completion: to EPA, TDEC, TCWN
		18-Oct-12 A		24-Apr-18		Telemetry and SCADA Upgrades
WWTP Telemetry and SCADA Upgrades nsent Decree Duration (60 Months)		18-Oct-12 A 24-Apr-13 A		24-Apr-18 24-Apr-18		Consent Decree Duration (60 Months)
Characteristics         Consent Decree Duration (60 Months)           Characteristics         Consent Decree Duration Completion Milestone	0	2 HAPI-10 M	21 April 0	24-Apr-18 24-Apr-18*		Consent Decree Duration Completion
C1190 Consent Decree Duration	1827	24-Apr-13 A	24-Apr-13	24-Apr-18		Consent Decrete Duration :Consent Decrete Duration
oject Procurement		18-Oct-12 A	18-Oct-12	22-Jan-13 A		curement
21260 PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/Negotiates and Approve/Proposal / Agreement
PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	pproved Agreement to Council for Approval
C1280 Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itan Signed Agreement to City for Execution
C1250 Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Int develops and Submit Scope and Oost proposal
C1240 CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Procurement (FY 2012- 2018) Privrity I, Development and Issuance of RFP
Sizes So Frequences of Frequen			27-Mar-13		11-Jul-13	anning Phase

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

Remaining Work



	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013	2014	2015	2016		2017	2018		2019
1210	SRF Facility Plan Approval		11-Jun-13 A	11-Jun-13	11-Jul-13 A	11-Jul-13	Q2 Q3 Q4 Q1 SRF Facility Plar	n Approval	22 Q3 Q4	Q1 Q2 Q3	Q4 Q1 Q	2 Q3 Q4 C	Q1 Q2 Q3 (	24 Q1	Q2 Q3 Q4
	Planning Phase		27-Mar-13 A		10-Jun-13 A	10-Jun-13	lanning Phase								
	g Phase SRF Approval of Contract Documents	851	12-Jul-13 A 17-Oct-15 A	12-Jul-13 17-Oct-15	10-Nov-15 A 10-Nov-15 A	10-Nov-15	Engineering P	nase	SR	FApproval of Cor	tract Documen	1 <b>1</b> S			
							Facility		-						
1160	Engineering	826	12-Jul-13 A	12-Jul-13		16-Oct-15	Engineening								
nstructi	on Bidding Phase		10-Nov-15 A	10-Nov-15	01-Dec-16 A				f	onstruction Biddi		stration Period			
1290	SRF Adminstration Period	24	07-Nov-16 A	07-Nov-16	01-Dec-16 A	01-Dec-16					SRF Admins	tration Period			
1220	Construction Bidding Phase	363	10-Nov-15 A	10-Nov-15	07-Nov-16 A	07-Nov-16			f	onstruction Biddi	ng Phase				
nstructi	on Phase	304	02-Dec-16 A	02-Dec-16	01-Oct-17							ion Phase			
1230	Construction Phase	304	02-Dec-16 A	02-Dec-16	01-Oct-17						Constructi	ion Phase, Cons	truction Phase		
	mpletion Report	0	02-Oct-17		02-Oct-17							<b>•</b> • •	Completion Rep		
	Project Completion Report	0	02-Oct-17 02-Oct-17		02-Oct-17 02-Oct-17								Completion Rep d TDEC Approva		
	DEC Approvals Notification of Completion to EPA, TDEC, TCWN	0	02-Oct-17		02-Oct-17								ation of Completic		TDEC, TOWN
124 - 1	ong Term Control Plan Updates	2109	15-Jul-12 A	15-Jul-12	23-Apr-18		rm Control Plan Up	odates				+			
CP-Po	st Const. Compliance Monitoring Program	989	15-Jul-12 A	15-Jul-12	31-Mar-15 A	31-Mar-15	. Compliance Monit								
	ecree Duration (19 Months)		24-Apr-13 A	24-Apr-13	24-Nov-14 A		Consent Decree Du	uration (19 Months)							
1230	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14		Conser	t Decree Dur	ation Completion	Milestone				
1220	Consent Decree Duration	579	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent Decree Du	uration							
ject Pro	curement	351	15-Jul-12 A	15-Jul-12	01-Jul-13 A	01-Jul-13	ent								
1110	Program Manager (PM) Procurement (FY 2012 - 2013)	0	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	r (PM) Procuremen	it (FY 2012 - 2013)							
1240	Administration Phase	351	15-Jul-12 A	15-Jul-12	01-Jul-13 A	01-Jul-13	lase								
nnina F	haen	467	02-Jul-13 A	02-Jul-13	12-Oct-14 A	12-Oct-14	Planning Phase	e							
1400	Program Manager / Owner Review and Coordination	133		01-Jun-14	12-Oct-14 A	12-Oct-14		Ptogram Manager/	Owner Revie	w and Coordinatio	h				
1120	Planning Phase	333	02-Jul-13 A	02-Jul-13	31-May-14 A	31-May-14	Planning Phase	e							
								Public Docu	mant Rancei	lon/					
blic Doc 01130	ument Repository Submit Draft Deliverable to Reference Librarian	30	13-Oct-14 A 13-Oct-14 A	13-Oct-14 13-Oct-14	18-Nov-14 A 13-Oct-14 A	18-Nov-14 13-Oct-14		Submit Draf	Deliverable	to Reference Libr	arian				
1170	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			18-Nov-14 A	18-Nov-14									
										EPA, TDEC and P	rovide notice to	TCWN			
1150	Public Review Period	35	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14		Public Revie							
1160	Public Comment Review Period	1	17-Nov-14 A	17-Nov-14	18-Nov-14 A	18-Nov-14		Public Co	nment Revie	wPeriod					
01140	Post Copy of Draft Deliverable on City's Website	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14		PostCopy o	f Draft Delive	rable on City's We	osite				
A and T	DEC Approvals	133	18-Nov-14 A	18-Nov-14	31-Mar-15 A	31-Mar-15		EPA and 1	DEC Approv	als					
1210	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	19	12-Mar-15 A	12-Mar-15	31-Mar-15 A	31-Mar-15		Su	omit Copy of	Approved Deliver	ble in the PDR	(within 7 days i	iollowing Receip	>t of Approv	al by EPA)
1180	Place Copy of EPA and TDEC Submittal in PDR	6	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14		Place Cor	y of EPA and	TDEC Submittal	ስ PDR				
1190	FPA / TDEC Review		19-Nov-14 A		12-Mar-15 A	12-Mar-15			C Review						
1200	Address Comments for Final EPA / TDEC Approval	0	12-Mar-15 A		12-Mar-15 A	12-Mar-15			iress Comme	ents for Final EPA	IDEC Approv	an			
CP-Ad	ditional Operational Plan	1868	13-Mar-13 A	13-Mar-13	23-Apr-18		pr riddiaprial oper	rational Plan				╉╋┿			
	ecree Duration (48 Months)		24-Apr-13 A	24-Apr-13	24-Oct-17		Consent Decree Du	uration (48 Months)				┿┿			
	Consent Decree Duration Completion Milestone Consent Decree Duration	0 1645	24-Apr-13 A	24-Apr-13	24-Oct-17* 24-Oct-17*		Consent Decree Du	uration Consent Decree [	uration			Conse	ent Decree Durat	tion Compl	etion Milestone
		605	15-Jul-13 A	15-Jul-13	12-Mar-15 A	12-Mar-15	Project Procur	ement							
	icurement Program Manager (PM) Procurement (FY 2013 - 2014)	605	15-Jul-13 A 15-Jul-13 A	15-Jul-13 15-Jul-13	12-Mar-15 A 15-Jul-13 A	12-Mar-15 15-Jul-13	Program Mana	ager (PM) Procurement (F	Y 2013 - 201	4)					

	Anti-ity Manue	At Completion	Plast	Astual Start	Finish	Astual Finish	2012 2014			2015		204			047		2019		2040	
	Autility Name	Duration	Start	Actual Start	1 11311	Actuart man	Q2 Q3 Q4 Q1 Q2 Q3	3 Q4	4 Q1	Q2 Q3	Q4 Q1	I Q2	, Q3 Q4 (	Q1 Q2	Q3 Q	4 Q1 (	22 03 0	Q4 Q1	Q2 0	13 Q.
D1380	Administration Phase	605	15-Jul-13 A	15-Jul-13	12-Mar-15 A	12-Mar-15	Administration Phase	+												
anning	Phase	1633	13-Mar-13 A	13-Mar-13	31-Aug-17		anning Phase													
D1390	Program Manager / Owner Review and Coordination	31	01-Aug-17		31-Aug-17										Progra	m Manage	er / Owner F	Review a	nd Coor	dinatio
D1260	Planning Phase	1602	13-Mar-13 A	13-Mar-13	31-Jul-17		anning Phase, Planning Phase	e !						<u> </u>	<u> </u>					
blic Do	cument Repository	54	01-Sep-17		24-Oct-17										Publi	ic Docume	nt Reposito	lory		
1270	Submit Draft Deliverable to Reference Librarian	1	01-Sep-17		01-Sep-17												eliverable to		ice Libr	arian
1310	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			24-Oct-17										s	ubmit Deli	verable to E Period	EPA, TDE	C and F	rovide
1290	Public Review Period	30	02-Sep-17		01-Oct-17										Publi	ic Review	Period			
1300 1280	Public Comment Review Period Post Copy of Draft Deliverable on City's Website	23	02-Oct-17 01-Sep-17		24-Oct-17 01-Sep-17										Post	Copy of D	nent Review raft Deliver	v Period	itv's We	bsite
	TDEC Approvals	181	25-Oct-17		23-Apr-18												ECApprov			
01350	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	22-Feb-18		28-Feb-18										-		mit Copy of		d Delive	rable i
01320	Place Copy of EPA and TDEC Submittal in PDR	181	25-Oct-17		23-Apr-18												of EPA and	d TDEC S	ubmittal	in PDF
01330	EPA / TDEC Review	60	25-Oct-17		23-Dec-17										E	PA/ TDEC	Review			
1340	Address Comments for Final EPA/TDEC Approval	60	24-Dec-17	40.0.10	21-Feb-18	10.11 10	occasin Bend WWTP Process	Cont	trols Pro	aram						Address	Comments	s for Final	EPA/T	DECA
	Moccasin Bend WWTP Process Controls Program	937	18-Oct-12 A	18-Oct-12		13-May-15		Joint												
WW	TP Process Controls Program		18-Oct-12 A	18-Oct-12	13-May-15 A		Process Controls Program	-		-										
nsent l	Decree Duration (19 Months)	579	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent Decree Duration (19	Mont	ns)											
1120	Consent Decree Duration Completion Milestone	0			24-Nov-14 A	24-Nov-14			Conse	nt Decree	Duration	Complet	on Mileston	ne						
1110	Consent Decree Duration	579	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	Consent Decree Duration		1											
								1												
	rocurement			18-Oct-12	08-Dec-12 A		curement													
P1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	28-Oct-12 A	28-Oct-12	06-Nov-12 A	06-Nov-12	ews/Negotiates and Approve F	Propo	sal / Agr	eement										
P1150	PMO Approved Agreement to Council for Approval	18	07-Nov-12 A	07-Nov-12	24-Nov-12 A	24-Nov-12	oved Agreement to Council fo	r Appr	roval											
			05 N 40 A	0.5 11 10		00 D 10	nt Signed Agreement to City fo	Evo.	cution											
P1160	Consultant Signed Agreement to City for Execution	14	25-Nov-12 A	25-Nov-12	08-Dec-12 A	08-Dec-12	In Signed Agreement to City id	I EXE	culion											
P1130	Consultant develops and Submit Scope and Cost proposal	10	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	develops and Submit Scope a	ind Co	ost prop	osal										
P1000	CD Pregualification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	0	18-Oct-12 A	18-Oct-12	18-Oct-12 A	18-Oct-12	lification Procurement (FY 201	2 20	)18) Pric	rity I - Dev	elopment	and Issu	ance of REF	р						
1000	OD Frequalitication Frocurement (Fr 2012 - 2013) Fromy F- Development and issuance of KFF	0	10-00-12 A	10-00-12	10-00-12 A	10-00-12			ľ											
nning		531	29-Apr-13 A		12-Oct-14 A	12-Oct-14	Planning Phase	÷.												
P1190	Program Manager / Owner Review and Coordination	8	04-Oct-14 A	04-Oct-14	12-Oct-14 A	12-Oct-14		Pro	gram M	anager / O	wner Rev	iew and	Coordinatio	'n						
P1010	Planning Phase	522	29-Apr-13 A	29-Apr-13	03-Oct-14 A	03-Oct-14	Planning Phase													
								-												
	cument Repository		13-Oct-14 A	13-Oct-14	18-Nov-14 A	18-Nov-14				ument Re Ift Delivera		foronool	ibration							
P1020	Submit Draft Deliverable to Reference Librarian	0	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14		ľ		III Delivera		lerencer	Dialiali							
1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			18-Nov-14 A	18-Nov-14			Submit	Deliverabl	to EPA,	TDEC ar	d Provide n	notice to T	ICWN					
P1040	Public Review Period	35	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14		1.4	al :	iew Period										
			10-000-14 A		17-140V-14 A			12												
1050	Public Comment Review Period	0	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14		1	Public C	omment R	eview Per	riod								
P1030	Post Copy of Draft Deliverable on City's Website	3	13-Oct-14 A	13-Oct-14	16-Oct-14 A	16-Oct-14	-	Po	stCopy	of Draft De	liverable	on City s	Website							
								1				11								
	TDEC Approvals		18-Nov-14 A		13-May-15 A				-RA and	TDEC Ap				_ <u> </u>						
P1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	0	13-May-15 A	13-May-15	13-May-15 A	13-May-15				Submit (	sopy of Ap	oproved I	eliverable	in the PD	까지 (within	/ days fol	llowing Rec	ceipt of Ar	oproval	by EPA
P1070	Place Copy of EPA and TDEC Submittal in PDR	6	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14	-	1	Place C	opy of EPA	and TDE	C Submi	al in PDR							
				10.11	10.11	10.11		1.		EC Reviev										
P1080	EPA/TDEC Review	113	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15		1	-05/10	LC NEVIEI										
P1090	Address Comments for Final EPA / TDEC Approval	60	13-Mar-15 A	13-Mar-15	12-May-15 A	12-May-15			Á	ddress Co	mments fo	or Final E	PA/TDEC A	Approval						
		1121	18-Oct-12 A	18-Oct-12	12 Nov 15 A	12 Nov 15	reen Infrastructure Plan		17											
a 26 -	Green Infrastructure Plan				13-Nov-15 A	13-Nov-15				_	•									
en Ir	nfrastructure Program Plan for CSS Basins	1121	18-Oct-12 A	18-Oct-12	13-Nov-15 A	13-Nov-15	structure Program Plan for CS	_		_	-									
nsent I	Decree Duration (24 Months)	730	24-Apr-13 A	24-Apr-13	24-Apr-15 A	24-Apr-15	Consent Decree Duration (24	Month	hs)	-										
1120	Consent Decree Duration Completion Milestone	0			23-Apr-15 A	23-Apr-15		1		Consent		utation C		Milestone			1 1			

Summary Actual Level of Efft Actual Work Remaining Work

Actual Level of Effort  $\blacklozenge$  Baseline Milestone



	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
Q1110	Consent Decree Duration	730	24-Apr-13 A	24-Apr-13	24-Apr-15 A	24-Apr-15	Consent Decree Duration
oject Pr	ocurement	97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	purelment
21140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/Negotiates and Approve/Proposal / Agreement
1150	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	pproved Agreement to Council for Approval
21160	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution
1130	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	Int develops and Sutimit Scope and Cost proposal
1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Procurement (FY 2012 ): 2013) Priority I + Development and Issuance of RFP
nnina F		747	05-Apr-13 A	05-Apr-13	22-Apr-15 A	22-Apr-15	Nanging Phase
Q1170	Program Manager / Owner Review and Coordination	47	06-Mar-15 A	06-Mar-15	22-Apr-15 A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Program Manager / Owner Review and Coordination
1010	Planning Phase	699	05-Apr-13 A	05-Apr-13	05-Mar-15 A	05-Mar-15	tanning Phase
alia Day	cument Repository	36	18-Mar-15 A	18-Mar-15	23-Apr-15 A	23-Apr-15	Public;DocumentRepository
1020	Submit Draft Deliverable to Reference Librarian	0	18-Mar-15 A	18-Mar-15		18-Mar-15	Submit Draft Deliverable to Reference Librarian
1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	0			23-Apr-15 A	23-Apr-15	Submit Deliverable to EPA, TDEC and Provide notice to TCWN
1040	Public Review Period	33	18-Mar-15 A	18-Mar-15	20-Apr-15 A	20-Apr-15	Public Review Period
1050	Public Comment Review Period		21-Apr-15 A	21-Apr-15	23-Apr-15 A		Public Comment Review Period
1030			21-Apr-15 A 18-Mar-15 A	21-Apr-15 18-Mar-15	18-Mar-15 A		Post Copy of Drat Deliverable on City's Website
1030	Post Copy of Draft Deliverable on City's Website						
ject Co 1180	mpletion Report Project Completion Report		23-Apr-15 A 23-Apr-15 A	23-Apr-15	23-Apr-15 A 23-Apr-15 A		Project Completion Report Project Completion Report
A and T 1090	DEC Approvals TDEC Review and Approval	204	23-Apr-15 A 23-Apr-15 A	23-Apr-15 23-Apr-15	13-Nov-15 A 13-Nov-15 A	13-Nov-15 13-Nov-15	EPA'and TOEClApprovals TOEC Relview and Approval
1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)		13-Nov-15 A	13-Nov-15		13-Nov-15	Submit Copy of Approved Deliverable in the PDR (within 7:days/following Receipt of Approva
							Plade Copy of EPA and TDEC Submittal in PDR
1070	Place Copy of EPA and TDEC Submittal in PDR			23-Apr-15	28-Apr-15 A		
1080	EPA Review and Approval	204	23-Apr-15 A	23-Apr-15	13-Nov-15 A	13-Nov-15	EPA:Review and Approval
	I - Civil Penalty	2307	01-Jan-13 A	01-Jan-13	26-Apr-19		VII; Civil Penality
a 29 -	Cash Fine	24		24-Apr-13	17-May-13 A	17-May-13	
sh Fir				24-Apr-13	17-May-13 A		Cash Fine Divil Penalty - 50% Cash Payment
	ty - 50% Cash Payment Pay 50% of Civil Penalty of \$238,200 to Dept of Justice by EFT		24-Apr-13 A 24-Apr-13 A	24-Apr-13 24-Apr-13	17-May-13 A 17-May-13 A	17-May-13 17-May-13	Pay:50% pf Civil Pertaity of \$238,200 to Dept of Justice by EFT
		2307	01-Jan-13 A	01-Jan-13	26-Apr-19		h - State Broker (50% of Chuil Penalty)
	State Project (50% of Civil Penalty)	2307	01-Jan-13A	01-Jan-13	26-Apr-19		nd Fark Gi Demonstration Project
	Park GI Demonstration Project		24-Apr-13 A		26-Apr-19		Consent Decree Duration
1090	Task 4 CD Duration	185	24-Oct-18		26-Apr-19		Task 4 CD Duration
1230	Task 3 CD Duration	1461	24-Oct-14 A	24-Oct-14	23-Oct-18		Task 3 CD Duration. Task 3 CD Duration
1170	Task 2 CD Duration	180	26-Apr-14 A	26-Apr-14	23-Oct-14 A	23-Oct-14	Task 2 CD Duration
1100	Task 1 CD Duration	183	24-Apr-13 A	24-Apr-13	24-Oct-13 A	24-Oct-13	Task 1 CD Duration
1040	Consent Decree Duration Completion Milestone	0			26-Apr-19*		Corisent Decree
1030	Consent Decree Duration	2194	24-Apr-13 A	24-Apr-13	26-Apr-19		Consent Recreak Duration - Consent Discree Duration
	ocurement			24-Apr-13	24-Apr-13 A		Project Procurement: City/internal Performance
1080	City Internal Performance	0	24-Apr-13 A	24-Apr-13	24-Apr-13 A	24-Apr-13	
	anning Phase		01-Jan-13A		25-Apr-14 A		Planning Phase
1005	Public Document Repository	47	06-Sep-13 A	00-Sep-13	23-Oct-13 A	23-00t-13	Public Document Repository

	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
R1000	Project Plan	247	01-Jan-13 A	01-Jan-13	05-Sep-13 A	05-Sep-13	Plah
R1050	EPA Submittal	183	24-Oct-13 A	24-Oct-13	25-Apr-14 A	25-Apr-14	EPASubbittal
							Task 2 - Engineering Phase
<b>sk 2 - E</b> i R1110	ngineering Phase Public Document Repository	181	25-Apr-14 A 19-Sep-14 A	25-Apr-14 19-Sep-14	23-Oct-14 A 22-Oct-14 A	23-Oct-14 22-Oct-14	Tast 2 - Engineering Phase Public Document/Repdsitory
							EPASubmittal
R1120	EPA Submittal	0	23-Oct-14 A	23-Oct-14	23-Oct-14 A	23-Oct-14	
1010	EPA Project Plan Approval	0			25-Apr-14 A	25-Apr-14	EPA Project Plan Approva
1020	Detailed Design	146	25-Apr-14 A	25-Apr-14	18-Sep-14 A	18-Sep-14	Detailed Design
ek 3 - C	onstruction Bidding Phase	996	23-Oct-14 A	23-Oct-14	14-Jul-17		Task 3 - Construction Bidding Phase
1060	EPA Detailed Design Approval	0			23-Oct-14 A	23-Oct-14	EPA Detailed Design Approval
R1180	3A - Bidding	995	24-Oct-14 A	24-Oct-14	14-Jul-17		3A - Bidding 3A - Bidding
				2100111			
sk 3: Co R1190	3B - Construction	277	15-Jul-17 15-Jul-17		17-Apr-18 17-Apr-18		Jask 3: Construction Phase 3B - Construction
	I Design Workshop	110	18-Apr-18		05-Aug-18		Task 4 - Gi Design Workshop
	Prepare and Conduct Workshop	110	18-Apr-18*		05-Aug-18		Predare and Conduct Workshop
	III - Supplemental Environmental Project	2015	18-Oct-12 A	18-Oct-12	24-Apr-18		- Supplemental Environmental Project
ı 31 -	Supplemental Environmental Project	2015	18-Oct-12 A	18-Oct-12	24-Apr-18		
awela	a Drive Stream Restoration	2015	18-Oct-12 A	18-Oct-12	24-Apr-18		tive Streads Restoration
	Decree Duration (60 Months)		24-Apr-13 A	24-Apr-13	24-Apr-18		Consent Decree Duration (60 Months)
1040	Consent Decree Duration Completion Milestone Consent Decree Duration (60 Months)	0	24-Apr-13 A	24-Apr-13	24-Apr-18* 24-Apr-18*		Consent Decree Duration (60 Months), Consent Decree Duration (60 Months)
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oject Pr 61100	ocurement PMO Reviews/ Negotiates and Approve Proposal / Agreement	10	18-Oct-12 A 12-Dec-12 A	18-Oct-12 12-Dec-12	22-Jan-13 A 21-Dec-12 A		views/Négotiates and Approve/Propesal / Agreement
51110	PMO Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	proved Agreement to Council for Approval
1120	Consultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution
\$1090	Consultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	int develops and Submit Scope and Cost proposal
1080	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Procurement (FY 2012 - 2013) Prierity I - Development and Issuance of RFP
							ling Phase
<b>inning  </b> 1000	Phase Planning Phase	265 265	24-Jan-13 A 24-Jan-13 A	24-Jan-13 24-Jan-13	16-Oct-13 A 16-Oct-13 A	16-Oct-13 16-Oct-13	lingPhase
1000	Training Finase						
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1010	Engineering		18-Oct-13 A	18-Oct-13	24-Feb-16 A		
	tion Bidding Phase			25-Feb-16	26-Jun-16 A		Construction Bidding Phase
1060	Construction Bidding Phase	122		25-Feb-16	26-Jun-16 A	26-Jun-16	
	ion Phase		27-Jun-16 A	27-Jun-16	29-Jun-17		Construction Phase
1070	Construction Phase	368	27-Jun-16 A	27-Jun-16	29-Jun-17		
oject Co		30	30-Jun-17		29-Jul-17		Project Completion Report SEP Completion Report
1170	SEP Completion Report TDEC Approvals	30 67	30-Jun-17 30-Jul-17		29-Jul-17 04-Oct-17		SEP Completion Report EPA and TDEC Approvals:
A and 1 51150	TDEC Review and Approval	60	30-Jul-17		27-Sep-17		TD€C Review and Approval
1160	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	7	28-Sep-17		04-Oct-17		Submit Cody of Approved Deliverable in the PDR Place Copy of EPA and TDEC Submittal in PDR
1130 1140	Place Copy of EPA and TDEC Submittal in PDR EPA Review and Approval	7 60	30-Jul-17 30-Jul-17		05-Aug-17 27-Sep-17		EPA Review and Approval
	( - Reporting Requirement	2867	24-Apr-13 A	24-Apr-13	28-Feb-21		Section DI - Reporting Requirement
	Quarterly Reports	2655	24-Apr-13 A	24-Apr-13	31-Jul-20		Para 38 - Quarterly Reports
	y Reports	2655	24-Apr-13 A	24-Apr-13	31-Jul-20		Quarterly Reports
	Report - 2013	292	24-Apr-13 A	24-Apr-13	10-Feb-14 A	10-Feb-14	Quarterity Report_2013
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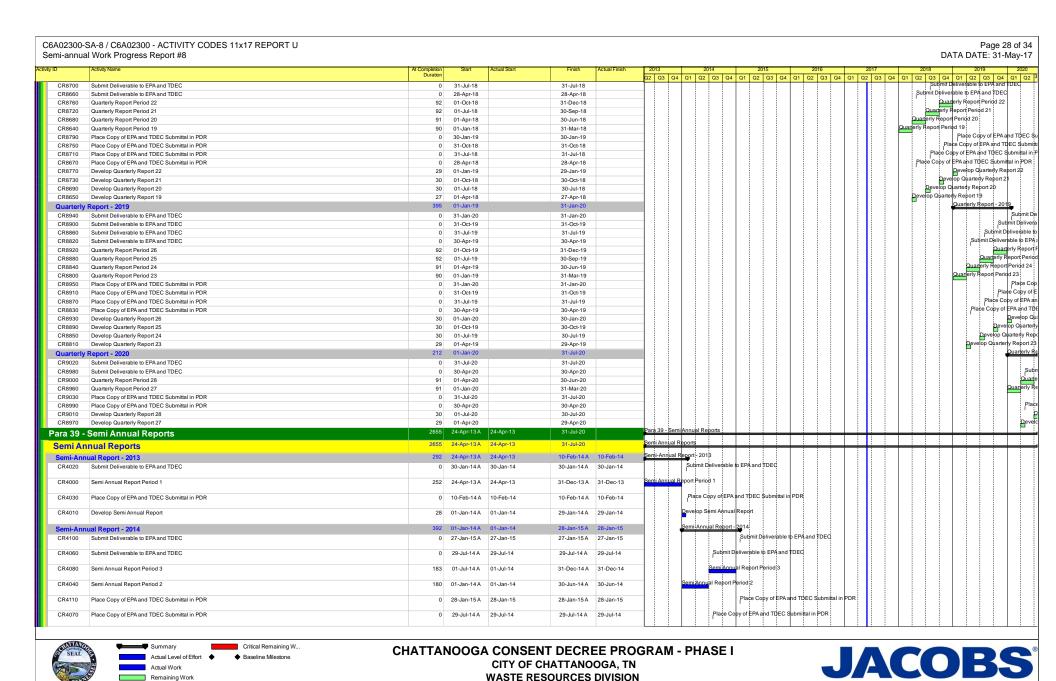
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	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	
1060	Submit Deliverable to EPA and TDEC	0	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	Submit Deliverable to EPA and TDEC
1020	Submit Deliverable to EPA and TDEC	1	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13	Submit Deliverable to EPA and TDEC
1040	Quarterly Report Period 2	93	30-Sep-13 A	30-Sep-13	31-Dec-13 A	31-Dec-13	Duarenty Report Peridd 2
1000	Quarterly Report Period 1	160	24-Apr-13 A	24-Apr-13	30-Sep-13 A	30-Sep-13	Quarterly Report Period 1
1070	Place Copy of EPA and TDEC Submittal in PDR	0	10-Feb-14 A	10-Feb-14	10-Feb-14 A	10-Feb-14	Place Copy of EPA and TDEC Submittal in PDR
1030	Place Copy of EPA and TDEC Submittal in PDR	1	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13	Place Copy of EPA and TDEC Submittal in PDR
1050	Develop Quarterly Report	28	01-Jan-14 A	01-Jan-14	29-Jan-14 A	29-Jan-14	Develop Quarterly Report
1180	Submit Deliverable to EPA and TDEC	0	29-Oct-14 A	29-Oct-14	29-Oct-14 A	29-Oct-14	Submit Deliverable to EPA and TDEC
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1160	Quarterly Report Period 5	91	01-Jul-14 A	01-Jul-14	30-Sep-14 A	30-Sep-14	
1120	Quarterly Report Period 4	90	01-Apr-14 A	01-Apr-14	30-Jun-14 A	30-Jun-14	
1080	Quarterly Report Period 3	89	01-Jan-14 A	01-Jan-14	31-Mar-14 A	31-Mar-14	Quarierty Report Period 3
1230	Place Copy of EPA and TDEC Submittal in PDR	0	26-Jan-15 A	26-Jan-15	26-Jan-15 A	26-Jan-15	Plaçe Copy of EPA and TDEC Submittal in PDR
1190	Place Copy of EPA and TDEC Submittal in PDR	0	29-Oct-14 A	29-Oct-14	29-Oct-14 A	29-Oct-14	Place Copy of EPA and TDEC Submittal in PDR
1150	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jul-14 A	29-Jul-14	29-Jul-14 A	29-Jul-14	Place Copy of EPA and TDEC Submittal in PDR
1110	Place Copy of EPA and TDEC Submittal in PDR	0	29-Apr-14 A	29-Apr-14	29-Apr-14 A	29-Apr-14	Place Copy of EPA and TDEC Submittal in PDR
1210	Develop Quarterly Report	26	31-Dec-14 A	31-Dec-14	26-Jan-15 A	26-Jan-15	Develop Quartedy Report
1170	Develop Quarterly Report	29	30-Sep-14 A	30-Sep-14	29-Oct-14 A	29-Oct-14	Develop Quartenty Report
1130	Develop Quarterly Report	28	30-Jun-14 A	30-Jun-14	28-Jul-14 A	28-Jul-14	Develop Quarterly Report
21090		27	01-Apr-14 A	01-Apr-14	28-Apr-14 A	28-Apr-14	Develop Quarterly Report
		0					
4220	Submit Deliverable to EPA and TDEC	0	30-Oct-15 A	30-Oct-15	30-Oct-15 A	30-Oct-15	Submit Deliverable to EPA and TDEC
1300	Submit Deliverable to EPA and TDEC	0	30-Jul-15 A	30-Jul-15	30-Jul-15 A	30-Jul-15	Sutimit Deliverable to EPA and TDEC
							Submit Deliverable to EPA and TDEC
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4240	Quarterly Report Period 10	91	01-Oct-15 A	01-Oct-15	31-Dec-15 A	31-Dec-15	Quaderly Report Period 10
4270	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jan-16 A	31-Jan-16	31-Jan-16 A	31-Jan-16	Place Copy of EPA and TDEC Submittal in PDR
4230	Place Copy of EPA and TDEC Submittal in PDR	0	31-Oct-15 A	31-Oct-15	31-Oct-15 A	31-Oct-15	Place Copy of EPA and TDEC Subprilital in PDR

Summary Actual Level of Eff Actual Work Remaining Work

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Period 18       92       01-Oct-17       31-Jan-18       1         port Period 16       91       01-Apr-17A       01-Apr-17       30-Sep-17         port Period 16       91       01-Apr-17A       01-Apr-17       30-Jan-18         port Period 16       91       01-Apr-17A       01-Apr-17       31-Jan-18         port Period 15       89       01-Jan-17A       01-Jan-17       31-Jan-18         port Period 15       89       01-Jan-17A       01-Jan-18       01-Jan-18         port Period 15       89       01-Jan-17A       01-Jan-18       01-Jan-18         port Period 15       8	17       395       01-Jan 17       31-Jan 18       31-Jan 18         arrable to EPA and TDEC       0       31-Jan 18       31-Jan 18       31-Jan 18         arrable to EPA and TDEC       0       31-Joc 17       31-Joc 17       31-Joc 17         arrable to EPA and TDEC       0       27-Apr 17       27-Apr 17       27-Apr 17       27-Apr 17         arrable to EPA and TDEC       0       27-Apr 17       27-Apr 17       27-Apr 17       27-Apr 17         port Period 18       0.92       01-Coch 17       31-Jan 16       31-Jan 17       31-Jan 17         port Period 16       0.92       01-Coch 17       31-Jan 17       31-Jan 16       1-Jan 17         port Period 15       0.92       01-Jan 17       31-Jan 18       1-Jan 17       31-Jan 18         yf EPA and TDEC submittal in PDR       0       31-Jan 18       31-Jan 18       1-Jan 17       31-Jan 17         yf EPA and TDEC submittal in PDR       0       31-Jan 18       31-Jan 18       1-Jan 17       31-Jan 18       1-Jan 18       1-Jan 17       1-Jan 16       1-Jan 17       1-Jan 17       1-Jan 17       1-Jan 17       1-Jan 17	name register in       1.2.       Orspection       Cale particity       Cale partity       Cale particity       Cale part	17       33       31-Jan-16       31-J



	SA-8 / C6A02300 - ACTIVITY CODES 11x17 REPORT U al Work Progress Report #8						Page DATA DATE: 3
	Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015 2016 2017 2018 2019
4090	Develop Semi Annual Report		31-Dec-14 A	31-Dec-14	27-Jan-15 A	27-Jan-15	Q2         Q3         Q4         Q1         Q2         Q3<
							Develop Semi Annual Report
4050	Develop Semi Annual Report	27	01-Jul-14 A	01-Jul-14	28-Jul-14 A	28-Jul-14	Develop Semi Aanual Report
	ual Report - 2015	394	01-Jan-15 A	01-Jan-15	30-Jan-16 A	30-Jan-16	SemijAnnual Report - 2015
4180	Submit Deliverable to EPA and TDEC	0	29-Jan-16 A	29-Jan-16	29-Jan-16 A	29-Jan-16	Submit Deliverable to EPA and TDEC
4140	Submit Deliverable to EPA and TDEC	0	31-Jul-15 A	31-Jul-15	31-Jul-15 A	31-Jul-15	Submit Deliverable to EPA and TDEC
4160	Semi Annual Report 5 Data Collection	183	01-Jul-15 A	01-Jul-15	31-Dec-15 A	31-Dec-15	Semi/Annual Report 5:Data/Collection
4120	Semi Annual Report 4 Data Collection	180	01-Jan-15 A	01-Jan-15	30-Jun-15 A	30-Jun-15	SemiAnnual Report 4 Data Collection
4190	Place Copy of EPA and TDEC Submittal in PDR	0	30-Jan-16 A	30-Jan-16	30-Jan-16 A	30-Jan-16	Place Copy of EPA and TOEC Submittal in PDR
4150	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-15 A	31-Jul-15	31-Jul-15 A	31-Jul-15	Place Copy of EPA and TDEC Submittal in PDR
							Develop Sémi Aénual Repdrt 5
4170	Develop Semi Annual Report 5	28	31-Dec-15 A	31-Dec-15	28-Jan-16 A	28-Jan-16	
4130	Develop Semi Annual Report 4	29	01-Jul-15 A	01-Jul-15	30-Jul-15 A	30-Jul-15	Develop Semi Agnual:Report 4
ni-Ann	ual Report - 2016	396	01-Jan-16 A	01-Jan-16	31-Jan-17 A	31-Jan-17	Semii-Annual Report - 2016
9100	Submit Deliverable to EPA and TDEC	0	31-Jan-17 A	31-Jan-17		31-Jan-17	Sutmit Deliverable to EPA and TDEC
9060	Submit Deliverable to EPA and TDEC	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16	Submit Deliverable to EPA and TDEC
9080	Semi Annual Report 7 Data Collection	183	01-Jul-16 A	01-Jul-16	31-Dec-16 A	31-Dec-16	SemiAnnual Report 7 Data Collection
9040	Semi Annual Report 6 Data Collection	181	01-Jan-16 A	01-Jan-16	30-Jun-16 A	30-Jun-16	SemiAnnual Report 6 Data Collection
9110	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jan-17 A	31-Jan-17	31-Jan-17 A	31- Jan-17	Place Copy of EPA and TQEC Submittal in PDR
9070	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16	Place Copy of EPA and TDEC Submittal in PDR
9090	Develop Semi Annual Report 7	30	01-Jan-17 A	01-Jan-17	31-Jan-17 A	31-Jan-17	Develop Sémi Agnual Report 7
9050	Develop Semi Annual Report 6	29	01-Jul-16 A	01-Jul-16	30-Jul-16 A	30-Jul-16	Develop Semi Annual:Report 6
							Semi-Angual Report - 2017;
<b>ni-Ann</b> 9180	Submit Deliverable to EPA and TDEC	394	01-Jan-17 A 30-Jan-18	01-Jan-17	30-Jan-18 30-Jan-18		Submit Deliverable to EPA and TDEC
9140	Submit Deliverable to EPA and TDEC	0	31-Jul-17		31-Jul-17		Submit Deliverable to EPA and TDEC
9160	Semi Annual Report 9 Data Collection	184	01-Jul-17		31-Dec-17		Semi'Annual Report 9 Data Collection
9120	Semi Annual Report 8 Data Collection	181	01-Jan-17 A	01-Jan-17	30-Jun-17		Semi Angual Report 8 Data Collection, Semi Angual Report 8 Data Collection, Semi Angual Report 8 D
9190	Place Copy of EPA and TDEC Submittal in PDR	0	30-Jan-18		30-Jan-18		Place Copy of EPA and TDEC Submitta
9150	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-17		31-Jul-17		Place Copy of EPA and TDEC Submittal in PDR
9170	Develop Semi Annual Report 9	29	01-Jan-18		29-Jan-18		Bevelop Semi Annual Report 9
9130	Develop Semi Annual Report 8	30	01-Jul-17	1	30-Jul-17		Devejop Semi Annual Report 8 Semi-Annual Report -2018
ni-Ann 9260		393	01-Jan-18		29-Jan-19		Seminaring a Report 22 is Submit Deliveral
9260	Submit Deliverable to EPA and TDEC Submit Deliverable to EPA and TDEC	0	29-Jan-19 31-Jul-18		29-Jan-19 31-Jul-18		Submit Deliverable to EPA a
9220	Semi Annual Report 11 Data Collection	184	01-Jul-18		31-Dec-18		Semi-Annual Report 1) Data (
9240	Semi Annual Report 10 Data Collection	181	01-Jan-18	-	30-Jun-18		SemilAnnual Report 10 Data Collection
9270	Place Copy of EPA and TDEC Submittal in PDR	0	29-Jan-19		29-Jan-19		
9230	Place Copy of EPA and TDEC Submittal in PDR	0	31-Jul-18		31-Jul-18		Place Copy of EPA and TOPE
9250	Develop Semi Annual Report 11	28	01-Jan-19		28-Jan-19		Bevelop Sémi Aér Develop Sémi Aérnual/Report
9210	Develop Semi Annual Report 10	30	01-Jul-18		30-Jul-18		Develop Semi Annual Report
	ual Report - 2019	393	01-Jan-19		29-Jan-20		Semi-Annual Rep
9340	Submit Deliverable to EPA and TDEC	0	29-Jan-20		29-Jan-20		
9300	Submit Deliverable to EPA and TDEC	0	31-Jul-19		31-Jul-19		Sutin SamiA
9320	Semi Annual Report 13 Data Collection	184	01-Jul-19		31-Dec-19	-	Semilà Semilà Repo
9280	Semi Annual Report 12 Data Collection	181	01-Jan-19		30-Jun-19		
9350	Place Copy of EPA and TDEC Submittal in PDR Place Copy of EPA and TDEC Submittal in PDR	0	29-Jan-20 31-Jul-19		29-Jan-20 31-Jul-19		Plaçe
9310	Develop Semi Annual Report 13	28	01-Jan-20		28-Jan-20		
9290	Develop Semi Annual Report 13 Develop Semi Annual Report 12	30	01-Jul-19	-	30-Jul-19		Develo
	ual Report - 2020	212			31-Jul-20		

SEAL BE

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

Actual Work

Remaining Work



	al Work Progress Report #8				DATA DATE: 31-Ma
0	Activity Name	At Completion Start Duration	Actual Start Finish	Actual Finish	2013         2014         2015         2016         2017         2018         2019           Q2         Q3         Q4         Q1         Q2
CR9380	Submit Deliverable to EPA and TDEC	0 31-Jul-20			
CR9360 CR9390	Semi Annual Report 14 Data Collection Place Copy of EPA and TDEC Submittal in PDR	182 01-Jan-20 0 31-Jul-20	) 30-Jun-2 31-Jul-2		
CR9390	Develop Semi Annual Report 14	31-5ul-20 30 01-Jul-20			
ara 40 -	Annual Reports	2615 01-Jan-14	A 01-Jan-14 28-Feb-2		Para 40 - Annual Reports
	Reports	2615 01-Jan-14	A 01-Jan-14 28-Feb-2	1	Annual Reports
	eport - 2013	58 01-Jan-14	A 01-Jan-14 28-Feb-14	A 28-Feb-14	Angual Report - 2013
CR8020	Submit Deliverable to EPA and TDEC	0 27-Feb-14		A 27-Feb-14	Submit Deliverable to EPA and TDEC
CR8030	Place Copy of EPA and TDEC Submittal in PDR	0 28-Feb-14.	A 20 E-1 44 20 E-1 4	A 28-Feb-14	Place Copy of EPA and TDEC Submitted in PDR
CR8030	Place Copy of EPA and TDEC Submittan in PDR	0 28-Feb-14	A 28-F6D-14 28-F6D-14	A 28-Peb-14	
CR8010	Develop Annual Report	56 01-Jan-14	A 01-Jan-14 26-Feb-14	A 26-Feb-14	Develop Annual Report
Annual R	eport - 2014	420 01-Jan-14	A 01-Jan-14 25-Feb-15	A 25-Feb-15	Annual Report - 2014
CR8060	Submit Deliverable to EPA and TDEC	0 25-Feb-15		A 25-Feb-15	Submit Deliverable to EPA and TDEC
					Place Copy of EPA and TDEC Submittal in PDR
CR8070	Place Copy of EPA and TDEC Submittal in PDR	0 25-Feb-15	A 25-Feb-15 25-Feb-15	5A 25-Feb-15	
CR8050	Develop Annual Report	55 31-Dec-14	A 31-Dec-14 24-Feb-15	5 A 24-Feb-15	Develop Annual Report
CR8040	Annual Report Period 2	364 01-Jan-14	A 01-lap-14 31-Dec-14	A 31-Dec-14	Annual Rebort Period 2
0110010					
	eport - 2015	426 01-Jan-15		6 A 02-Mar-16	Annual Report-2015
CR8100	Submit Deliverable to EPA and TDEC	0 01-Mar-16	A 01-Mar-16 01-Mar-16	6 A 01-Mar-16	Submit/Deliverable to EPA and TDEC
CR8110	Place Copy of EPA and TDEC Submittal in PDR	0 02-Mar-16	A 02-Mar-16 02-Mar-16	6 A 02-Mar-16	Place Copy of EPA and TDEC Submittal in PDR
CR8090	Develop Annual Report 3	59 01-Jan-16	A 01 log 16 20 Eab 16	A 29-Feb-16	Develop Annual Report 3
CK8090	Develop Allindal Kepolit 3	59 01-541-161	A 01-Jan-10 23-P60-10	A 29-Feb-10	
CR8080	Annual Report Period 3 Data Collection	364 01-Jan-15	A 01-Jan-15 31-Dec-15	5 A 31-Dec-15	Annual Report Period 3 Data Collection
Annual R	eport - 2016	419 01-Jan-16/	A 01-Jan-16 23-Feb-17	A 23-Feb-17	Annual Report - 2016
CR8140	Submit Deliverable to EPA and TDEC	0 23-Feb-17	A 23-Feb-17 23-Feb-17	A 23-Feb-17	Súbmit Delivérable to EPA and TDBC
					Place Copy of EPA and TDEC: Submittal in PDR
CR8150	Place Copy of EPA and TDEC Submittal in PDR	0 23-Feb-17	A 23-Feb-17 23-Feb-17	7 A 23-Feb-17	Place copy of EPAland (DEC, Submitta) in PDR
CR8130	Develop Annual Report 4	53 01-Jan-17	A 01-Jan-17 23-Feb-17	7 A 23-Feb-17	Develop Annual Report 4
CR8120	Annual Report Period 4 Data Collection	365 01-Jan-16	A 01-Jan-16 31-Dec-16	A 31-Dec-16	Annual Report Period 4 Data Collection
0110120					
		423 01-Jan-17			Annual Report-2017
CR8180 CR8190	Submit Deliverable to EPA and TDEC Place Copy of EPA and TDEC Submittal in PDR	0 28-Feb-18 0 28-Feb-18			Sµbmit;Deliverable to EPA and TDEC Place Gopy of EPA and TDEC Submittal in
CR8190	Develop Annual Report 5	58 01-Jan-18		-	Develop Annual Report 5
CR8160	Annual Report Period 5 Data Collection	365 01-Jan-17	A 01-Jan-17 31-Dec-1	7	Annual Report Period 5 Data Collection, Annual Report Period 5 Data
		423 01-Jan-18	28-Feb-1	0	Annual Report -2018
CR8220	eport - 2018 Submit Deliverable to EPA and TDEC	0 28-Feb-19			SúbmitDeliverable t
CR8230	Place Copy of EPA and TDEC Submittal in PDR	0 28-Feb-19			Place Copy of EPAa
CR8210	Develop Annual Report 6	58 01-Jan-19			Develop Annual:Report
CR8200	Annual Report Period 6 Data Collection	365 01-Jan-18			Annuial Report Period 6 Data Collection
Annual R CR8260	eport - 2019 Submit Deliverable to EPA and TDEC	424 01-Jan-19 0 29-Feb-20			
CR8260 CR8270	Place Copy of EPA and TDEC Submittal in PDR	0 29-Feb-20 0 29-Feb-20			
CR8250	Develop Annual Report 7	59 01-Jan-20			
CR8240	Annual Report Period 7 Data Collection	365 01-Jan-19			Annual Report Period 7
	eport - 2020	424 01-Jan-20			
CR8300 CR8310	Submit Deliverable to EPA and TDEC Place Copy of EPA and TDEC Submittal in PDR	0 28-Feb-21 0 28-Feb-21			
CR8290	Develop Annual Report 8	58 01-Jan-21			
CR8280	Annual Report Period 8 Data Collection	366 01-Jan-20			
ogram	Management	2191 01-Jul-12 /			
ogram	Management	2191 01-Jul-12	A 01-Jul-12 30-Jun-1	3	ment
rogran	n Management for Consent Decree (YR6)	365 01-Jul-17	30-Jun-1	8	Program Management for Consent De¢ree (YR6)

Activity Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 Q2 Q3 Q	2014 Q4 Q1 Q2 Q	03 04 0	2015	20	16	20	17	2018 Q1 Q2 Q:	2 01 01	2019	
ogram Management - Fiscal Year 2018	365	01-Jul-17	4	30-Jun-18		42 43 4		15 Q4 Q	1 42 43 4	4 41 42	45 44		Program Ma	anagement - F	iscal Year 20	18	
830 Year 6 - Fiscal Year 2018	365	01-Jul-17		30-Jun-18		mant							Year 6 - Fisc	al Year 2018			
ogram Management	1826	01-Jul-12 A	01-Jul-12	30-Jun-17								•					
ar 1 2013 3000 Year 1 - Fiscal Year 2013	364 364	01-Jul-12 A 01-Jul-12 A	01-Jul-12 01-Jul-12	30-Jun-13 A 30-Jun-13 A		r 2013											
ur 2 2014		01-Jul-13 A	01-Jul-13	30-Jun-14 A		Year 2 2	Fiscal Year 2014										
100 Year 2 - Fiscal Year 2014	364	01-Jul-13 A	01-Jul-13	30-Jun-14 A	30-Jun-14	Teal 2 -	FISCAL TEAL 2014	•									
r 3 2015		01-Jul-14 A	01-Jul-14	30-Jun-15 A			¥e	ear 3 2015 ear 3 - Fisca	+++								
200 Year 3 - Fiscal Year 2015	364	01-Jul-14 A	01-Jul-14	30-Jun-15 A	30-Jun-15		Ye	ar 3 - Fisca	Year 2015								
ır 4 2016	365	01-Jul-15 A	01-Jul-15	30-Jun-16 A	30-Jun-16				Year 4 2		•						
300 Year 4 - Fiscal Year 2016	365	01-Jul-15 A	01-Jul-15	30-Jun-16 A	30-Jun-16				Year 4 -	Fiscal Year 20	16						
r 5 2017	365	01-Jul-16 A	01-Jul-16	30-Jun-17							Year 5 201	7					
400 Year 5 - Fiscal Year 2017	365	01-Jul-16 A	01-Jul-16	30-Jun-17							Year 5 - Fi	scal Year 20	17, Year 5	Fiscal Year 2	017		
tional Consent Decree Supported Projects	2980	27-Jan-11 A	27-Jan-11	25-Mar-19													
WTP Backup Electrical Power	1870	27-Jan-11 A		11-Mar-16 A	11-Mar-16												
WWTP Backup Electrical Power	1870	27-Jan-11 A	27-Jan-11	11-Mar-16 A	11-Mar-16												
jineering Phase	747	10-Jan-12 A	10-Jan-12	26-Jan-14 A			_										
780 Engineering Phase	747	10-Jan-12 A		26-Jan-14 A													
	4407	27-Jan-11 A		02-Feb-15 A	00 5-5 45												
nstruction Bidding Phase 790 Construction Bidding Phase	1467	27-Jan-11 A		02-Feb-15 A	02-Feb-15 02-Feb-15												
						struction Pha											
nstruction Phase 800 Construction Phase		03-Feb-13 A 03-Feb-13 A		11-Mar-16 A 11-Mar-16 A		struction Pha											
	1132	03-F60-13 A	03-P60-13		TT-Wat-To												
co PS Reliability Improvements		01-Jul-16 A	01-Jul-16	25-Mar-19							Citico PS F	eliability in	provements	3			
ico PS Reliability Improvements	998	01-Jul-16 A	01-Jul-16	25-Mar-19									provements	8			
ject Procurement		01-Jul-16 A		23-Nov-16 A							Project Pro						
505 PMO Reviews/ Negotiates and Approve Proposal / Agreement	7	20-Aug-16 A	20-Aug-16	27-Aug-16 A	27-Aug-16						PMO R	eviews/ Neg	otiates and	Approve Prop	osai / Agreei	lient	
510 PMO Approved Agreement to Council for Approval	30	28-Aug-16 A	28-Aug-16	27-Sep-16 A	27-Sep-16						PMOA	pproved Ag	reement to C	Council for Ap	proval		
495 Development and Issuance of RFP	21	01-Jul-16 A	01-Jul-16	22-Jul-16 A	22-Jul-16						Developm	ent and Issu	ance of RFF	•			
515 Consultant Signed Agreement to City for Execution	57	27-Sep-16 A	27 Sep 16	23-Nov-16 A	23-Nov-16						Cons	ultant Sign	d Agreeme	nt to City for E	vecution		
500 Consultant develops and Submit Scope and Cost proposal	27	23-Jul-16 A	23-Jul-16	19-Aug-16 A	19-Aug-16						Consulta	nt develops	and Submit	Scope and C	ost proposal		
nning Phase	98	11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17						Pla	anning Pha	se				
S00 Planning Phase	98	11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17						Pla	anning Pha	se				
np Station	119	16-Jan-17 A	16-Jan-17	15-May-17 A	15-May-17							Pump Star	ion				
605 Engineering Phase- Pump Station	119	16-Jan-17 A	16-Jan-17	15-May-17 A	15-May-17							Engineeri	ng Phase- P	ump Station			
ce Main	282	13-Sep-17		21-Jun-18									Force N	lain			
355 Engineering Phase- Force Main	282	13-Sep-17		21-Jun-18									Engine	ering Phase-I	Force Main		
np Station		16-May-17 A		01-Aug-17								<b>P</b>					
615 Construction Bidding Phase- Pump Station	78	16-May-17 A	16-May-17	01-Aug-17								📍	ustruction B	idding Phase	- Rump Statio	n, Cohstru	Jotion E
ce Main	65			25-Aug-18											ce Main		
875 Construction Bidding Phase- Force Main	65			25-Aug-18									Purpo Cen	tion	struction Bid	ding Phas	e Ford
np Station 325 Construction Phase- Pump Station	399 399			04-Sep-18 04-Sep-18									Construct	ion Phase Pu	■ umo Station		
rce Main		26-Aug-18		24-Mar-19											Force Main		
665 Construction Phase- Force Main	211	26-Aug-18		24-Mar-19											Construction		
pject Completion		25-Mar-19 25-Mar-19		25-Mar-19 25-Mar-19											•	Project Co Project Co	
320 Project Competion	1	25-war-19		∠5-Mar-19							i i					.0,001.00	, inden

D Activity	Name	At Completion Duration	Start	Actual Start	Finish	Actual Finish	2013 2014 2015	2016	20	17	2018	2019	_
01 Facilty Pla	an Undate	1414	18-Oct-12 A	18-Oct-12	01-Sep-16 A	01-Sep-16	Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q Plar Update	13 Q4 Q1 Q2 Q3	Q4 Q1 Q2	Q3 Q4 Q1 Q	2 Q3 Q4 Q1	Q2 Q3	Q4
01 Facility P		1414	18-Oct-12 A	18-Oct-12	01-Sep-16 A	01-Sep-16	Plan Update		,				
Project Procurer	•	97	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	curement						
OP1310 PMO F	Reviews/ Negotiates and Approve Proposal / Agreement	10	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	views/Negotiates and Approve Proposal / Agreem	int					
OP1320 PMOA	Approved Agreement to Council for Approval	18	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	proved Agreement to Council for Approval						
OP1330 Consu	ultant Signed Agreement to City for Execution	14	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	Itant Signed Agreement to City for Execution						
OP1300 Consu	ultant develops and Submit Scope and Cost proposal	10	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	nt develops and Submit Scope and Cost ploposal						
OP1170 CD Pre	equalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	45	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	ification Procurement (FY 2012 - 2018) Priority I - D	evelopment and Issuan	ce of RFP				
							ing Phase						
Planning Phase OP1200 Planni	ing Phase PHASE 2	666	23-Jan-13 A 05-Nov-14 A	05-Nov-14	01-Sep-16 A 01-Sep-16 A	01-Sep-16 01-Sep-16		PHASE 2					
	ing Phase PHASE 1	612	23-Jan-13 A	23- Jan-13	27-Sep-14 A		ing Phase PHASE 1						
						21 000 14	Citico PS and CSOTE	Ungradae					
	CSOTF Upgrades		21-Aug-14 A 21-Aug-14 A		15-Oct-17		Citico PS and CSOTF						
Citico PS and Project Procurer	d CSOTF Upgrades		21-Aug-14 A		26-Jan-15 A	26-Jan-15	Project Procurement						
	Reviews/ Negotiates and Approve Proposal / Agreement		07-Oct-14 A			03-Dec-14		gotiates and Approve Pro	oposal / Agreemer	jat 🛛			
A1050 PMOA	Approved Agreement to Council for Approval	5	04-Dec-14 A	04-Dec-14	09-Dec-14 A	09-Dec-14	PMO Approved	Agreement to Council fo	or Approval				
	Jlant Signed Agreement to City for Execution	47	10-Dec-14 A	10-Dec-14	26-Jan-15 A	26-Jan-15	Consultant Sig	ned Agreement to City fo	or Execution				
								s and Submit Scope and					
	Itant develops and Submit Scope and Cost proposal		20-Sep-14 A			06-Oct-14	•						
A1020 CD Pre	equalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	29	21-Aug-14 A	21-Aug-14	19-Sep-14 A	19-Sep-14	CP Prequalification P	rocurement (FY 2014 - 2	:015) - Developme	ent and Issuance of F	REP		
Planning Phase			11-Feb-15 A		17-Dec-15 A	17-Dec-15							
A1210 SRF F	acility Plan Approval	46	02-Nov-15 A	02-Nov-15	17-Dec-15 A	17-Dec-15		SBF Facility Plan Ap	pproval				
A1200 Planni	ing Phase	264	11-Feb-15 A	11-Feb-15	01-Nov-15 A	01-Nov-15	Planning P	lase					
Engineering Pha			27-May-15 A	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13-Jul-16 A	13-Jul-16	Engi	neering Phase					
A1300 Engine	eering Phase	413	27-May-15 A	27-May-15	13-Jul-16 A	13-Jul-16		eering Phase					
A1600 SRFA	dding Phase dministration Phase		14-Jul-16 A 30-Nov-16 A	14-Jul-16 30-Nov-16	30-Nov-16 A 30-Nov-16 A	30-Nov-16 30-Nov-16		Con	nstruction Bidding SRFAdminis	Phase tration Phase			
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A1500 Constr	ruction Bidding Phase	139	14-Jul-16 A	14-Jul-16	30-Nov-16 A	30-Nov-16		<u></u>	Istruction Bidding	Phase			
Construction Ph			01-Dec-16 A		15-Oct-17				Construction Construction	Phase Phase, Construction	n Phace		
A1700 Constr	ruction Phase			01-Dec-16	15-Oct-17								
	ritors Rehab		02-Jul-15 A		24-May-18			3WWTP Detritors Rehab			•		
	etritors Rehab	1058	02-Jul-15 A	02-Jul-15	24-May-18			anding Phase	<del>'     </del>		•		
A3010 SRF F	acitlity Plan Approval	54	02-Jul-15 A 17-Jan-16 A	02-Jul-15 17-Jan-16	10-Mar-16 A 10-Mar-16 A	10-Mar-16			Plan Approva				
	ino Phase	103	02-Jul-15 A	02-Jul-15	10-Jan-16 A	10-Jan-16		anning Phase					
A3120 TDEC	ase Approval of Contract Documents	311 45	05-Feb-16 A 28-Oct-16 A	05-Feb-16 28-Oct-16	12-Dec-16 A 12-Dec-16 A	12-Dec-16 12-Dec-16		Frameening	TDEC Approva	of Contract Docum	ients		
	eering Phase	-5	05-Feb-16 A			27-Oct-16		Freineering	Phase				
A3200 Construction Bio	dding Phase ruction Bidding Phase	102	13-Dec-16 A 13-Dec-16 A	13-Dec-16 13-Dec-16	25-Mar-17 A 25-Mar-17 A	25-Mar-17 25-Mar-17				Bidding Phase Bidding Phase			
	·				23-Mai-17 A					ruction Phase			
A3300 Constr	1850 ruction Phase		26-Mar-17 A 26-Mar-17 A		24-May-18 24-May-18				Const	nuction Phase, Cons	struction Phase		
		420			,				· · · ·			6	1

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Activity Name	At Completion Start Ac Duration	ctual Start Finish	Actual Finish	2013 Q2 Q3 Q4	2014 Q1 Q2 Q3 Q4 Q	2015 1 Q2 Q3 Q	2016 4 Q1 Q2 Q3 Q4 Q1	2017         2018         2019           Q2         Q3         Q4         Q1         Q2 <t< th=""></t<>
ar's Branch -South Chick Creek 5 Interceptor Rehab	1187 16-Sep-15 A 16	6-Sep-15 15-Dec	18					
iar's Branch-South Chick Creek 5 Interceptor Rehab	1187 16-Sep-15 A 16	6-Sep-15 15-Dec	18			Eria	r's Branch-South Chick Creek	5 Interceptor Rehab
anning Phase	191 16-Sep-15 A 16	6-Sep-15 24-Mar-	6 A 24-Mar-16			Pla	nning Phase	
I020 SRF Facility Plan Approval	38 16-Feb-16 A 16	6-Feb-16 24-Mar-	6 A 24-Mar-16				SRF Facitity Plan Appro	oval .
000 Planning Phase	153 16-Sep-15 A 16	6-Sep-15 15-Feb-	6 A 15-Feb-16	_		Pla	nning Phase	
							Engineering Phase	
gineering Phase 120 SRF Approval of Contract Documents	516 25-Mar-16 A 25 30 24-Jul-17	5-Mar-16 22-Aug 22-Aug					Engineering Phase	SRF Approval of Contract Documents
120 SKr Approval of Contract Documents		22-Aug 5-Mar-16 23-Jul-					Engineering Phase, E	ngineering Phase
	120 23-Aug-17	20-Dec	17					Construction Bidding Phase
nstruction Bidding Phase 220 SRFAdministration Phase	30 21-Nov-17	20-Dec 20-Dec						SRF Administration Phase
200 Construction Bidding Phase	90 23-Aug-17	20-Nov						Construction Bidding Phase
nstruction Phase	360 21-Dec-17	15-Dec						Construction Phase
300 Construction Phase	360 21-Dec-17	15-Dec			South Chie	k PS Phase IIIso	ring Creek PS Upgrades	Construction Phase
th Chick PS Phase II/Spring Creek PS Upgrades	963 21-Aug-14 A 21						d Spring Creek PS Upgrades	₹
uth Chick PS Phase II and Spring Creek PS Upgrades	963 21-Aug-14 A 21						o oping creek ro opgrades	7
oject Procurement	257 21-Aug-14A 21		5 A 05-May-15		Project Pro		es and Approve Proposal / Ag	reement
D30 PMO Reviews/ Negotiates and Approve Proposal / Agreement	163 14-Oct-14 A 14	4-Oct-14 26-Mar-	5 A 26-Mar-15		E MOR	eviews/ wegowat	es and Approve Proposal/ Ag	leenen
040 PMO Approved Agreement to Council for Approval	4 27-Mar-15 A 27	7-Mar-15 31-Mar-	5 A 31-Mar-15			PMO Approve	d Agreement to Council for Ap	proval
050 Consultant Signed Agreement to City for Execution	34 01-Apr-15 A 01	11-Apr-15 05-Mav-	5 A 05-May-15	_		Consultant Si	gned Agreement to City for Ex	ecution
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020 Consultant develops and Submit Scope and Cost proposal	23 20-Sep-14A 20	:0-Sep-14 13-Oct-1	4A 13-Oct-14			I Í I		
CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	29 21-Aug-14 A 21	1-Aug-14 19-Sep-	4 A 19-Sep-14		CD Prequa	alification Procure	ement (FY 2014 - 2015) - Deve	eopment and Issuance of RFP
anning Phase	283 06-May-15 A 06	16-May-15 12-Feb-	6 A 12-Feb-16			Planning Pl	ase	
200 Planning Phase	283 06-May-15 A 06		6 A 12-Feb-16			Planning Pl		
ninearing Direct	161 24-Feb-16 A 24	4-Eeb-16 03-Aug-1	6 A 03-Aug-16				Engineering Phase	
gineering Phase 400 SRF Approval of Contract Documents			6 A 03-Aug-16				SRF Approval of	f Contract Documents
							Engineering Phase	
300 Engineering Phase	117 24-Feb-16 A 24	4-Feb-16 20-Jun-1	6 A 20-Jun-16					
nstruction Bidding Phase	81 04-Aug-16 A 04	· · · · · · · · · · · · · · · · · · ·	6A 24-Oct-16				Construction	Bidding Phase
600 SRF Administration Phase	26 28-Sep-16 A 28	24-Oct-1	6A 24-Oct-16				SRFAdmi	nistration Phase
500 Construction Bidding Phase	54 04-Aug-16 A 04	14-Aug-16 27-Sep-	6 A 27-Sep-16				Construction I	Bidding Phase
activities Phase	165 27-Oct-16 A 27	10-Apr-1	7 A 10-Apr-17				Construc	ction Phase
nstruction Phase 700 Construction Phase	165 27-Oct-16 A 27		7A 10-Apr-17				Construc	ction Phase
				Sewer Rehab				T
er Street Sewer Rehab	1573 07-Sep-12 A 07		6A 28-Dec-16	Sewer Rehab	litation		+ + + + +	
rter Street Sewer Rehabilitation	1573 07-Sep-12A 07		6 A 28-Dec-16		mauon		+ + + + +	
ject Procurement	0 07-Sep-12A 07		2 A 07-Sep-12	rement	nt Decree Projects			
130 Previously Procured Consent Decree Projects	0 07-Sep-12 A 07	17-Sep-12 07-Sep-1	2 A 07-Sep-12	ocured Conse	In Declee Fiblecia			
nning Phase		3-Jan-16 19-Jan-1					Planhing Phase	
150 SRF Facility Plan Approval	4 16-Jan-16A 16	6-Jan-16 19-Jan-1	6 A 19-Jan-16				SRF Facility Plan Approva	
1140 Planning Phase	3 13-Jan-16A 13	3-Jan-16 15-Jan-1	6 A 15-Jan-16				Planning Phase	
aineasting Bhase	79 13-Jan-16A 13	3- Jan-16 01 Apr 1	6A 01-Apr-16				Engineering Phase	
gineering Phase 1170 SRF Approval of Contract Documents		9-Feb-16 01-Apr-1					SRF Approval of Contra	ot Documents
160 Engineering	37 13-Jan-16 A 13	3-Jan-16 18-Feb-	6 A 18-Feb-16				Engineering	
nstruction Bidding Phase	78 04-Apr-16 A 04	14-Apr-16 21-Jun-1	6A 21-Jun-16				Construction Bidding	
190 SRF Administration Phase	0 17-Jun-16A 17	7-Jun-16 17-Jun-1	6A 17-Jun-16				SRF Administrati	ion Phase

Summary Critical Remaining V Actual Level of Effort Actual Work

Remaining Work



ID	Activity Name	At Completion	Start	Actual Start	Finish	Actual Finish	2013	2014	2015	2016 2017	2018	2019	2
-		Duration					Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 (	Q4 Q1
Al1180	Construction Bidding Phase	78	04-Apr-16 A	04-Apr-16	21-Jun-16 A	21-Jun-16				Construction Bidding Phase			
Construct	tion Phase	126	24-Aug-16 A	24-Aug-16	28-Dec-16 A	28-Dec-16				Construction Phase			
Al1200	Construction Phase	126	24-Aug-16 A	24-Aug-16	28-Dec-16 A	28-Dec-16				Construction Phase			
вумт	P Control Room Upgrade		30-Nov-15 A		04-May-18					MBWWTP Control Room Upgrade			
	P Control Room Upgrades		30-Nov-15 A		04-May-18					MBWWTP Control Room Upgrades			
Project Ex	(ecution	553	30-Nov-15 A	30-Nov-15	04-Jun-17					Project Execution			
A4390	Project Execution	553	30-Nov-15 A	30-Nov-15	04-Jun-17					Project Execution, Project Execution			
Planning I	Phase	358	01-Dec-15 A	01-Dec-15	23-Nov-16 A	23-Nov-16				Planning Phase			
A4400	Planning	358	01-Dec-15 A	01-Dec-15	23-Nov-16 A	23-Nov-16				Planning			
Engineeri	ng Phase	222	05-Oct-16 A	05-Oct-16	15-May-17 A	15-May-17				Engineering Phase			
A4410	Engineering	222	05-Oct-16 A	05-Oct-16	15-May-17 A	15-May-17				Engineering			
Construct	ion Bidding Phase	93	16-May-17 A	16-May-17	16-Aug-17						Bidding Phase		
A4420	Construction Bidding Phase	93	16-May-17 A	16-May-17	16-Aug-17					Construction	Bidding Phase, Constru	ction Bidding Pha	ise
		001	17-Aug-17		04-May-18					Constru	ction Phase		
	tion Phase Construction Phase	261	· · · ·		04-May-18 04-May-18						ction Phase		

Remaining Work

