

July 30, 2018

VIA CERTIFIED MAIL

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

Re: United States of America et. al. v. City of Chattanooga, No. 1:12-cv-0024 Semi-Annual Work Progress Report No. 10 – January 2018 to June 2018

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 tenth 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 30, 2018 Page Two

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

Sincerely,

Jeffrey A. Rose, P.E.

Interim 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 Engineering



# Semi-Annual Work Progress Report No. 10

## **January 1 – June 30, 2018**

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<sup>®</sup>

Jacobs Engineering Group Inc. Consent Decree Program Manager

Chattanooga, Tennessee

July 30, 2018

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## **Acronyms and Abbreviations**

ARAP Aquatic Resource Alteration Permit

CAP Capacity Assurance Program

CD Consent Decree

CIPP Cured in Place Pipe

CMOM Capacity, Management, Operations, and Management

CSO Combined Sewer Overflow

CSOTF Combined Sewer Overflow Treatment Facility

CSS Combined Sewer System

EFT Electronic Funds Transfer

EPA Environmental Protection Agency

ESIP Enterprise South Industrial Park

FOG Fats, Oils, and Grease

FSE Food Service Establishments

GLPMP Gravity Line Preventative Maintenance Program

HVAC Heating, Ventilation, and Air Conditioning

I/I Inflow and Infiltration

IPS Influent Pump Station

ISS Interceptor Sewer System

LF Linear Feet

LTCP Long Term Control Plan

MBWWTP Moccasin Bend Wastewater Treatment Plant

MCC Motor Control Center

MGD Million Gallons per Day

N/A Not Applicable

NOAA National Oceanic and Atmospheric Administration

NPDES National Pollution Discharge Elimination System

NTP Notice to Proceed

PCP Process Controls Program

PCCMP Post Construction Compliance Monitoring Program

PDR Public Document Repository

PLC Programmable Logic Controller

PS Pump Station

PSOP Pump Station Operations Program

PSPMP Pump Station Preventive Maintenance Program

RDII Rain-derived Infiltration and Inflow

RFQ Request for Quotation

SCADA Supervisory Control and Data Acquisition

SORP Sewer Overflow Response Protocol

SRF State Revolving Funds

SSES Sanitary Sewer Evaluation Study

SSO Sanitary Sewer Overflow

SUO Sewer Use Ordinance

TCWN Tennessee Clean Water Network

TDEC Tennessee Department of Environment and Conservation

TDOT Tennessee Department of Transportation

USDOJ United States Department of Justice

VFD Variable Frequency Drive

WCTS Waste Collection and Transmission System

WRD Waste Resources Division

WWTA Wastewater Treatment Authority

## 1.0 Executive Summary

On April 24, 2013, the City of Chattanooga ("City") entered into a consent decree with the United States and the State of Tennessee, in the case styled *United States of America et. al. v. City of Chattanooga, No. 1:12-cv-00245* ("CD"). This Semi-Annual Work Progress Report (Report) has been prepared pursuant to the requirements of paragraph 39 of the CD. In accordance with the CD, this Report presents the major milestones achieved in the last 6 months, and also provides projections for activities anticipated to be completed in the following 6 months. This Report presents milestones achieved from January 1, 2018 through June 30, 2018 ("Report Period"), and the projections cover the period of July 1, 2018 through December 31, 2018.

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

**Table 1-1**Completed Projects and Submitted Consent Decree Deliverables for the Current Reporting Period

CD Projects and Deliverables	CD Reference	CD Deadline	Submittal Date/ Completion Date
Quarterly Report No. 18	Section IX., para 38	1/31/2018	1/29/2018
Quarterly Report No. 19	Section IX., para 38	4/30/2018	4/25/2018
Semi-Annual Work Progress Report No. 9	Section IX., para 39	1/31/2018	1/29/2018
Annual Report No 5	Section IX., para 40	2/28/2018	2/27/2018
Focused Sanitary Sewer Evaluation Services ("SSES") and Rehab – Chattanooga Creek 4	Section VI, para 21	7/24/2020	3/9/2018
Focused SSES and Rehab – Dobb's Branch 3	Section VI, para 21	7/24/2020	6/30/2018
DuPont Pump Station ("PS") and Basin Improvements – Phase 1	Section VI, para 22	4/24/2018	3/17/2018
Orchard Knob PS Improvements	Section VI, para 22	4/24/2018	6/21/2017
Agawela Drive Stream Restoration – Supplemental Environmental Project ("SEP")	Section VIII, para 31	5/24/2018	5/21/2018
Highland Park GI Demonstration Project - Construction	Section VII, para 30	10/23/2018	3/15/2017
East Brainerd PS Rehabilitation*	Section VI, para 22	4/24/2018	6/12/2018

<sup>\*</sup> Please see project details for description of delay

Table 1-2 lists the projects and deliverables that the City expects to complete during the upcoming semi-annual period of July 1, 2018 through December 31, 2018. This information is also available in Gantt chart format in Appendix A.

**Table 1-2**Anticipated Completed Projects and Consent Decree Deliverables for the Next Reporting Period

CD Projects and Deliverables	CD Reference	CD Deadline	Anticipated Submittal/ Completion Date
Focused SSES and Rehab – South Chickamauga Creek 1-Phase 1	Section VI, para 21	7/24/2020	7/26/2018
Focused SSES and Rehab – South Chickamauga Creek 5	Section VI, para 21	7/24/2020	7/30/2018
East Brainerd PS Rehabilitation*	Section VI, para 22	4/24/2018	6/3/2018
Friars Branch PS Improvements*	Section VI, para 22	4/24/2018	10/2/2018
Friars Branch Basin Improvements*	Section VI, para 22	4/24/2018	7/30/2018
Highland Park GI Demonstration Project - Workshop	Section VII, para 30	4/24/2019	10/17/2018
Citico PS and CSOTF Upgrades**	Section IX, para 39(c)	N/A	7/30/2018
South Chick PS Phase II and Spring Creek PS Upgrades**	Section IX, para 39(c)	N/A	8/28/2018
MBWWTP Detritors Rehab**	Section IX, para 39(c)	N/A	8/2/2018
MBWWTP Control Room Upgrades**	Section IX, para 39(c)	N/A	12/24/2018
MBWWTP Secondary Clarifier Upgrades and Additions**	Section IX, para 39(c)	N/A	12/24/2018

<sup>\*</sup> Please see project details for description of delay

<sup>\*\*</sup> Additional project per paragraph 39(c) of CD

## 2.0 Introduction

## 2.1 Purpose

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

## 2.2 Requirements

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

- 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;
- A summary of significant projects and activities anticipated to be performed, and milestones anticipated to be achieved, in the successive 6-month period to comply with the requirements of the CD, in Gantt chart or similar format; and
- 3. Any additional information the City determines is appropriate to demonstrate that the City is implementing the remedial actions required under the CD in an adequate and timely manner.

## 2.3 Report Structure

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

## 3.0 Work Progress

## 3.1 Capacity, Management, Operations and Management ("CMOM") Programs

#### 3.1.1 CMOM-Sewer Overflow Response Protocol ("SORP") (completed)

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

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

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

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

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

#### 3.1.4 CMOM-Gravity Line Preventive Maintenance Program ("GLPMP") (completed)

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

### 3.1.5 CMOM-PS Operations Program ("PSOP") (completed)

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

### 3.1.6 CMOM-PS Preventive Maintenance Program ("PSPMP") (completed)

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

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

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

### 3.1.8 CMOM-CAP (completed)

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

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

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

## 3.2 Sanitary Sewer Evaluation Study ("SSES") Work Plan (completed)

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

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

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The Chattanooga Creek 4 sewer sub-basin consists of approximately 69,504 linear feet ("LF") of sanitary sewer piping, ranging from 6-inch to 48-inch diameter. The Notice to Proceed ("NTP") for professional services was issued April 19, 2013, and SSES investigations were completed on approximately 61,567 LF of sewer by April 2014. The Preliminary Engineering Report ("PER") was submitted November 5, 2014 and approved November 7, 2014. Approximately 42,930 LF of sanitary sewer were designated for rehabilitation. The final design was submitted to TDEC for review on March 28, 2016 and approval was received on July 8, 2016. Bidding began on July 9, 2016 and construction began March 2, 2017. 41,069 LF of pipe was rehabilitated and construction was completed on March 9, 2018.

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

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The Dobbs Branch 3 sewer sub-basin consists of approximately 47,381 LF of sanitary sewer piping, ranging from 6-inch to 24-inch diameter. The NTP for professional services was issued April 19, 2013, and SSES investigations were completed for approximately 44,740 LF of sewer by October 4, 2013. The PER was submitted to the City on May 15, 2014 and approved May 16, 2014. Approximately 32,225 LF of sanitary sewer were designated for rehabilitation. The design was completed and submitted to TDEC on October 6, 2015 and approval was received from TDEC on October 28, 2015. Bidding began on October 29, 2015, and NTP for construction was issued March 14, 2016. Final completion of the original contract was met on May 7, 2017. Additional work added to the contract included cleaning approximately 1,980 LF of 78" sewer interceptor and 48" triple barrel stream crossing immediately upstream of the 23rd street PS, as well as cleaning the wet well at the 23rd street PS. 32,326 LF of pipeline was rehabilitated and construction was completed on June 30, 2018.

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

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

<u>Phase 1</u> - The NTP for professional services was issued June 26, 2013, and SSES investigations were completed for approximately 69,751 LF of sewer by January 17, 2014 Approximately 13,257 LF of sanitary sewer were designated for rehabilitation. Final design was completed and the project was submitted to TDEC for approval on November 26, 2016. Contract bidding began December 29, 2016 and the NTP for construction was issued July 7, 2017. Construction is anticipated to be complete in the second half of 2018.

<u>Phase 2</u> - Based on the results of the SSES it was determined that a PS will be installed to eliminate portions of the gravity sewer located in the flood plain to increase Inflow and Infiltration ("I/I") removal, and improve maintenance and reliability of the collection system infrastructure in the basin. The PS will redirect flows from the existing 12-inch sewer interceptor along the Tennessee River and South Chickamauga Creek shoreline to collection sewer pipelines feeding the 48-inch interceptor on Amnicola Highway. In addition to the PS, the project includes the installation of approximately 2,700 LF of force main and 1,100 LF of gravity sewer, and the abandonment of approximately 5,700 LF of 12-inch to 15-inch gravity interceptor and associated manholes. An NTP for professional services is anticipated in the second half of 2018.

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

This project represents 1 of the 5 Phase I priority sewer sub-basins and is being executed in accordance with Paragraph 21 of the CD. The South Chickamauga Creek 5 sewer sub-basin consists of approximately 89,414 LF of sanitary sewer piping, ranging from 6-inch to 36-inch diameter. The NTP for professional services was issued April 18, 2013, and SSES investigations were completed for approximately 73,923 LF of sewer piping in 2014. The PER was submitted on January 8, 2015 and approximately 19,560 LF of sanitary sewer were recommended for rehabilitation. Final design was completed and the project was submitted to TDEC on November 7, 2016 and approval was received February 10, 2017. Bidding began November 08, 2016 and construction began May 30, 2017. This project is anticipated to be completed in the second half of 2018.

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

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

## 3.3 Early Action Capital Improvement Projects

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

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

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

Phase 1 includes SSES and rehabilitation of sewers within the DuPont PS service area which are within three selected sub-basins (North Chickamauga Creek 1, North Chickamauga Creek 3, and Tennessee River 10). The total amount of sewer estimated from these basins for SSES is approximately 270,008 LF ranging from 8-inch to 48-inch diameter. The NTP for Phase 1 professional services was issued on April 19, 2013, and SSES has been performed on approximately 242,966 LF of sewer piping and from the results of the SSES, approximately 27,468 LF of sanitary sewer and service pipelines were designated for rehabilitation and approximately 1,800 LF of pipeline will be relocated out of an environmentally sensitive area. The final PER was submitted on September 5, 2014, and the design was completed and submitted to TDEC for review and approval on August 24, 2015. TDEC approval was received December 2, 2015. The bidding phase began on December 3, 2015 and the NTP for construction was issued March 16, 2016. Construction began April 15, 2016 and a total of 24,841.5 LF of pipeline was installed. Construction was completed March 17, 2018.

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

#### 3.3.1.2 Collegedale PS Improvements (completed)

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

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

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

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

PS Rehabilitation- The PS upgrade will include constructing one cast-in-place wet-well containing four submersible pumps and appurtenances; one precast electrical building approximately 20feet by 30-feet containing variable frequency drives, necessary electrical gear to support the submersible pumps, restroom facility and HVAC units; a 30-inch force main approximately 500 LF in length connecting the new PS with the discharge manhole at the force main sewer discharge; and an on-site emergency generator and switch gear to power the new PS. The NTP for professional services was issued March 26, 2011. The design was submitted to TDEC on August 2, 2014 and approval of the contract documents for the PS rehabilitation was received on January 29, 2015. Bids were received on May 7, 2015, and the contract was awarded on July 16, 2015. The NTP for the PS rehabilitation construction contract was issued August 7, 2015. Early in the excavation process, the contractor's subcontractor was blasting rock and caused damage to the existing PS, which was in use. This resulted in the contractor significantly falling behind schedule as they had to refocus their efforts on emergency bypassing and repairing the PS to prevent environmental damage from SSOs. This effort took significant manpower and time. Upon completing the repair of the existing PS, the contractor resumed efforts on the new PS excavation, but was further restricted as they could no longer blast the rock in this area. Additionally, the contractor encountered rock material they found to be more difficult to excavate than they originally planned, and this ultimately extended the duration of the project by approximately six months. Substantial Completion was achieved June 12, 2018.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

#### 3.3.1.11 Orchard Knob PS Improvements

The Orchard Knob PS Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. The upgrade involves the replacement of the existing pumps, piping, valves, electrical controls and instrumentation, and back-up generator. The NTP for professional services was issued January 22, 2013, and the final PER was submitted to the City on February 28, 2014. The final design was submitted to TDEC on August 20, 2015 and approval was received October 12, 2015. The project bid phase started on October 21, 2015 and the NTP for construction was issued March 18, 2016. Substantial completion was obtained on June 21, 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. The project was originally bid in March 2016 with an apparent low bid contractor. However, at that time the City was in mediation with the same low bid contractor on another SRF Consent Decree project. As a result, the City decided that the original bid should be canceled and rebid. This added an additional 10 months to the project schedule. The schedule was also delayed due to issues related to refitting and testing the pumps. Completion is now anticipated for the second half of 2018.

#### 3.3.1.13 Friars Branch Basin Improvements

The Friars Branch Basin Improvements project is being performed pursuant to Paragraph 22 and Appendix C of the CD. This project involves rehabilitation of portions of the collection system in the Friars Branch basin. The sewer basin consists of approximately 221,344 LF of sanitary sewer piping, ranging from 4-inch to 30-inch diameter. The NTP for professional services was issued on April 18, 2013 and SSES investigations were conducted on approximately 214,104 LF of sewer piping as of December 10, 2013. From the results of the SSES, approximately 20,827 LF of sanitary sewer, service pipeline, and the associated manholes were designated to be rehabilitated. The PER was approved by the City on January 28, 2015 and the design was completed and submitted to TDEC December 24, 2016. Construction began April 28, 2017. After the project began, the City determined it wanted to add the rehabilitation of 6,030 LF of 30 and

36-inch pipelines, as well as the surface and subsurface rehabilitation of 23 manholes, which extended the project schedule by five months. Final completion is now anticipated in the second half of 2018.

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

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

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

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

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

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

#### 3.3.2 MBWWTP Projects

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

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

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

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

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

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

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

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

#### 3.3.3 CSO Projects

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

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

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

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

#### 3.3.4 Operations Projects

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

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

## 3.3.4.2 MBWWTP Telemetry and Supervisory Control and Data Acquisition ("SCADA") Upgrades (Completed)

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

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

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

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

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

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

## 3.5 MBWWTP Process Controls Program (completed)

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

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

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

## 3.7 Civil Penalty

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

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

#### 3.7.1 Cash Payment (completed)

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

#### 3.7.2 Highland Park GI Demonstration Project

The Highland Park Green Infrastructure Demonstration Project ("State Project") is currently being performed pursuant to Appendix D of the CD. The State Project involves retrofitting a portion of the Highland Park neighborhood in Chattanooga with green infrastructure through the use of green infrastructure practices such as streetscapes, pervious pavement, tree boxes, bio-swales and bio-retention facilities. The NTP for professional services was issued January 1, 2013. A project plan was developed and submitted to the EPA on October 24, 2013, and approval of the plan was received April 25, 2014. The final design was approved by the EPA on October 23, 2014. The bid phase began on October 23, 2014, and construction began May 25, 2017, and construction was completed on March 15, 2017. The mayor's ribbon cutting ceremony was conducted on May 25, 2018, and the GI design workshop is scheduled to occur in the second half of 2018.

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

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 completed on March 15, 2017. Additional scope was then added to the project, and the SEP Completion Report required per paragraph 33 of the CD was submitted May 21, 2018. EPA approved the submittal in a letter dated June 25, 2018.

## 3.9 Reporting Requirements

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

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

- Annual Reports, including trends and analyses of the results of the Chattanooga CD programs including CMOM and SSO reduction programs.

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

- Quarterly Reports 1 19;
- Semi-Annual Work Progress Reports 1 9, and
- Annual Report 1 5.

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

- Quarterly Reports 20 and 21;
- Semi-Annual Work Progress Report 10; and
- Annual Report 6.

## 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. The City is anticipating a demand letter during the next reporting period for 2017 SSOs.

## 4.0 Additional Work

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

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

## 4.1 201 Facility Plan Update (completed)

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

## 4.2 MBWWTP Backup Electrical Power (complete)

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

## 4.3 Citico PS and CSOTF Upgrades

The Citico PS and CSOTF Upgrades project involves the design and construction of pumping improvements to the Citico CSOTF to restore ISS capacity, improve reliability, reduce SSOs, and comply with State and Federal regulations. The project includes an evaluation of the Citico PS to determine improvements necessary to operate the PS at design capacity as well as design and construction oversight of the selected improvements. A consultant has been contracted to perform the design and the NTP for professional services was issued on January 27, 2015. TDEC approval of the plans was received November 30, 2016. Bidding commenced July 14, 2016, and construction began December 1, 2016. Construction is anticipated to be complete in the second half of 2018.

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

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

evaluate and design improvements for the Spring Creek PS in order to meet or exceed the rated capacity of the existing PS. Improvements for both pumping stations have been scoped under a single contract. The NTP for professional services was awarded on May 6, 2015. Comments were received from TDEC on May 4, 2016 and plans were resubmitted May 16, 2016. TDEC approval was received August 3, 2016. Bidding commenced on August 4, 2016 and the NTP for construction services was issued October 27, 2016 and construction for rehabilitation of the Northwest Georgia Interceptor was completed April 10, 2017. Additional evaluation of the Spring Creek PS force main using SmartBall technology was performed October 11, 2017, but due to field issues, analysis of the data was not performed. The evaluation is anticipated to be completed in the second half of 2018.

## 4.5 Carter Street Sewer Rehabilitation (completed)

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

#### 4.6 MBWWTP – Detritors Rehabilitation

This project involves the rehabilitation and upgrade of the influent grit detritors and related splitter box at the MBWWTP. This project will improve reliability and prevent equipment failure that could lead to bypasses during peak flows by updating aging infrastructure. The NTP for professional services was awarded on July 1, 2015. The project was submitted to TDEC on October 28, 2016, and approval was received on December 12, 2016. Bidding began December 13, 2016, and construction began March 26, 2017. Construction is anticipated to be complete in the second half of 2018.

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

This project involves the rehabilitation of portions of the collection system in the Friars Branch and South Chickamauga Creek 5 Sub Basins using trenchless technologies. Approximately 23,640 LF of gravity sewer line was identified for evaluation. Trenchless rehabilitation allows the City to conduct the repairs while limiting disturbances to the areas near the work site. The NTP for professional services was awarded on August 6, 2015 and SSES investigations were conducted on approximately 23,640 LF of sewer line. From the results of the SSES, approximately 9,469 LF of sanitary sewer, service pipeline, and associated manholes were designated to be rehabilitated. The PER was approved February 2, 2016 and bidding began November 18, 2017. Construction commenced March 22, 2018, and is anticipated to be complete in the first half of 2019.

## 4.8 MBWWTP-Control Room Upgrades

This project involves improvements to the existing MBWWTP control room with including building renovations, computer hardware, software, and logic coding upgrades to the SCADA System. The upgrades will allow the Waste Resources Division ("WRD") to operate and manage the

wastewater system more efficiently and reliable through the SCADA system. The NTP for professional services was awarded on November 30, 2015. Bidding commenced on May 16, 2017, and construction began December 23, 2017. Construction is anticipated to be complete in the second half of 2018.

## 4.9 Citico PS Reliability Improvements

This project consists of the addition of an emergency backup pumping system, the addition of an emergency standby generator that is capable of running the entire station at its rated flowrate of 117 MGD, and electrical reliability improvements. The NTP for professional services was issued November 23, 2016. Construction bidding began May 16, 2017, and construction began on September 1, 2017. Construction is anticipated to be complete in the second half of 2019.

## 4.10 Brainerd Golf Course PS Safety Upgrade

This project involves making safety improvements to the East Brainerd Golf Course PS. This work includes the replacement and upgrade of the existing pumps, piping, valves, electrical and instrumentation equipment. The upgrades will allow the station to increase its capacity, performance and reliability and help to reduce SSOs in the area. The Request for Quotation ("RFQ") for professional services was issued on December 20, 2016, and the project is currently in the design phase. Bidding is scheduled to begin in the second half of 2018.

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

This project is a major component of the ISS plan to reduce system overflows and stay within compliance of the EPA mandated Chattanooga CD Program. This project will construct Phase 1, 2 & 3 of wet weather storage system at the Hamm Rd site and store peak wet weather flows, prevent sanitary sewer overflows at the West Bank Overflow, and meet the future capacity requirements as set forth in the Consent Decree. The project will also increase reliability throughout the combined and sanitary sewer system in the event of a power or mechanical failure. This project will provide the City with the system capacity necessary to approve future developments and promote growth throughout the City and surrounding areas. The NTP for professional services was awarded on November 3, 2017, and the project is currently in the planning phase. Bidding is anticipated to commence in the second half of 2018.

## 4.12 MBWWTP Secondary Clarifier Upgrades and Additions

The MBWWTP Secondary Upgrades and Additions project is required under Paragraph 22 and Appendix C of the CD. The project will provide evaluation and design of improvements to increase the MBWWTP secondary treatment capacity from 140 MGD to 150 MGD. Improvements involve the addition of two new secondary clarifiers, flow control to new and existing clarifiers, additional chlorine contact volume, and associated yard piping. An evaluation of the liquid stream processes at the plant will also be conducted. The NTP for professional services was issued February 12, 2015 and the PER was completed in November of 2015. The detailed design was completed and

submitted to TDEC for approval on May 16, 2016 and approval was received July 7, 2016. Bidding began July 20, 2016. Bidding was completed March 27, 2017 and construction commenced March 28, 2017. The project is anticipated to be complete in the second half of 2018.

## 4.13 CSOTF Study (completed)

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

## 4.14 CSOTF Improvements - Phase 1

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

## 4.15 Dobbs Branch Basin Improvements – Phase 1

This project involves the creation of construction documents for the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 3 and 4. The construction documents will provide rehabilitation for sewer segments and associated manholes that have not previously been restored. Pipeline rehabilitation methods will include cured-in-place-pipe ("CIPP"), point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 138,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. This project is currently in the procurement phase and detailed design is anticipated to begin in the second half of 2018.

## 4.16 Dobbs Branch Basin Improvements – Phase 2

This project involves the creation of construction documents for the rehabilitation of up to 100,000 LF of 8-inch to 24-inch sanitary sewers in the Dobbs Branch sub-basins 5 and 6. The construction documents will provide rehabilitation for sewer segments and associated manholes that have not previously been restored. Pipeline rehabilitation methods will include CIPP, point repairs, pipe bursting, and/or open cut replacement. The design also includes the rehabilitation of up to 400 manholes within the sewer basin through the installation of a watertight spray-on liner. A smoke testing investigation of the 137,000 LF basin will be performed to identify illicit connections. Tabulated and ranked data will be provided to the City for execution outside the contract. This project is currently in the procurement phase and detailed design is anticipated to begin in the second half of 2018.

## 4.17 South Chickamauga Interceptor Improvements - Phase 1

This project involves the rehabilitation of approximately 4,000 LF of 60-inch interceptor pipeline and selected manholes in the South Chickamauga Creek basin. Pipeline rehabilitation methods will include CIPP, point repairs, and open cut replacement. This project will reduce I/I and SSOs in an interceptor that has been identified as high priority by an SSES and will restore collection system capacity. This project is in the detailed design phase and construction bidding is anticipated to begin in the second half of 2018.

## 4.18 Selected PS Safety Upgrades

This project involves the evaluation, design and construction of new (replacement) wastewater PSs at two locations: Murray Hills #5, off of Webb Road and Brainerd Manor located off of Moore Road, near the airport. The existing stations are "can" stations and are in need of new standard PSs utilizing the existing design criteria in regards to flow data, pump requirements, wet well size, etc. per respective station. This project is currently in the procurement phase, and construction is anticipated to be complete in the second half of 2019.

# Appendix A Project Schedules Gantt Chart

Activity ID Activity Name	Start	Actual Start	Finish Actual Finish	Duration %	%         2010         2011         2012         2013         2014         2015         2016         2017         2018         2019         2020
	26-Nov-08 A	26-Nov-08	20-Jul-21	Complete	e Q4 Q1 Q2 Q3 Q4 Q
Chattanooga Consent Decree Deliverables Schedule			24-Apr-13 A 24-Apr-13	00.08%	Program Milestones
Program Milestones	24-Apr-13 A			0%	
Program Milestones	<u> </u>	24-Apr-13	24-Apr-13 A 24-Apr-13	0%	Program Milestones  Concort Decree Effective Date
Consent Decree Effective Date	24-Apr-13 A	·	24-Apr-13 A 24-Apr-13	0%	Consent Decree Effective Date
PROGRAM MILESTONES  East Consent Decree Effective Date	24-Apr-13 A 24-Apr-13 A		24-Apr-13 A 24-Apr-13	100%	
Last Consent Decide Lifetilive Date	24-Api-13 A	24-Api-13		100%	Consent Degree Effective Date
Section II - Applicability	24-Apr-13 A	24-Apr-13	24-May-13 A 24-May-13	100%	
Para 5 - Distribute CD	24-Apr-13 A	24-Apr-13	24-May-13 A 24-May-13	100%	
Distribute Consent Decree	24-Apr-13 A	24-Apr-13	24-May-13 A 24-May-13	100%	<mark>- </mark>
Consent Decree Duration (1 Month)	24-Apr-13 A		24-May-13 A 24-May-13	100%	
BA1010 Distribute CD to All Entities/People Who Will Have Duties Associated with Compliance of CD	24-Apr-13 A	24-Apr-13	24-May-13 A 24-May-13	100%	
Section V - Review / Certification of Deliverables	24-Apr-13 A	24-Apr-13	10-Oct-13 A 10-Oct-13	100%	Section V - Review / Certification of Deliverables
Para 9 - Public Document Repository	24-Apr-13 A	24-Apr-13	10-Oct-13 A 10-Oct-13	100%	Para 9 - Public Document Repository
Public Document Repository	24-Apr-13 A	24-Apr-13	10-Oct-13 A 10-Oct-13	100%	20 Public Document Repository
Consent Decree Duration	24-Apr-13 A	24-Apr-13	10-Oct-13 A 10-Oct-13	100%	
BB1010 Set up PDR Before First Reviewable CD Submittal is Due	24-Apr-13 A	24-Apr-13	10-Oct-13 A 10-Oct-13	100%	Settup PDR Before First Reviewable CD Submittal is Due
Section VI - Compliance Requirements	26-Nov-08 A	26-Nov-08	26-Aug-20	73.39%	mpliance Requirements
Para 19 - Community Input Plan	24-Apr-13 A	24-Apr-13	25-Nov-13 A 25-Nov-13	100%	Para 19 - Community Input Plan
Community Input Plan	24-Apr-13 A	24-Apr-13	25-Nov-13 A 25-Nov-13	100%	Community Input Plan
Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-13 A 24-Nov-13	100%	Consent Decree Duration
A4310 Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-13 A 24-Nov-13	100%	Consent Decree Duration
Community Input Plan	24-Apr-13 A	24-Apr-13	25-Nov-13 A 25-Nov-13	100%	Community Input Plan
BC1010 Community Input Plan Development	24-Apr-13 A	24-Apr-13	24-Nov-13 A 24-Nov-13	100%	Community Input Plan Development
BC1020 Community Input Plan Submitted to WWRAB	25-Nov-13 A	25-Nov-13	25-Nov-13 A 25-Nov-13	100%	Community Input Plan Submitted to WWRAB
	26-Nov-08 A	26-Nov-08	28-Sep-16 A 28-Sep-16	100%	
Para 20 - CMOM	15-Jul-12 A		05-Jun-14 A 05-Jun-14	100%	
CMOM-Sewer Overflow Response Protocol (SORP)			25-Nov-13 A 25-Nov-13	100%	
Consent Decree Duration (7 Months) OA0100 Consent Decree Duration (7 Months)	24-Apr-13 A 24-Apr-13 A		25-Nov-13 A 25-Nov-13	100%	
OACMO Connect Description Correlation Milestone	·		25 Nov. 42 A 25 Nov. 42	100%	
OA0110 Consent Decree Duration Completion Milestone			25-Nov-13 A 25-Nov-13	100%	Consent Decree Duration Completion Milestone
Project Procurement	15-Jul-12 A		15-Jul-12 A 15-Jul-12	0%	
OA0200 PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A 15-Jul-12	100%	PM Procurement
Planning Phase	15-Jul-12 A		22-Oct-13 A 22-Oct-13	100%	
OA0010 Adminstration Period	15-Jul-12 A	15-Jul-12	28-Feb-13 A 28-Feb-13	100%	ò
OA1000 Planning Phase	01-Mar-13 A	01-Mar-13	22-Oct-13 A 22-Oct-13	100%	Blanning Phase
Public Document Repository	23-Oct-13 A	23-Oct-13	25-Nov-13 A 25-Nov-13	100%	Bublic Document Repository
OA2000 Submit Draft Deliverable to Reference Librarian	23-Oct-13 A	23-Oct-13	23-Oct-13 A 23-Oct-13	100%	Submit Draft Deliverable to Reference Librarian
OA2010 Post Copy of Draft Deliverable on City's Website	23-Oct-13 A	23-Oct-13	23-Oct-13 A 23-Oct-13	100%	Post Copy of Draft Deliverable on City's Website
OA2020 Public Review Period	24-Oct-13 A	24-Oct-13	24-Nov-13 A 24-Nov-13	100%	Public Review Period
OA2030 Public Comment Review Period	23-Nov-13 A	23-Nov-13	25-Nov-13 A 25-Nov-13	100%	Public Comment Review Period
OA2040 Submit Deliverable to EPA, TDEC and Provide notice to TCWN			25-Nov-13 A 25-Nov-13	100%	Submit Deliverable to EPA, TDEC and Provide notice to TCWN
EPA and TDEC Approvals	26-Nov-13 A	26-Nov-13	05-Jun-14 A 05-Jun-14	100%	
OA0900 Place Copy of EPA and TDEC Submittal in PDR	26-Nov-13 A	26-Nov-13	04-Dec-13 A 04-Dec-13	100%	Place Copy of EPA and TDEC Submittal In PDR
OA0910 EPA /TDEC Review	26-Nov-13 A	26-Nov-13	28-May-14 A 28-May-14	100%	6 EPA/TDEC Review
OA0920 Address Comments for Final EPA / TDEC Approval	29-Mar-14 A	29-Mar-14	29-May-14 A 29-May-14	100%	Address Comments for Final EPA/TDEC Approval
OA0930 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	30-May-14 A	30-May-14	05-Jun-14 A 05-Jun-14	100%	Submit Copy of Approved Deliverable in the PDR (with(n 7 days following Receipt of Approval by EPA)





Critical Remaining W...

Baseline Milestone

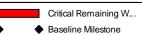




Activ	ity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %		010	2011	2012		2013		2014	201		2016		2017		2018	20	19	2020
			10.001.10.1	10.0-110	14 Dec 45 A	44.045		Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3 Q	4 Q1 Q2 (	Q3 Q4 Q1	Q2 Q3	Q4 Q1 Q: y Response	2 Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2 Q3 C	24 Q1 Q2	2 Q3 Q	Q4 Q1 Q:	2 Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2 Q3
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Ш		Duration (19 Months)	24-Apr-13 A		24-Nov-14 A		100%							Decree Dur											
Ш	OB0100	Consent Decree Duration (19 Months)	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	100%						Consen	Decree Dur	ation (19 N	iontns)									
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Ш	OB1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	16-OCI-12 A	16-OCI-12	01-Dec-12 A	01-Dec-12	100%								( 20 .										
Ш	OB1010	Consultant develops and Submit Scope and Cost proposal	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	100%					Consulta	ant develo	ps and Subm	nit Scope a	ind Cost pro	posal								
Ш	OB1020	PMO Reviews/ Negotiates and Approve Proposal / Agreement	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	100%					PMO Re	; eviews/Ne	gotiates and	Approve P	roposal / Ag	greement								
Ш																	.								
Ш	OB1030	PMO Approved Agreement to Council for Approval	18-Oct-12 A	18-Oct-12	04-Nov-12 A	04-Nov-12	100%					РМФАР	proved Ag	reement to C	ouncilitor	Approvai	.								
Ш	OB1040	Consultant Signed Agreement to City for Execution	18-Oct-12 A	18-Oct-12	31-Oct-12 A	31-Oct-12	100%					Consulta	ant Signed	Agreement	to City for I	Execution	.								
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Ш	OB2010	Program Manager / Owner Review and Coordination	21-Aug-14 A	21-Aug-14	12-Oct-14 A	12-Oct-14	100%								Progr	am Manage	r/Owner	Review and Co	ordination						
Ш	Public Document	t Repository	12-Oct-14 A	12-Oct-14	20-Nov-14 A	20-Nov-14	100%								Pu	blic Docume	ent Repos	itory							
Ш	OB3000	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	100%								Su	bmit Draft D	)eliverable	e to Reference L	ibrarian						
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Ш	OB3010	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	100%								ro	SI CODY OF L	nan Delive	stable on City's	vvensite						
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Ш	OB3040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			20-Nov-14 A	20-Nov-14	100%									Submit Deliv	verable to	EPA, TDEC and	Provide no	otice to To	CWN				
Ш	EPA and TDEC A	nprovals	21-Nov-14 A	21-Nov-14	14-Dec-15 A	14-Dec-15	100%								1	PA and TD	EC Appro	vals							
Ш	OB0900	Place Copy of EPA and TDEC Submittal in PDR	21-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14	100%									-		nd TDEC Submitt	tal in PDR						
Ш	OD0040	FDA /TDFC Davidani	24 Nov. 44 A	24 Nov. 44	42 May 45 A	42 Mar 45	4000/									PA/TDEC	Review								
Ш	OB0910	EPA /TDEC Review	21-Nov-14 A	21-NOV-14	12-Mar-15 A	12-Mar-15	100%								•	TAZ IDEG	Keview								
Ш	OB0920	Address Comments for Final EPA / TDEC Approval	13-Mar-15 A	13-Mar-15	28-Jul-15 A	28-Jul-15	100%									Addres	ss Comme	ents for Final EP	A/TDEC A	pproval					
Ш	OB0930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	08-Dec-15 A	08-Dec-15	14-Dec-15 A	14-Dec-15	100%										S	ubmit Copy of Ap	pproved De	eliverable	e in the PD	R (within 7	days follo	ving Rece	eipt of Approv
Ш				0.0 = 0.0									1		. ]. ]										
Ш	CMOM-Fats, 0	Oils, and Grease (FOG) Mgmt. Plan	15-Jul-12 A	15-Jul-12	12-Dec-14 A	12-Dec-14	100%				•	MOM-Fats,		rease (FOG		<b>T</b>									
Ш	Consent Decree	Duration (13 Months)	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	100%							Decree Dur		1onths)									
Ш	OC0100	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-May-14 A	27-May-14	100%						Consen	Decree Dur	ation		.								
Ш	OC0110	Consent Decree Duration Completion Milestone			27-May-14 A	27-May-14	100%								Consont	Doctor Durb	ntion Com	pletion Milestone							
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Ш	Project Procuren			15-Jul-12	15-Jul-12 A	15-Jul-12	40000					Project Procu PM Procurem	rement												
	OC1000	PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A	10-Jul-12	100%																		
	Planning Phase		15-Jul-12 A		15-Apr-14 A		100%					Planning Pha		-											
	OC1005	Adminstration Period	15-Jul-12 A	15-Jul-12	09-Sep-13 A	09-Sep-13	100%				[	Adminstration	Period												
Ш	OC1010	Planning Phase	10-Sep-13 A	10-Sep-13	16-Feb-14 A	16-Feb-14	100%						I	lanning Pha	se		.								
Ш	004000		47.51.444	.==	45.4.4.4	15.1.11	4000/							Progr	ram Mana	ar / Owner	Povlowa	nd Coordination							
Ш	OC1020	Program Manager / Owner Review and Coordination	17-Feb-14 A	17-Feb-14	15-Apr-14 A	15-Apr-14	100%							E Pogr	iaiii iviaiia	ger / Gwiler	ixeview ai	iu Goordination							
Ш	Public Document	t Repository	16-Apr-14 A	16-Apr-14	27-May-14 A	27-May-14	100%							P	plic Docu	ment Repos	sitory								
Ш	OC2000	Submit Draft Deliverable to Reference Librarian	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	100%							Sı	ubmit Draf	t Deliverable	e to Refer	ence Librarian							
Ш	OC2010	Post Copy of Draft Deliverable on City's Website	16-Apr-14 A	16-Apr-14	16-Apr-14 A	16-Apr-14	100%							Po	ost Copy o	f Draft Deliv	verable on	City's Website							
				-																					
	OC2020	Public Review Period	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	100%							P	ublic Revie	w Period	.								
	OC2030	Public Comment Review Period	18-May-14 A	18-May-14	27-May-14 A	27-May-14	100%							,	Public Cor	nment Revie	ew Period								
		Ocher's Deliberately to EDA TDEO and Deliberate and TOWN												'											
	OC2040	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			27-May-14 A	27-May-14	100%								Submit De	eliverable to	EPA, TDF	EC and Provide I	notice to TC	CWN					
	EPA and TDEC A	pprovals	28-May-14 A	28-May-14	12-Dec-14 A	12-Dec-14	100%									DEC Appro									
	OC0900	Place Copy of EPA and TDEC Submittal in PDR	28-May-14 A	28-May-14	05-Jun-14 A	05-Jun-14	100%								Place Cor	of EPA an	nd TDEC 8	Submittal in PDR	1						
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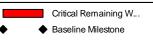




Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	04 (	2010	04 01 02	2011	2012	2 2013 Q3 Q4 Q1 Q2 Q3 Q	2014		2016	2017	2018	2		2020
OC0910	EPA /TDEC Review	28-May-14 A	28-May-14	02-Jul-14 A	02-Jul-14	100%	_	<u> </u>		Q0 Q4	ai we w	47 41 42 43 W		1/TDEC Review	w w w w w	w. w. w. w.	. 41 42 43	47 W1 W2	20 27 21	- QU
OC0920	Address Comments for Final EPA/TDEC Approval	03-Jul-14 A	03-Jul-14	12-Dec-14 A	12-Dec-14	100%							Δ	ddress Comments fo	or Final EPA/TDEC Ap	pproval				
OC0930	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	12-Dec-14 A	12-Dec-14	12-Dec-14 A	12-Dec-14	100%								Submit Copy	of Approved Deliverat	ble in the PDR (within	7 days followin	g Receipt of Ap	pproval by EPA	١):
		18-Oct-12 A	18-Oct-12	09-Dec-14 A		100%						CMOM-Gravity Line F	reventive Ma	int. Program						
	ty Line Preventive Maint. Program  Duration (13 Months)	24-Apr-13 A			27-May-14	100%							ecree Duratio							
OD1110	Consent Decree Duration (13 Months)	24-Apr-13 A		-	27-May-14	100%								n (13 Months)						
OD1120	Consent Decree Duration Completion Milestone			27-May-14 A	27-May-14	100%								ongent Decree Dura	tion Completion Milest	tone				
Project Procure	ment	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	100%						Project Procurement	Ť	Sildent Decree Dula	uon completion villes	ione				
OD1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12		01-Dec-12	100%							rocurement (	FY 2012 - 2013) Pric	ority I - Development a	nd Issuance of RFP				
OD1130	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%						Consultant develor	s and Submi	Scope and Cost pro	oposal					
OD1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%						PMO Reviews/ Ne	gotiates and	Approve Proposal / A	greement					
OD1150	PMO Approved Agreement to Council for Approval	22-Dec-12 A		08-Jan-13 A		100%								ouncil for Approval						
												T		to City for Execution						
OD1160	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13		22-Jan-13	100%						•		to City Ioi Execution						
Planning Phase OD1010	Planning Phase	23-Jan-13 A 23-Jan-13 A			16-Apr-14 28-Mar-14	100% 100%						Planning Phase								
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OD1170	Program Manager / Owner Review and Coordination		29-Mar-14	16-Apr-14 A	16-Apr-14	100%									Review and Coordina	auon				
Public Document OD1020	nt Repository Submit Draft Deliverable to Reference Librarian	17-Apr-14 A 17-Apr-14 A			21-May-14 17-Apr-14	100% 100%							1 (***)	Document Reposite	ory o Reference Librarian					
OD1030	Post Copy of Draft Deliverable on City's Website	17-Apr-14 A	17-Apr-14	17-Apr-14 A	17-Apr-14	100%									rable on City's Website					
OD1040	Public Review Period	17-Apr-14 A	17-Apr-14	17-May-14 A	17-May-14	100%							Public	Review Period						
OD1050	Public Comment Review Period	18-May-14 A	18-May-14	21-May-14 A	21-May-14	100%							Púb	lic Comment Review	v Period					
OD1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			21-May-14 A	21-May-14	100%							Sı	ıbmit Deliverable to	EPA, TDEC and Provid	de notice to TCWN				
EPA and TDEC		22-May-14 A			09-Dec-14	100%								and TDEC Approva						
OD1070	Place Copy of EPA and TDEC Submittal in PDR	22-May-14 A	22-May-14	27-May-14 A	27-May-14	100%							<b>'</b>		TDEC \$ubmittal (n PD	R				
OD1080	EPA / TDEC Review	22-May-14 A	22-May-14	07-Jul-14 A	07-Jul-14	100%							EP/	/TDEC Review						
OD1090	Address Comments for Final EPA/TDEC Approval	08-Jul-14 A	08-Jul-14	05-Dec-14 A	05-Dec-14	100%							4	ddress Comments fo	or Final EPA / TDEC Ap	pproval				
OD1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	06-Dec-14 A	06-Dec-14	09-Dec-14 A	09-Dec-14	100%								Submit Copy	of Approved Deliverab	ole in the PDR (within	7 days following	Receipt of Ap	proval by EPA)	)
CMOM-PS O	perations and Preventive Maint. Programs	18-Oct-12 A	18-Oct-12	22-Oct-15 A	22-Oct-15	100%						CMOM-PS Operation			<b></b>					
Consent Decree	Duration (19 Months)	24-Apr-13 A			24-Nov-14	100%							ecree Duratio	n (19 Months)						
OE1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A	24-Nov-14	100%						Consent De	ecree Duratio							
OE1120	Consent Decree Duration Completion Milestone			24-Nov-14 A	24-Nov-14	100%								Consent Decr	ee Duration Completio	on Milestone				
Project Procure		18-Oct-12 A			22-Jan-13	100%						Project Procurement		TV 2042 2042) Pris		- d la of DEB				
OE1000	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%									ority I - Development a	nd issuance of RFP				
OE3100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%						Consultant develor	s and Submi	Scope and Cost pro	oposal					
OE3110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%						PMO Reviews/ Ne	gotiates and /	Approve Proposal / A	greement					
OE3120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%						PMO Approved Aç	reement to C	ouncil for Approval						
OE3130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%						Consultant Signe	dAgreement	to City for Execution						
Planning Phase		24-Jan-13 A			12-Oct-14	100%						Planning Phase		→						
OE1010	Planning Phase	24-Jan-13 A	24-Jan-13	29-Sep-14 A	29-Sep-14	100%						Planning Phase		-						
OE1130	Program Manager / Owner Review and Coordination	30-Sep-14 A	30-Sep-14	12-Oct-14 A	12-Oct-14	100%									er / Owner Review and	Coordination				
Public Documen		13-Oct-14 A			18-Nov-14	100%								Public Documen	it Repository liverable to Reference	Librarian				
OE1020	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	100%								Submit Drait Dei	IIVE ADIE IO REIEIENCE	Librarian				





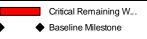




Activity ID	Activity Name	Start	Actual Start	Finish Actual	l Finish [	Ouration % Complete	04 (	2010	2011	2012		2015		2016 2017 2018 2019 2020 12 Q3 Q4 Q1 Q2 Q3
OE1030	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	13-Oct-14 A 13-Oc	ct-14	100%	W4 U	4 Q3 Q4 Q1	WE WO W	Q1 Q2 C	20 27 21 22 23 24 21 22 23	Post Copy of Draft L	eliverable	on City's Website
OE1040	Public Review Period	13-Oct-14 A	13-Oct-14	17-Nov-14 A 17-No	ov-14	100%						Public Review Perio	d	
	Public Comment Review Period											Public Comment F		ind
OE1050	Public Comment Review Period	18-Nov-14 A	18-NOV-14	18-Nov-14 A 18-No	0V-14	100%						, dbiic Dollinielli.	CVICW I C	
OE1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			18-Nov-14 A 18-No	ov-14	100%						Submit Deliverab	e to EPA,	TDEC and Provide notice to TCWN
EPA and TDEC	Approvals	18-Nov-14 A	18-Nov-14	22-Oct-15 A 22-Oc	ct-15	100%						EPA and TDEC Ar		
OE1070	Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A	18-Nov-14	24-Nov-14 A 24-No	ov-14	100%						Place Copy of EP	A and TDE	C \$ubmittal in PDR
OE1080	EPA /TDEC Review	19-Nov-14 A	19-Nov-14	12-Mar-15 A 12-Ma	ar-15	100%						EPA/TDEC Revie	w	
OE1090	Address Comments for Final EPA/TDEC Approval	13-Mar-15 A	13-Mar-15	22-Oct-15 A 22-Oc	ct-15	100%						Address Co	mments fo	r Final EPA/TDEC Approval
OE1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	22-Oct-15 A	22-Oct-15	22-Oct-15 A 22-Oc	ct-15	100%							Submit Co	py of Approved Deliverable in the PDR (within 7 days following Receipt of Approva
	aulic Model Development	26-Nov-08 A		31-Jul-16 A 31-Jul		10070	C Mode	Development			Consent Decree Duration	(27 M - + -)		<del></del>
OF1110	e Duration (37 Months)  Consent Decree Duration	24-Apr-13 A		24-May-16 A 24-Ma		100%					Consent Decree Duration			<b>"</b>
OFIIIO	Consent Decree Duration	24-Apr-13 A	24-Api-13	24-May-16 A 24-Ma	ay-10	100%								•
OF1120	Consent Decree Duration Completion Milestone			24-May-16 A 24-Ma	ay-16	100%								Consent Decree Duration Completion Milestone
Project Procui		26-Nov-08 A	26-Nov-08	26-Jan-09 A 26-Jan	an-09	100%	ment							<b>*</b>
OF1005	PM Procurement	26-Nov-08 A	26-Nov-08	26-Jan-09 A 26-Jan	an-09	100%	ıt							
Planning Phas	e	27-Jan-09 A	27-Jan-09	23-May-16 A 23-Ma	ay-16	100%	ase							•
OF1006	Administration Period	27-Jan-09 A	27-Jan-09	30-Apr-16 A 30-Ap	or-16	100%	n Peric	d	1 1	1 1				
OF1010	Planning Phase	27-Jan-09 A	27-Jan-09	30-Apr-16 A 30-Ap	or-16	100%	ase							
OF1130	Program Manager / Owner Review and Coordination	30-Apr-16 A	30-Apr-16	23-May-16 A 23-Ma	av-16	100%								Program Manager / Owner Review and Coordination
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Public Documo	ent Repository Submit Draft Deliverable to Reference Librarian	24-May-16 A 24-May-16 A		24-May-16 A 24-Ma 24-May-16 A 24-Ma		100% 100%								Public Document Repository Submit Draft Deliverable to Reference Librarian
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OF1142	Post Copy of Draft Deliverable on City's Website	24-May-16 A	24-May-16	24-May-16 A 24-Ma	ay-16	100%								Post Copy of Draft Deliverable on City's Website
OF1143	Public Review Period	24-May-16 A	24-May-16	24-May-16 A 24-Ma	ay-16	100%								Public Review Period
OF1144	Public Comment Review Period	24-May-16 A	24-May-16	24-May-16 A 24-Ma	ay-16	100%								Public Comment Review Period
OF1145	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			24-May-16 A 24-Ma	av-16	100%								
		<u> </u>												Submit Deliverable to EPA, TDEC and Provide notice to TCWN
EPA and TDEC	Approvals  Notification of Completion to EPA, DEC, TCWN	31-Jul-16 A 31-Jul-16 A		31-Jul-16 A 31-Jul 31-Jul-16 A 31-Jul		100%								EPA and TDEC Approvals  Notification of Completion to EPA, DEC, TCWN
processor.	acity Assurance Program	15-Jul-12 A		28-Sep-16 A 28-Se	•	100%					CMOM-Capacity Assurance Program			<del></del>
	e Duration (37 Months)	24-Apr-13 A		24-May-16 A 24-Ma		100%					Consent Decree Duration Consent Decree Duration			•
OG1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-May-16 A 24-Ma	ау-16	100%					CONSCINED ECICLE BUILDING			•
OG1120	Consent Decree Duration Completion Milestone			24-May-16 A 24-Ma	ay-16	100%								Consent Decree Duration Completion Milestone
Project Procur	ement	15-Jul-12 A	15-Jul-12	14-Oct-14 A 14-Oc	ct-14	100%					Project Procurement	<b>→</b>		<b>7</b>
OG1000	PM Procurement	15-Jul-12 A	15-Jul-12	14-Oct-14 A 14-Oc	ct-14	100%				₽	PM Procurement	<del>-</del>		
Planning Phas	e	15-Jul-12 A	15-Jul-12	12-Apr-16 A 12-Ap	or-16	100%					Planning Phase			
OG1005	Administration Period	15-Jul-12 A	15-Jul-12	14-Oct-14 A 14-Oc	ct-14	100%				<b>a</b>	Administration Period	<mark>-</mark>		
OG1010	Planning Phase	15-Oct-14 A	15-Oct-14	22-Dec-15 A 22-De	ec-15	100%						Planning Phase		
OG1130	Program Manager / Owner Review and Coordination	23-Dec-15 A	23-Dec-15	12-Apr-16 A 12-Ap	or-16	100%							Prograi	m Manager / Owner Review and Coordination
														ublic Document Repository
Public Docum OG1020	ent Repository Submit Draft Deliverable to Reference Librarian	13-Apr-16 A 13-Apr-16 A		23-May-16 A 23-Ma 13-Apr-16 A 13-Ap		100% 100%								ubmit Draft Deliverable to Reference Librarian
OG1030	Post Copy of Draft Deliverable on City's Website	13-Apr-16 A	13-Apr-16	13-Apr-16 A 13-Ap	or-16	100%								ost Copy of Draft Deliverable on City's Website
OG1040	Public Review Period	13-Apr-16 A	13-Apr-16	13-May-16 A 13-Ma	ay-16	100%							P	ublic Review Period
OG1050	Public Comment Review Period	14-May-16 A	14-May-16	23-May-16 A 23-Ma	ay-16	100%								Public Comment Review Period











Planning Phase	Activity ID	Activity Name	Start	Actual Start	Finish Actual Finis		6 2	2010	2011	2012	2013	2014		2015	2016	2017	2	018	2019	2020
Act   Control	004000				20.14 40.4 20.14 4		4 4 4	Q3 Q4	Q1 Q2 Q3 Q4 Q1 Q	2 Q3 Q4 Q1	Q2 Q3 Q4	Q1 Q2 Q	3 Q4 Q1 Q	2 Q3 Q4 Q	1 Q2 Q3 C	Q4 Q1 Q2 Q	3 Q4 Q1 Q2	Q3 Q4 Q1	Q2 Q3 Q4	Q1 Q2 Q3
Second   Proceed of Control   Proced of	OG1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			23-May-16 A 23-May-1	6 1009	6								Submit	Deliverable to	EPA, TDEC and	Provide notice	to TCWN	
Colin	EPA and TDEC A	pprovals	24-May-16 A	24-May-16	28-Sep-16 A 28-Sep-10	6 1009	6								EPA and	TDEC Approva	ls			
Section   Sect	OG1070	Place Copy of EPA and TDEC Submittal in PDR	24-May-16 A	24-May-16	31-Jul-16 A 31-Jul-16	1009	6								Place Co	py of EPA and	TDEC Submittal	in PDR		
Company   Comp	OG1080	EPA /TDEC Review	24-May-16 A	24-May-16	21-Jun-16 A 21-Jun-16	5 1009	6								EPA/TDI	EC Review				
Carbon	OG1090	Address Comments for Final EPA/TDEC Approval	22-Jun-16 A	22-Jun-16	20-Sep-16 A 20-Sep-10	6 1009	6								Addres	s Comments fo	r Final EPA / TD	C Approval		
Control   Cont																			(within 7 do)	va following Po
Control Cont	OG1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	21-Sep-16 A	21-Sep-16	28-Sep-16 A 28-Sep-10	6 1009	6								30	ibiliit Copy of A	phioved Deliver	Die in tie FDK	(Willin 7 day	3 TOILOWING IXE
Control   Cont	CMOM-Inter-J	urisdictional Agreement Program	15-Jul-12 A	15-Jul-12	16-Sep-14 A 16-Sep-14	4 1009	6			CMOM-Inter-	Jurisdictional A	reement Pr	ogram							
Company   Comp	Consent Decree	Duration (13 Months)	24-Apr-13 A	24-Apr-13	27-May-14 A 27-May-1	4 1009	6					<b>—</b>	(13 Months)							
College	OH1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-May-14 A 27-May-1	4 1009	6				Consent Decr	ee Duration								
Princip Princip Princip   Princip Princip   Princip	OH1120	Consent Decree Duration Completion Milestone			21-May-14 A 21-May-1	4 1009	6					Con	sent Decree D	uration Comple	etion Milestone	e				
Participation   Participatio	Project Procuren	nent	15-Jul-12 A	15-Jul-12	15-Jul-12 A 15-Jul-12	09	6			Project Procu	urement	•								
19   19   19   19   19   19   19   19							6			: <del>*</del> :	: : :									
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D-1920   Sum Total Colorate & Education Standards   Education St	OH1130	Program Manager / Owner Review and Coordination	01-Feb-14 A	01-Feb-14	10-Apr-14 A 10-Apr-14	1009	6					Program M	lanager / Own	er Review and	Coordination					
Collection	Public Document	t Repository	16-Apr-14 A	16-Apr-14	21-May-14 A 21-May-1	4 1009	6					Public	Document Re	pository						
CH1040	OH1020	Submit Draft Deliverable to Reference Librarian	16-Apr-14 A	16-Apr-14	16-Apr-14 A 16-Apr-14	1009	6					Submit	t Draft Deliver	able to Referen	ce Librarian					
CH1950   Public Comment Robots Petral   St. May 14   St. May 14   21 May 14   22 May 14   100%	OH1030	Post Copy of Draft Deliverable on City's Website	16-Apr-14 A	16-Apr-14	16-Apr-14 A 16-Apr-14	1009	6					Post C	opy of Draft D	eliverable on C	ity's Website					
## Off 1990   Grown Leberation to ESA, TDCC and Provide notice to ECNN   2144yr14A   2144yr14   1075,	OH1040	Public Review Period	17-Apr-14 A	17-Apr-14	17-May-14 A 17-May-1	4 100%	6					Public	Review Period	t l						
PA and TDEC Approvals	OH1050	Public Comment Review Period	18-May-14 A	18-May-14	21-May-14 A 21-May-1	4 1009	6					Publi	c Comment R	eview Period						
CH1970   Place Capy of PA and TREC Review   22 August 4   16 Sept 14   1	OH1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			21-May-14 A 21-May-1	4 1009	6					Subi	mit Deliverable	e to EPA, TDEC	and Provide r	notice to TCWN				
CH1970   Place Capy of PA and TREC Review   22 August 4   16 Sept 14   1	EPA and TDEC A	pprovals	22-May-14 A	22-May-14	16-Sep-14 A 16-Sep-14	4 1009	6					ĚΡΑ	and TDEC App	orovals						
OH1090 Address Comments for Final EPA/TDEC Approval  OH1090 Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)  Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan  2-Mark 12 Sep-144 16-Sep-144 16-			22-May-14 A	22-May-14	27-May-14 A 27-May-1	4 100%	6								mittal in PDR					
OH1100 Submit Copy of Approved Deliverable in the PDR (within 7 days following Recognic of Approved by PA)  Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan  South Chick Creek 5 River Port PS - SC1 Phase 2  24-4p-13	OH1080	EPA /TDEC Review	22-May-14 A	22-May-14	16-Sep-14 A 16-Sep-14	4 1009	6					EPA	/TDEC Review	v						
Para 21 - Sanitary Sewer Evaluation Study (SSES) Work Plan   25-Mars14   25-	OH1090	Address Comments for Final EPA / TDEC Approval	16-Sep-14 A	16-Sep-14	16-Sep-14 A 16-Sep-14	4 1009	6						Address Con	nments for Fina	I EPA/TDEC	Approval				
South Chick Creek 5 River Port PS - SC1 Phase 2  24-Apr13	OH1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	16-Sep-14 A	16-Sep-14	16-Sep-14 A 16-Sep-14	4 1009	6						Submit Copy	of Approved D	eliverable in t	he PDR (within	7 days followin	Receipt of App	oroval by EPA	A)
South Chick Creek 5 River Port PS - SC1 Phase 2   24Apr13   24Apr13   24Apr13   27Juli20   19205	Para 21 - Sanit	ary Sewer Evaluation Study (SSES) Work Plan	25-Mar-11 A	25-Mar-11	26-Aug-20	73.39%	6		Para 21 - Sanitary Sew	ver Evaluation S	study (SSES) W	ork Plan								
Consent Decree Duration (37 Months)			24-Apr-13 A	24-Apr-13	27-Jul-20	19.269	6				South Chick (	reek 5 Rive	r Port PS - SC	1 Phase 2						
Consent Decree Duration   24-Apr-13   24-Apr-13   27-Jul-20   0%   Consent Decree Duration Milestone   01-Dec-17   31-Jul-18   46.67%   Consent Decree Duration Milestone   01-Dec-17   31-Jul-18   46.67%   Consent Decree Duration Milestone   Consent Decree Duration			24-Apr-13 A	24-Apr-13	27-Jul-20	19.269	6				Consent Decr	ee Duration	(87 Months)							
Project Procurement Phase		, ,	24-Apr-13 A	24-Apr-13	27-Jul-20	09	6				Consent Decr	ee Duration	Consent Dec	ree Duration						
Project Procurement Phase	OL1260	Consent Decree Duration Milestone			27-Jul-20	09	6													
Planning Phase			01-Dec-17 A	01-Dec-17		46.679	6													Cc
Diliphing Phase   Diliphing	OL1200	Project Procurement Phase	01-Dec-17 A	01-Dec-17	31-Jul-18	46.679	6										Project Pro			ocurement Pha
Engineering Phase						09	6											Planning Pha	ise	
OL 1220   Engineering Phase   30-Oct-18   27-Apr-19   0%   Construction Bidding Phase   28-Apr-19   26-Jul-19   0%   OL 1230   Construction Bidding Phase   28-Apr-19   26-Jul-19   0%   OCT		·				09	6											Enginee	ise <u>ri</u> ng Phase	
Construction Bidding Phase   28-Apr-19   26-Jul-19   0%   Onstruction Bidding Phase   28-Apr-19   26-Jul-19   0%   Onstruction Bidding Phase   28-Apr-19   26-Jul-19   0%   Onstruction Bidding Phase   27-Jul-19   20-Jul-20   0%   Onstruction Phase   27-Jul-19   20-Jul-20   0%   Onstruction Phase   27-Jul-19   20-Jul-15   100%   Onstruction Phase   27-Jul-19   20-Jul-15   100%   Onstruction Phase   27-Jul-19   20-Jul-15   100%   Onstruction Phase   28-Apr-13   24-Apr-13   24-Apr-13   24-Nov-14   100%   Onsent Decree Duration (19 Months)   Onsent Decree Duration   24-Apr-13   24-Nov-14   100%   Onsent Decree Duration   24-Apr-13   24-Nov-1						09	6											Enginee	ring Phase	
Construction Phase   27-Jul-19   20-Jul-20   0%		Iding Phase			26-Jul-19	09	6													
OL 1240   Construction Phase   27-Jul-19   20-Jul-20   0%   SSES Work Plan   15-Jul-12   20-Jul-15   20-Jul-15   100%   Consent Decree Duration (19 Months)   24-Apr-13   24-Nov-14   100%   Ol 1110   Consent Decree Duration   24-Apr-13   24-Nov-14   100%   Consent Decree Duration		•	· · · · · · · · · · · · · · · · · · ·			09	6												Construction	uction Phase
SSES Work Plan    15-Jul-12   15-Jul-12   20-Jul-15   100%						09	6													
Consent Decree Duration (19 Months) Ol1110 Consent Decree Duration 24-Apr-13				15-Jul-12			<b>-</b>  :   :			SSES Work I	Plan			<b>-</b>						
OH120 Consent Degree Duration Completion Milestons			24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-1	4 1009	6													
Ol1120 Consent Decree Duration Completion Milestone 24-Nov-14 100%	Ol1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Nov-14 A 24-Nov-14	4 1009	6				Consent Decr	ee Duration	<u> </u>							
	Ol1120	Consent Decree Duration Completion Milestone			24-Nov-14 A 24-Nov-14	4 100%	6						Conser	it Decree Durat	ioh Completio	n Milestone				





Critical Remaining W...

Baseline Milestone





ctivity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %
			4.5.1			Complete
Project Procurem		15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	0%
Ol1000	PM Procurement	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	100%
Planning Phase		15-Jul-12 A	15-Jul-12	16-Oct-14 A	16-Oct-14	100%
Ol1005	Administration Phase	15-Jul-12 A	15-Jul-12	14-Jan-13 A	14-Jan-13	100%
Ol1010	Planning Phase	15-Jan-13 A	15-Jan-13	11-Sep-14 A	11-Sep-14	100%
5	Talling Tides	10 0411 1071	10 0011 10	σορ	Сор	10070
Ol1130	Program Manager / Owner Review and Coordination	12-Sep-14 A	12-Sep-14	16-Oct-14 A	16-Oct-14	100%
Public Document	Repository	17-Oct-14 A	17-Oct-14	20-Nov-14 A	20-Nov-14	100%
Ol1020	Submit Draft Deliverable to Reference Librarian	17-Oct-14 A	17-Oct-14	17-Oct-14 A	17-Oct-14	100%
014.020	Deat Conv. of Death Delivership on Cityle Website	47.004.44.4	47 0 4 4 4	47 Oct 44 A	17 0-1 14	4000/
Ol1030	Post Copy of Draft Deliverable on City's Website	17-Oct-14 A	17-Oct-14	17-Oct-14 A	17-Oct-14	100%
Ol1040	Public Review Period	18-Oct-14 A	18-Oct-14	17-Nov-14 A	17-Nov-14	100%
OI1050	Public Comment Review Period	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14	100%
611000	T abile comment to the T office	1011011471	101107 14	10 1101 1471	10 1107 14	10070
Ol1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			20-Nov-14 A	20-Nov-14	100%
EPA and TDEC Ap	porovals	21-Nov-14 A	21-Nov-14	20-Jul-15 A	20-Jul-15	100%
Ol1070	Place Copy of EPA and TDEC Submittal in PDR	21-Nov-14 A	21-Nov-14	24-Nov-14 A	24-Nov-14	100%
011000	EDA Davianu and Anneaud	24 Nov. 44 A	24 Nov. 44	12 May 15 A	10 Mar 15	4000/
Ol1080	EPA Review and Approval	21-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15	100%
Ol1090	TDEC Review and Approval	21-Nov-14 A	21-Nov-14	12-Mar-15 A	12-Mar-15	100%
Ol1092	Revise Submittal Documents	13-Mar-15 A	13-Mar-15	04-May-15 A	04-May-15	100%
5.1332			10 11101	01 may 1071	0 · may 10	10070
Ol1094	Final EPA Review and Approval	05-May-15 A	05-May-15	08-Jun-15 A	08-Jun-15	100%
Ol1096	Final TDEC Review and Approval	09-Jun-15 A	09-Jun-15	13-Jul-15 A	13-Jul-15	100%
Ol1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	14-Jul-15 A	14-Jul-15	20-Jul-15 A	20-Jul-15	100%
Focused SSE	S and Rehab - Chattanooga Creek 4	12-Dec-12 A	12-Dec-12	27-Jul-20		72.75%
-	Ouration (87 Months)	24-Apr-13 A	24-Apr-13	27-Jul-20		71.38%
OJ1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20*		71.38%
0.144.00	Cananat Danca División Camalation Milastona			07 Jul 20*		00/
OJ1120 Project Procurem	Consent Decree Duration Completion Milestone	12-Dec-12 A	12-Dec-12	27-Jul-20* 18-Apr-13 A	18-Apr-13	100%
OJ3010	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%
OJ3020	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%
OJ3030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%
OJ3040	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%
003040	Pino Approved Agreement to Council for Approval	10-Wai-13A	10-IVIA1-13	22-IVIAI-13 A	22-Wai-13	100 %
OJ3050	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%
Planning Phase		29-Apr-13 A	29-Apr-13	22-Apr-14 A	22-Apr-14	100%
OJ1010	Planning Phase	29-Apr-13 A	29-Apr-13	22-Apr-14 A	22-Apr-14	100%
OJ1130	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	22-Apr-14 A	22-Apr-14	100%
Engineering Phas		11-Jul-14 A	11-Jul-14	08-Jul-16 A	08-Jul-16	100%
OJ1020	Engineering	11-Jul-14 A	11-Jul-14	28-Mar-16 A	28-Mar-16	100%
OJ1030	SRF Approval of Contract Documents	29-Mar-16 A	29-Mar-16	08-Jul-16 A	08-Jul-16	100%
Construction Bid	_	09-Jul-16 A	09-Jul-16	23-Jan-17 A	23-Jan-17	100%
OJ2000	Construction Bidding Phase	09-Jul-16 A	09-Jul-16	23-Jan-17 A	23-Jan-17	100%
OJ2010	SRF Adminstration Period	01-Nov-16 A	01-Nov-16	02-Dec-16 A	02-Dec-16	100%
Constitution 5		02 Mar 47 A	02 Mor 17	00 Mor 40 A	00 Mor 40	1000/
Construction Pha OJ3000	Se Construction Phase	02-Mar-17 A 02-Mar-17 A	02-Mar-17 02-Mar-17	09-Mar-18 A 09-Mar-18 A	09-Mar-18 09-Mar-18	100% 100%
033000	CONSTRUCTOR FILESC	UZ-IVIAI-1/A	UZ-IVIdI-11	05-IVIAI-18 A	UB-IVIAI-18	100%
EPA and TDEC Ap	•	30-Jun-18		30-Jun-18		0%
OJ1070	Notification of Completion to EPA, TDEC, TCWN	30-Jun-18	40.0	30-Jun-18		0%
Focused SSE	S and Rehab - Dobb's Branch 3	12-Dec-12 A	12-Dec-12	27-Jul-20		72.75%

Critical Remaining W..

Baseline Milestone

Administration Phase Public Document Repository Post Copy of Draft Deliverable on City's Website Public Review Period Submit Deliverable to EPA, TDEC and Provide notice to TCWN EPA and TDEC Approvals Place Copy of EPA and TDEC Submittal in PDR PA Review and Approval Final EPA Review and Approva days following Receipt of Approval by EF Consent Decree Duration (87 Months) CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP Consultant develops and Submit Scope and Cost proposa PMO Reviews/ Negotiates and Approve Proposal / Agreemen PMO Approved Agreement to Council for Approval SRF Approval of Contract Docu SRF Adminstration Period EPA and TDEC Approvals Notification of Completion to EPA, TDEC,





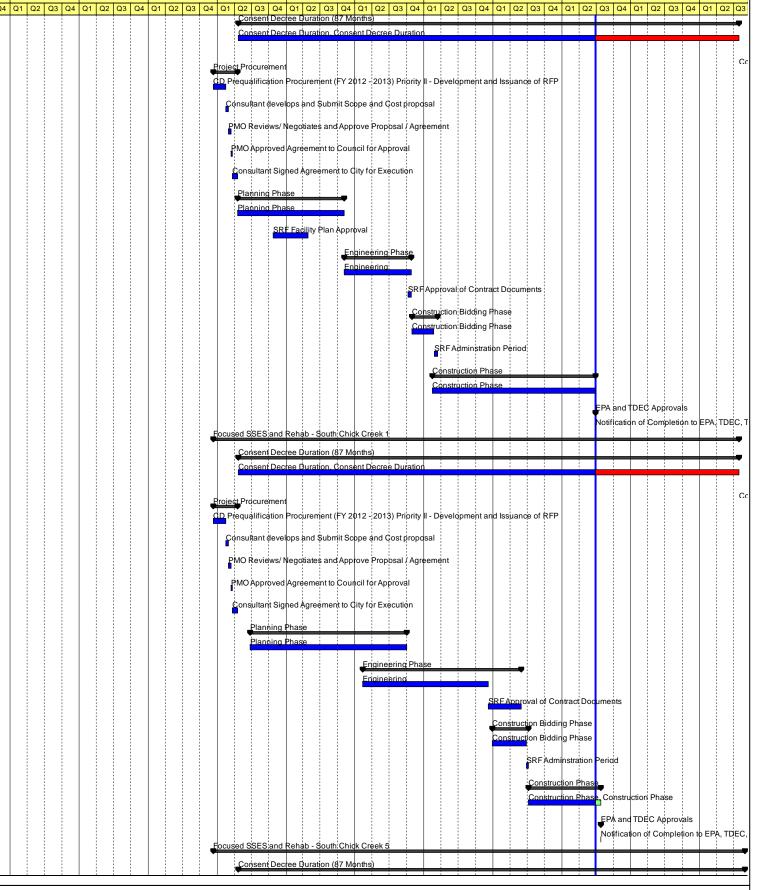
CHATTANOOGA CONSENT DECREE PROGRAM - PHASE I
CITY OF CHATTANOOGA, TN
WASTE RESOURCES DIVISION



Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
Consent De	ecree Duration (87 Months)	24-Apr-13 A	24-Apr-13	27-Jul-20		71.38%
OK1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20*		71.38%
			, ,			
OK1050	Consent Decree Duration Completion Milestone	10.5	10.5	27-Jul-20*	40.4.40	0%
Project Pro		12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	100%
OK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%
OK1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%
OK1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%
OK1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%
OK1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%
Planning P	hase	19-Apr-13 A	19-Apr-13	04-Nov-14 A	04-Nov-14	100%
OK1000	Planning Phase	19-Apr-13 A	19-Apr-13	04-Nov-14 A	04-Nov-14	100%
OK1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	28-Apr-14 A	28-Apr-14	100%
Engineerin	n Phase	05-Nov-14 A	05-Nov-14	28-Oct-15 A	28-Oct-15	100%
OK1010	Engineering	05-Nov-14 A	05-Nov-14	28-Oct-15 A	28-Oct-15	100%
OK1020	SRF Approval of Contract Documents	08-Oct-15 A	08-Oct-15	28-Oct-15 A	28-Oct-15	100%
Construction	on Bidding Phase	29-Oct-15 A	29-Oct-15	14-Mar-16 A	14-Mar-16	100%
OK1070	Construction Bidding Phase	29-Oct-15 A	29-Oct-15	23-Feb-16 A	23-Feb-16	100%
Consent De OK1040  OK1050  Project Pro OK1090  OK1100  OK1110  OK1120  OK1130  Planning Plann	SRF Adminstration Period	24-Feb-16 A	24-Feb-16	14-Mar-16 A	14-Mar-16	100%
Construction	on Phase	15-Feb-16 A	15-Feb-16	30-Jun-18 A	30-Jun-18	100%
OK1080	Construction Phase	15-Feb-16 A	15-Feb-16	30-Jun-18 A	30-Jun-18	100%
EDA and TE	NEC Ammanda	30-Jun-18		30-Jun-18		0%
OK1030	PEC Approvals  Notification of Completion to EPA, TDEC, TCWN	30-Jun-18		30-Jun-18		0%
Focused	SSES and Rehab - South Chick Creek 1	12-Dec-12 A	12-Dec-12	27-Jul-20		72.75%
Consent De	ecree Duration (87 Months)	24-Apr-13 A	24-Apr-13	27-Jul-20		71.38%
OL1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	27-Jul-20*		71.38%
		·	· ·			
OL1050	Consent Decree Duration Completion Milestone	12-Dec-12 A	12-Dec-12	27-Jul-20* 18-Apr-13 A	18-Apr-13	100%
Project Pro OL1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%
OE1030	Ob Frequalification Froction and 172012 - 2010) Fronty II - Development and issuance of Ni F	12-D60-12A	12-060-12	13-1 65-13 A	13-1 65-13	10070
OL1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%
OL1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%
	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%
OL1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%
Planning P	hase	26-Jun-13 A	26-Jun-13	01-Oct-15 A	01-Oct-15	100%
OL1000	Planning Phase	26-Jun-13 A	26-Jun-13	01-Oct-15 A	01-Oct-15	100%
Engineerin	g Phase	11-Feb-15 A	11-Feb-15	01-Jun-17 A	01-Jun-17	100%
OL1010	Engineering	11-Feb-15 A	11-Feb-15	07-Dec-16 A	07-Dec-16	100%
OL1020	SRF Approval of Contract Documents	08-Dec-16 A	08-Dec-16	01-Jun-17 A	01-Jun-17	100%
Construction	on Bidding Phase	29-Dec-16 A	29-Dec-16	07-Jul-17 A	07-Jul-17	100%
OL1070	Construction Bidding Phase	29-Dec-16 A	29-Dec-16	28-Jun-17 A	28-Jun-17	100%
OL1120 OL1130 Planning P OL1000 Engineerin OL1010 OL1020 Construction OL1075 Construction OL1080 EPA and TE OL1030 Focused Consent De	SRF Adminstration Period	29-Jun-17 A	29-Jun-17	07-Jul-17 A	07-Jul-17	100%
Construction	on Phase	07-Jul-17 A	07-Jul-17	26-Jul-18		87.32%
OL1080	Construction Phase	07-Jul-17 A	07-Jul-17	26-Jul-18		87.32%
EDA and TE	NEC Annouala	27-Jul-18		27-Jul-18		0%
OL1030	PEC Approvals  Notification of Completion to EPA, TDEC, TCWN	27-Jul-18 27-Jul-18		27-Jul-18 27-Jul-18		0%
Focused	SSES and Rehab - South Chick Creek 5	12-Dec-12 A	12-Dec-12	26-Aug-20		71.97%
Consent De	ecree Duration (87 Months)	24-Apr-13 A	24-Apr-13	26-Aug-20		70.58%
Jonath De	2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	17.1071	1	-5-3		

Critical Remaining W..

Baseline Milestone

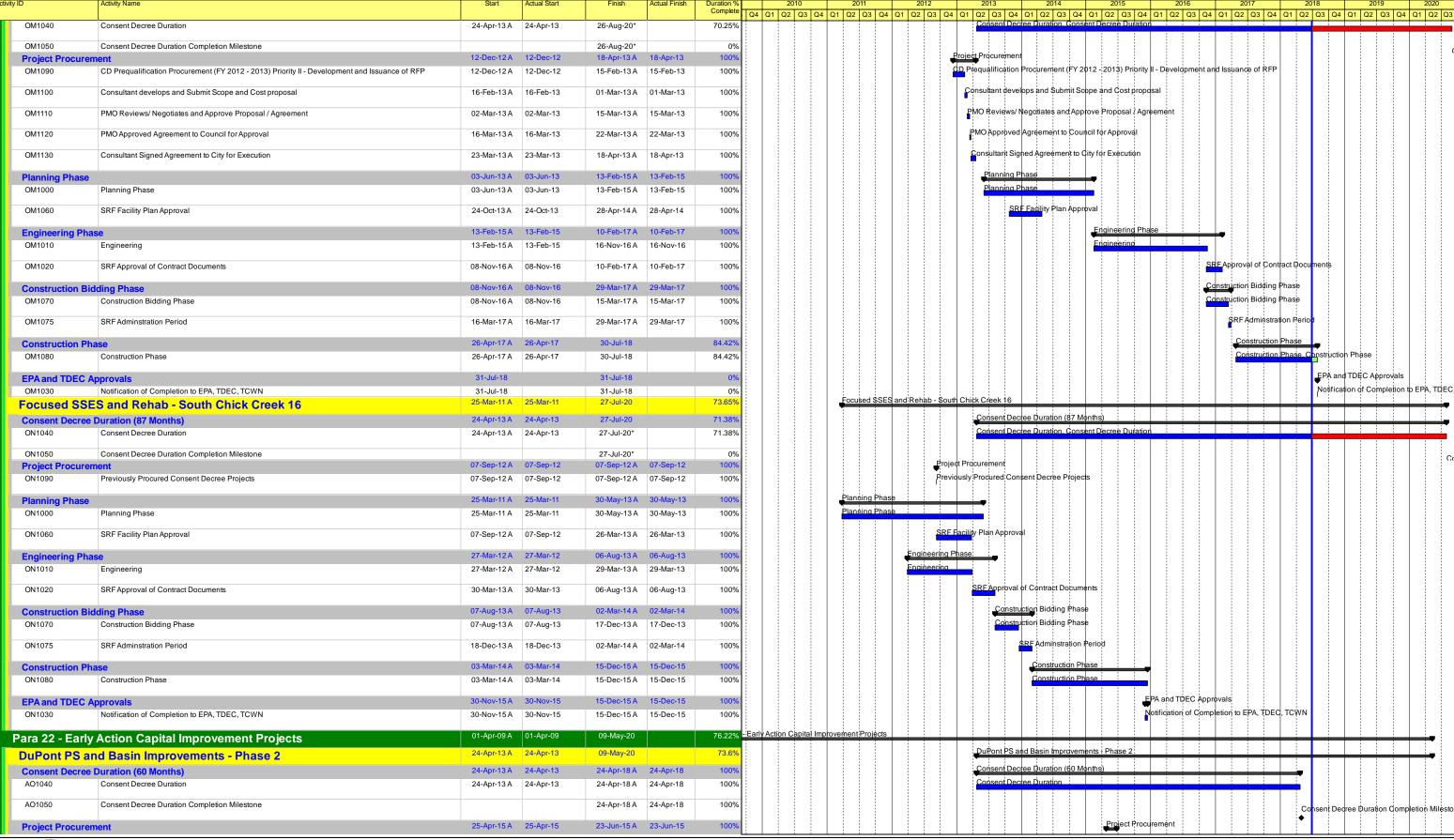
















Baseline Milestone



Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %	2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020
AO1090	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	25-Apr-15 A	25-Apr-15	01-May-15 A	01-May-15	Complete 100%	Q4   Q1   Q2   Q3   Q4
A01030	Ob Frequentication Frocurement (FF2014 - 2013) - Development and issuance of NTF	25-Api-15 A	20-Api-10	01-May-107A	01-Way-13	10070	
AO1100	Consultant develops and Submit Scope and Cost proposal	02-May-15 A	02-May-15	09-May-15 A	09-May-15	100%	Consultant develops and Submit Scope and Cost proposal
AO1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	10-May-15 A	10-May-15	16-May-15 A	16-May-15	100%	PMO Reviews/ Negotiates and Approve Proposal / Agreement
A04430	DMO Approved Appropriate Council for Approved	47 May 45 A	47 May 45	00 lun 45 A	00 1 15	4000/	PMO Approved Agreement to Council for Approval
AO1120	PMO Approved Agreement to Council for Approval	17-May-15 A	17-May-15	08-Jun-15 A	08-Jun-15	100%	and Application Application of the Control of the C
AO1130	Consultant Signed Agreement to City for Execution	09-Jun-15 A	09-Jun-15	23-Jun-15 A	23-Jun-15	100%	Consultant Signed Agreement to City for Execution
Planning Phas		18-Dec-17 A	18-Dec-17	25-Apr-18 A	25-Apr-18	100%	Planding Phase
AO1000	Planning Phase	18-Dec-17 A	18-Dec-17	25-Apr-18 A		100%	Planning Phase
Fu nin a nin a R	11	05-Apr-18 A	05 Apr 19	11-Dec-18		26.009/	Engineering Phase
Engineering P AO1010	Inase Engineering	05-Apr-18 A		06-Nov-18		26.99% 22.16%	Eng neering, ∉ngineering
AO1020	SRF Approval of Contract Documents	07-Nov-18 07-Nov-18		11-Dec-18 15-Feb-19		0%	SRF Approval of Contract Documen Construction Bidding Phase
AO1070	Bidding Phase  Construction Bidding Phase	07-Nov-18		03-Jan-19		0%	Construction Bidding Phase
AO1075	SRF Administration Period	04-Jan-19		15-Feb-19		0%	SRFAdministration Period
Construction		18-Feb-19		08-May-20		0%	Construction Phase Construction Phase
AO1080 EPA and TDE0	Construction Phase	18-Feb-19* 09-May-20		08-May-20 09-May-20		0% 0%	Lonstruction Phase : : : : : : : : : : : : : : : : : : :
AO1030	Notification of Completion to EPA, TDEC, TCWN	09-May-20		09-May-20		0%	Notifical Control of the Control of
	et Weather Volume Reduction Projects	01-Apr-09 A	01-Apr-09	03-Oct-18		95.82%	Wet Weather Volume Reduction Projects
	and Basin Improvements - Phase 1	12-Dec-12 A	12-Dec-12	30-Jun-18		100%	DuPont PS and Basin Improvements - Phase 1
	ee Duration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%	Consent Decree Duration (60 Months)
AN1040	Consent Decree Duration	24-Apr-13 A	-	24-Apr-18 A		100%	Consent Decree Duration
AN1050	Concept Decree Duration Completion Milestone			24-Apr. 19 A	24-Apr-19	100%	
ANTOSO	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Api-16	100%	Consent Decree Duration Completion Milestr
Project Procu	rement	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	100%	<u>Project</u> Procurement
AN1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%	CD Prequalification Procurement (FY 2012 -: 2013) Priority II - Development and Issuance of RFP
AN1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%	Consultant develops and Submit Scope and Cost proposal
AN1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%	PMO Reviews/ Negotiates and Approve Proposal / Agreement
	The Refield Regulated and Approve Frepedat / Agreement	02 Mai 1071	OZ IVIGI 10	10 Mai 1071	To Mar 10	10070	
AN1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%	PMO Approved Agreement to Council for Approval
AN1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%	Consultant Signed Agreement to City for Execution
Planning Pho	•	10-Feb-13 A	10-Feb-13	16-Mar-15 A	16-Mar-15	100%	_Planning Phase
Planning Phas AN1000	Planning Phase	10-Feb-13 A	10-Feb-13	01-Jan-15 A		100%	Planning Phase
AN1060	SRF Facility Plan Approval	02-Jan-15 A	02-Jan-15	16-Mar-15 A	16-Mar-15	100%	SRF: Facility Plan Approval
Engineering P	Phase	02-Apr-14 A	02-Apr-14	02-Dec-15 A	02-Dec-15	100%	Engineering Phase
AN1010	Engineering	02-Apr-14 A	02-Apr-14	23-Aug-15 A	23-Aug-15	100%	Engineering Engine
AN1020	SRF Approval of Contract Documents	24-Aug-15 A	24-Aug-15	02-Dec-15 A	02-Dec-15	100%	SRE Approval of Contract Documents
						1000/	Construction Ridding Phosp
Construction AN1070	Bidding Phase  Construction Bidding Phase	03-Dec-15 A 03-Dec-15 A		14-Apr-16 A 15-Mar-16 A		100%	<u>Constru</u> ction Bidding Phaise  Construction Bidding Phaise
AN1140	SRF Adminstration Period	16-Mar-16 A	16-Mar-16	14-Apr-16 A	14-Apr-16	100%	\$RF.Adminstration Period
Construction	Phase	15-Apr-16 A	15-Apr-16	16-Mar-18 A	16-Mar-18	100%	Construction Phase
AN1080	Construction Phase	15-Apr-16 A	15-Apr-16	16-Mar-18 A	16-Mar-18	100%	Construction Phase
EPA and TDE	CApprovals	30-Jun-18		30-Jun-18		0%	EPA and TDEC Approvals
AN1030	Notification of Completion to EPA, TDEC, TCWN	30-Jun-18		30-Jun-18		0%	Notification of Completion to EPA,TDEC, T
Collegedale	e PS Improvements	18-Oct-12 A	18-Oct-12	24-Apr-18 A	24-Apr-18	100%	Collegedale PS Improvements
	ee Duration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%	Consent Decree Duration (60 Months)
AC1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%	Consent Decree Duration
AC1050	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%	
		10.0 : 10 :	40.0 % 10				Consent Decree Duration Completion Milesti  ◆  Project Programment
Project Procu AC1090	rement  CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A 18-Oct-12 A		22-Jan-13 A 01-Dec-12 A		100%	Project Procurement  CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP
7.01000	22quamous	.5 000-12A	.5 500 12	51 D00-12 A	J. DOU-12	13070	

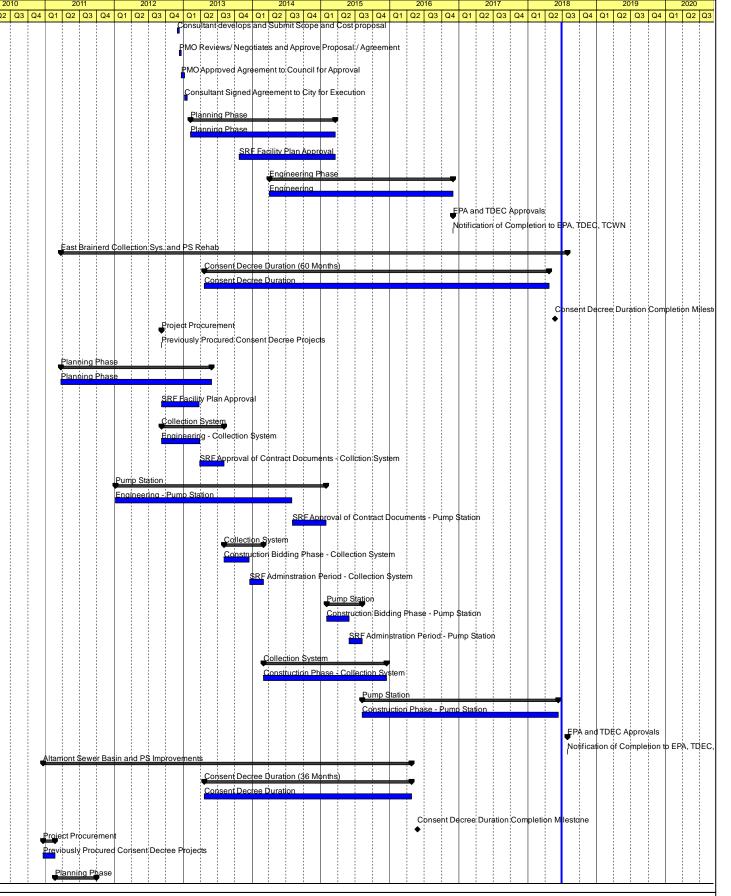






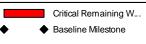


D	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
AC1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%
AC1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%
AC1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%
AC1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%
Planning Phase		10-Feb-13 A	10-Feb-13	16-Mar-15 A	16-Mar-15	100%
AC1000	Planning Phase	10-Feb-13 A	10-Feb-13	16-Mar-15 A	16-Mar-15	100%
AC1060	SRF Facility Plan Approval	24-Oct-13 A	24-Oct-13	16-Mar-15 A	16-Mar-15	100%
Engineering Ph	hase	02-Apr-14 A	02-Apr-14	30-Nov-16 A	30-Nov-16	100%
AC1010	Engineering	02-Apr-14 A	02-Apr-14	30-Nov-16 A	30-Nov-16	100%
EPA and TDEC	Approvals	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	0%
AC1030	Notification of Completion to EPA, TDEC, TCWN	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	100%
East Prains	rd Collection Sys. and BS Bahah	26-Mar-11 A	26-Mar-11	30-Jul-18		100%
	rd Collection Sys. and PS Rehab	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%
OX1040	ee Duration (60 Months)  Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%
				·		
OX1050	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%
Project Procur		07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	0%
OX1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	100%
Planning Phase		26-Mar-11 A	26-Mar-11	30-May-13 A	30-May-13	100%
OX1000	Planning Phase	26-Mar-11 A	26-Mar-11	30-May-13 A	30-May-13	100%
OX1060	SRF Facility Plan Approval	07-Sep-12 A	07-Sep-12	26-Mar-13 A	26-Mar-13	100%
Collection Syst	tem	07-Sep-12 A	07-Sep-12	06-Aug-13 A	06-Aug-13	100%
OX1015	Engineering - Collection System	07-Sep-12 A	07-Sep-12	29-Mar-13 A	29-Mar-13	100%
OX1100	SRF Approval of Contract Documents - Collction System	30-Mar-13 A	30-Mar-13	06-Aug-13 A	06-Aug-13	100%
Pump Station		10-Jan-12 A	10-Jan-12	29-Jan-15 A	29-Jan-15	100%
OX1010	Engineering - Pump Station	10-Jan-12 A	10-Jan-12	01-Aug-14 A	01-Aug-14	100%
OX1020	SRF Approval of Contract Documents - Pump Station	02-Aug-14 A	02-Aug-14	29-Jan-15 A	29-Jan-15	100%
OX1020	ON Approval of Contract Documents - 1 unit Claudi					10070
Collection Syst		07-Aug-13 A	07-Aug-13	02-Mar-14 A	02-Mar-14	100%
OX1075	Construction Bidding Phase - Collection System	07-Aug-13 A	07-Aug-13	17-Dec-13 A	17-Dec-13	100%
OX2020	SRF Adminstration Period - Collection System	18-Dec-13 A	18-Dec-13	02-Mar-14 A	02-Mar-14	100%
Pump Station		30-Jan-15 A	30-Jan-15	06-Aug-15 A	06-Aug-15	100%
OX1070	Construction Bidding Phase - Pump Station	30-Jan-15 A	30-Jan-15	29-May-15 A	29-May-15	100%
OX2000	SRF Adminstration Period - Pump Station	30-May-15 A	30-May-15	06-Aug-15 A	06-Aug-15	100%
Collection Suct	tom	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	100%
OX2030	Construction Phase - Collection System	03-Mar-14 A	03-Mar-14	15-Dec-15 A	15-Dec-15	100%
	<u> </u>					
Pump Station OX1080	Construction Phase - Pump Station	07-Aug-15 A 07-Aug-15 A	07-Aug-15 07-Aug-15	12-Jun-18 A 12-Jun-18 A	12-Jun-18 12-Jun-18	100% 100%
			57 7 tug-15		12 Juli-10	
EPA and TDEC	••	30-Jul-18		30-Jul-18		0%
OX1030	Notification of Completion to EPA, TDEC, TCWN  ewer Basin and PS Improvements	30-Jul-18* 21-Dec-10 A	21-Dec-10	30-Jul-18 24-Apr-16 A	24-Apr-16	0% 100%
	ee Duration (36 Months)	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
OV1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
OV1050	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%
J 1000	SS. SSAR DOGGO Daragon Completion Milestone			<u> </u>	·	
Project Procur		21-Dec-10 A	21-Dec-10	21-Feb-11 A	21-Feb-11	100%
OV1090	Previously Procured Consent Decree Projects	21-Dec-10 A	21-Dec-10	21-Feb-11 A	21-Feb-11	100%
	e	22-Feb-11 A	22-Feb-11	01-Oct-11 A	01-Oct-11	100%



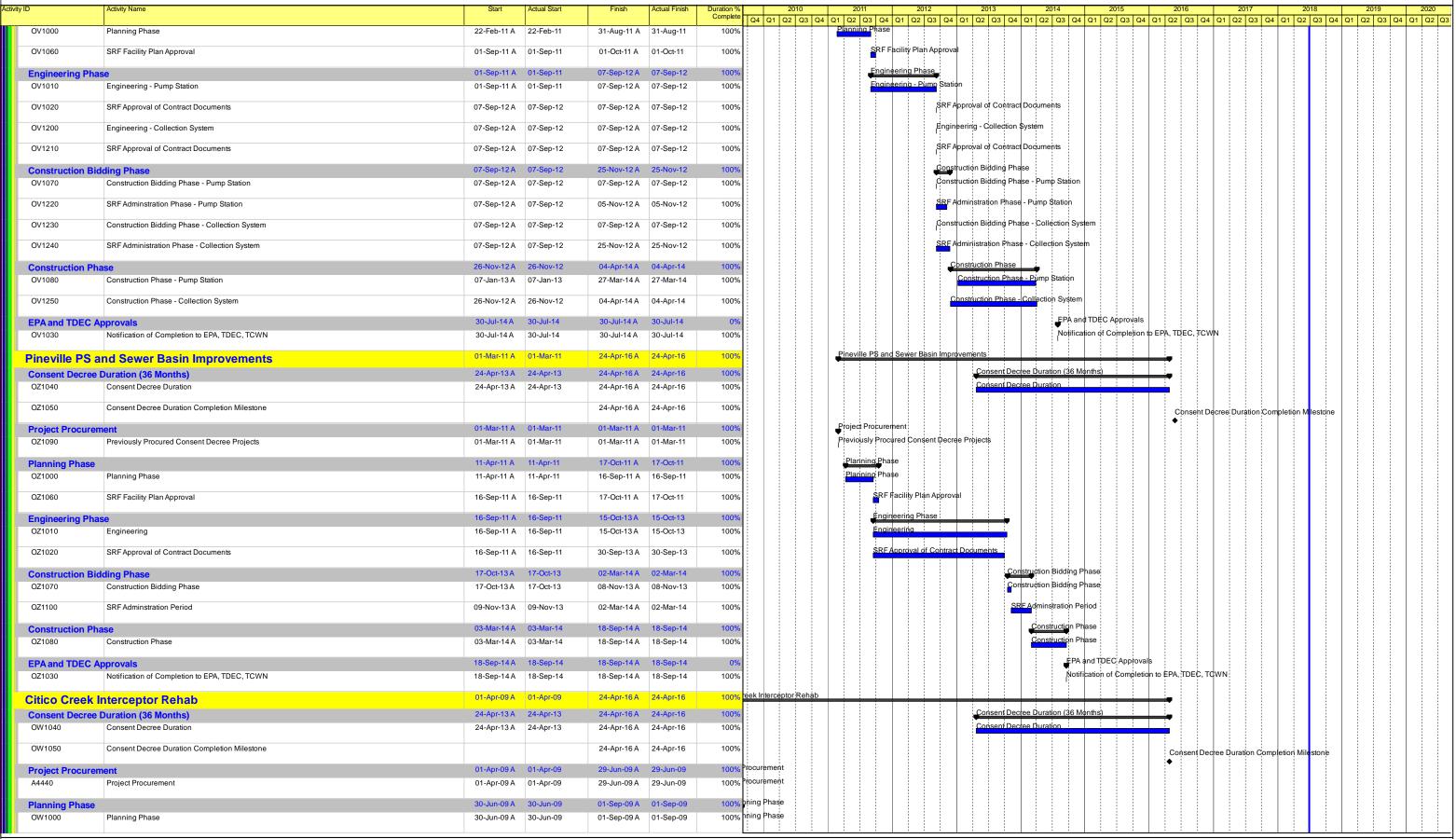
















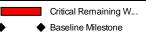
Baseline Milestone



Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	2010	2011		2012 2013 Q2 Q3 Q4 Q1 Q2 Q			2015	2016	2017	2018	2019	2020
OW1060	SRF Facility Plan Approval	30-Jun-09 A	30-Jun-09	30-Jun-09 A	30-Jun-09		ity Plan Approv		25 44 41 4	22 43 44 41 42 6	23 Q4 Q1 Q2	Q3 Q4 Q1 Q2	2 Q3 Q4 Q	Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q	4 41 42 4	1 Q4 Q1 Q2 Q	3 4 4 4 4
Engineeri	ng Phase	01-Jul-09 A	01-Jul-09	01-Aug-10 A	01-Aug-10	100% jiheeri	ng Phase											
OW1010	Engineering	01-Jul-09 A	01-Jul-09		01-Aug-10	100% tineeri	ing											
OW1020	SRF Approval of Contract Documents	01-Jul-09 A	01-Jul-09	01-Jul-09 A	01-Jul-09	100% FAppr	oval of Contrac	t Documents										
Construct	ion Bidding Phase	01-Aug-12 A	01-Aug-12	01-Sep-12 A	01-Sep-12	100%				Construction Biddin	ng Phase							
OW1070	Construction Bidding Phase	01-Aug-12 A			01-Sep-12	100%				Construction Biddin								
Construct	ion Dhaco	03-Jun-13 A	03lun-13	27lun-14 A	27-Jun-14	100%				Coi	nstruction Phase	<u> </u>						
OW1080	Construction Phase	03-Jun-13 A			27-Jun-14	100%					nstruction Phase							
<u>                                     </u>		20 1.1 44 4	20 Jul 44	20 1 144 0	20 1.1.44	00/						EPA and TDEC	Amprovals					
OW1030	DEC Approvals  Notification of Completion to EPA, TDEC, TCWN	30-Jul-14 A 30-Jul-14 A		30-Jul-14 A 30-Jul-14 A		100%						: <b>*</b> : : :		EPA, TDEC, TCW	N			
										Highland Da	ali Camar Dahah							
Highlan	d Park Sewer Rehab	12-Dec-12 A		30-Jul-18		100%				- i - i	ırk \$ewer Rehab					-		
	Decree Duration (60 Months)	24-Apr-13 A		-	24-Apr-18	100%					ent Decree Dura					-		
AD1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%				Cons	i i		1 1					
AD1050	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%										Cons	ent Decree Duratio	n Completion Miles
Project Pr	ocurement	12-Dec-12 A	12-Dec-12	18-Apr-13 A	18-Apr-13	100%				Project Proc	urement					•		
AD1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%				CD Prequali	fication Procurer	nent (FY 2012 - 20	13) Priority II	- Development an	d Issuance of RF	P		
AD1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%				Consulta	int develops and	Submit Scope and	Cost proposa	al				
AD1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%				PMO Re	eviews/ Negotiate	s and Approve Pro	posal / Agree	ement				
AD1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%				PMO Ar	oproved Agreem	ent to Council for A	pproval					
AD1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%				Consul	Itant Signed Agre	ement to City for E	xecution					
Diamaina	The second secon	19-Apr-13 A	10-Apr-13	10 Apr 15 A	10-Apr-15	100%				Plann	ning Phase							
Planning I AD1000	Planning Phase	19-Apr-13 A	-	-	10-Apr-15	100%					ning Phase							
AD1060	SRF Facility Plan Approval	24-Oct-13 A	·		28-Apr-14	100%					SRF Facility	Plan Approval						
Engineeri	aw Dhana	10-Δpr-15 Δ	10-Apr-15	26-Apr-16 A	26-Apr-16	100%						En	gineering Ph	nase_				
Engineeri AD1010	Engineering	10-Apr-15 A		30-Dec-15 A		100%						: : -	gineering	•				
AD1020	SRF Approval of Contract Documents	31-Dec-15 A	31-Dec-15	26-Apr-16 A	26-Apr-16	100%							S	REApproval of Co	ntract Document	·s .		
AD 1020	Ski Apploval of Contract Documents																	
	ion Bidding Phase	27-Apr-16 A		-	30-Sep-16	100%								-	Bidding Phase Bidding Phase			
AD1070	Construction Bidding Phase	27-Apr-16 A	27-Apr-16	16-Aug-16 A	16-Aug-16	100%								- I <del></del> I - I				
AD1140	SRF Administration Phase	17-Aug-16 A	17-Aug-16	30-Sep-16 A	30-Sep-16	100%								SRFAc	ministration Phas	se		
Construct	ion Phase	30-Sep-16 A	30-Sep-16	28-Nov-17 A	28-Nov-17	100%									truction Phase	•		
AD1080	Construction Phase	30-Sep-16 A	30-Sep-16	28-Nov-17 A	28-Nov-17	100%								Cons	truction Phase	•		
EPA and T	DEC Approvals	30-Jul-18		30-Jul-18		0%										J	PA and TDEC Appr	ovals
AD1030	Notification of Completion to EPA, TDEC, TCWN	30-Jul-18*		30-Jul-18		0%				0:4	00					N	otification of Comp	letion to EPA, TDE0
	SOTF PS Improvement Study		18-Oct-12	·	24-Apr-16	100%					S Improvement	tion (36 Months)		<b>-</b>				
	Decree Duration (36 Months)	24-Apr-13 A			24-Apr-16	100%						tion (36 Months)		<b></b>				
AM1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13		24-Apr-16	100%				Colls	eni Declee Bula							
AM1050	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%								Consent De	cree Duration Co	ompletion Miles	tane	
	ocurement	18-Oct-12 A			22-Jan-13	100%				Project Procure		* (EV 2040 - 0040)	Brigaria	ovolones et	0110702 25 DEB			
AM1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A			01-Dec-12	100%								evelopment and Is	suance of RFP			
AM1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A			11-Dec-12	100%				• • • • • • • • • • • • • • • • • • •		mit Scope and Cos						
AM1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A		21-Dec-12 A	21-Dec-12	100%						d Approve Propos		nt				
AM1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A		08-Jan-13 A		100%						Council for Appro						
AM1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%						eht to City for Exec	ution					
Planning l	Phase	23-Jan-13 A	23-Jan-13	10-Nov-14 A	10-Nov-14	100%				Planning F	Phase							

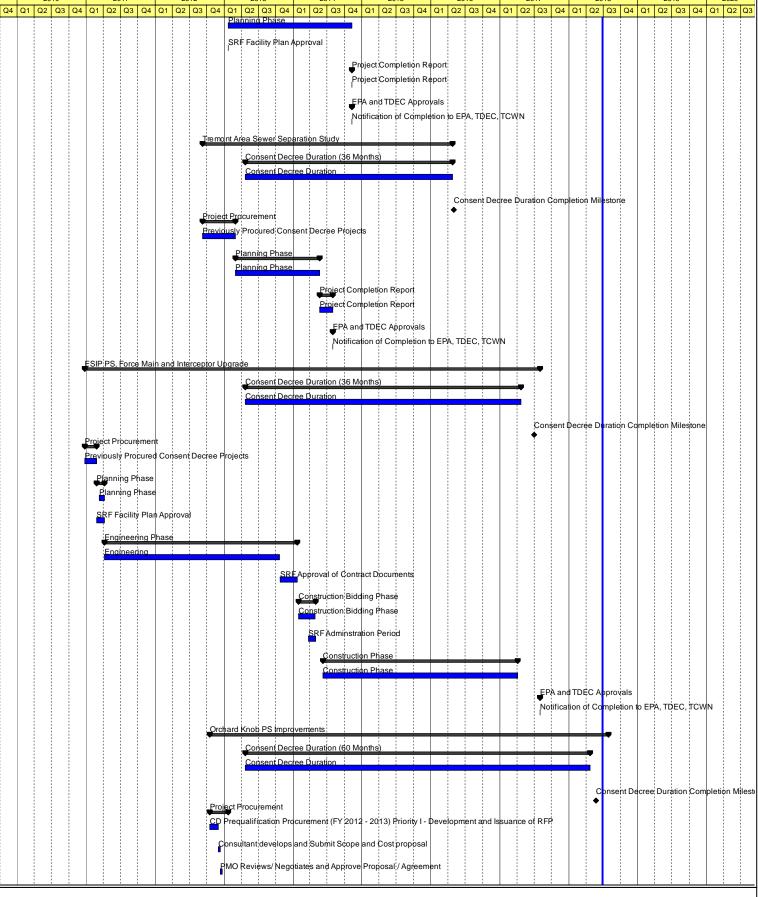








ity ID						
	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
AM1000	Planning Phase	23-Jan-13 A	23-Jan-13	10-Nov-14 A	10-Nov-14	100%
AM1060	SRF Facility Plan Approval	23-Jan-13 A	23-Jan-13	23-Jan-13 A	23-Jan-13	100%
Project Completic	on Report	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	0%
Ol2280	Project Completion Report	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	100%
EDA and TDEC A		10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	0%
EPA and TDEC Ap AM1030	Notification of Completion to EPA, TDEC, TCWN	10-Nov-14 A	10-Nov-14	10-Nov-14 A	10-Nov-14	100%
T		07-Sep-12 A	07-Sep-12	24-Apr-16 A	24-Apr-16	100%
	Sewer Separation Study	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
OU1040	Duration (36 Months)  Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
OLIAGEO	Connect Desire Divertion Completion Milestone			24 4== 46 4	24 4== 46	1000/
OU1050	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%
Project Procurem		07-Sep-12 A	07-Sep-12	28-Feb-13 A	28-Feb-13	100%
OU1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	28-Feb-13 A	28-Feb-13	100%
Planning Phase		01-Mar-13 A	01-Mar-13	22-May-14 A	22-May-14	100%
OU1000	Planning Phase	01-Mar-13 A	01-Mar-13	22-May-14 A	22-May-14	100%
Project Completion	on Report	23-May-14 A	23-May-14	29-Jul-14 A	29-Jul-14	100%
Ol2190	Project Completion Report	23-May-14 A	23-May-14	29-Jul-14 A	29-Jul-14	100%
EPA and TDEC Ap	pprovals	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14	0%
OU1030	Notification of Completion to EPA, TDEC, TCWN	30-Jul-14 A	30-Jul-14	30-Jul-14 A	30-Jul-14	100%
ESIP PS, Force	e Main and Interceptor Upgrade	24-Dec-10 A	24-Dec-10	31-Jul-17 A	31-Jul-17	100%
	Duration (36 Months)	24-Apr-13 A	24-Apr-13	24-Apr-17 A	24-Apr-17	100%
OT1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-17 A	24-Apr-17	100%
OT1050	Consent Decree Duration Completion Milestone			24-Apr-17 A	24-Apr-17	100%
Project Procurem	ont .	24-Dec-10 A	24-Dec-10	24-Feb-11 A	24-Feb-11	100%
OT1090	Previously Procured Consent Decree Projects	24-Dec-10 A	24-Dec-10	24-Feb-11 A	24-Feb-11	100%
Planning Phase		25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11	100%
OT1000	Planning Phase	11-Mar-11 A	11-Mar-11	07-Apr-11 A	07-Apr-11	100%
OT1060	SRF Facility Plan Approval	25-Feb-11 A	25-Feb-11	07-Apr-11 A	07-Apr-11	100%
	· · · ·			·	·	
Engineering Phas	<del>se</del>					
OT1010		08-Apr-11 A	08-Apr-11	23-Jan-14 A	23-Jan-14	100%
OT1010	Engineering	08-Apr-11 A	08-Apr-11	23-Oct-13 A	23-Jan-14 23-Oct-13	100%
OT1010 OT1020						
	Engineering SRF Approval of Contract Documents	08-Apr-11 A	08-Apr-11	23-Oct-13 A	23-Oct-13	100%
OT1020	Engineering SRF Approval of Contract Documents	08-Apr-11 A 24-Oct-13 A	08-Apr-11 24-Oct-13	23-Oct-13 A 23-Jan-14 A	23-Oct-13 23-Jan-14	100%
OT1020  Construction Bid	Engineering  SRF Approval of Contract Documents  ding Phase	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A	08-Apr-11 24-Oct-13 30-Jan-14	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A	23-Oct-13 23-Jan-14 29-Apr-14	100% 100% 100%
OT1020  Construction Bid OT1070  OT1100	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14	23-Oct-13 A  23-Jan-14 A  29-Apr-14 A  29-Apr-14 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14	100% 100% 100% 100%
OT1020  Construction Bid OT1070	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14	23-Oct-13 A  23-Jan-14 A  29-Apr-14 A  28-Apr-14 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14	100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period  sse  Construction Phase	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14 04-Apr-17	100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period  sse  Construction Phase	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14 04-Apr-17	100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period  SSE  Construction Phase  pprovals  Notification of Completion to EPA, TDEC, TCWN	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14 04-Apr-17 04-Apr-17 31-Jul-17	100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob	Engineering  SRF Approval of Contract Documents  ding Phase Construction Bidding Phase SRF Adminstration Period  sse Construction Phase  pprovals Notification of Completion to EPA, TDEC, TCWN	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 31-Jul-17	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14 04-Apr-17 04-Apr-17 31-Jul-17	100% 100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period  SSE  Construction Phase  pprovals  Notification of Completion to EPA, TDEC, TCWN	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A	23-Oct-13 23-Jan-14 29-Apr-14 28-Apr-14 29-Apr-14 04-Apr-17 04-Apr-17 31-Jul-17	100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob Consent Decree I AG1040	Engineering  SRF Approval of Contract Documents  ding Phase  Construction Bidding Phase  SRF Adminstration Period  SSE  Construction Phase  pprovals  Notification of Completion to EPA, TDEC, TCWN  D PS Improvements  Duration (60 Months)  Consent Decree Duration	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A 24-Apr-13 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 18-Oct-12 24-Apr-13	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A 30-Jul-18 24-Apr-18 A	23-Oct-13 23-Jan-14 29-Apr-14 29-Apr-14 29-Apr-17 04-Apr-17 31-Jul-17 31-Jul-17 24-Apr-18	100% 100% 100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob Consent Decree I	Engineering  SRF Approval of Contract Documents  ding Phase Construction Bidding Phase  SRF Adminstration Period  ase Construction Phase  Construction Phase  Poprovals Notification of Completion to EPA, TDEC, TCWN  PS Improvements  Duration (60 Months)	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A 24-Apr-13 A 24-Apr-13 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 18-Oct-12 24-Apr-13	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A 30-Jul-18 24-Apr-18 A 24-Apr-18 A	23-Oct-13 23-Jan-14 29-Apr-14 29-Apr-14 29-Apr-17 04-Apr-17 31-Jul-17 31-Jul-17 24-Apr-18 24-Apr-18	100% 100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob Consent Decree I AG1040  AG1050  Project Procurem	Engineering  SRF Approval of Contract Documents  ding Phase Construction Bidding Phase  SRF Adminstration Period  SSE Construction Phase  pprovals Notification of Completion to EPA, TDEC, TCWN  DPS Improvements Duration (60 Months) Consent Decree Duration  Consent Decree Duration Completion Milestone	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A 24-Apr-13 A 24-Apr-13 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 18-Oct-12 24-Apr-13 18-Oct-12	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A 30-Jul-18 24-Apr-18 A 24-Apr-18 A 24-Apr-18 A	23-Oct-13 23-Jan-14 29-Apr-14 29-Apr-14 29-Apr-17 04-Apr-17 31-Jul-17 31-Jul-17 24-Apr-18 24-Apr-18 24-Apr-18	100% 100% 100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knot Consent Decree I AG1040  AG1050	Engineering  SRF Approval of Contract Documents  ding Phase Construction Bidding Phase  SRF Adminstration Period  SSE Construction Phase  pprovals Notification of Completion to EPA, TDEC, TCWN  D PS Improvements Duration (60 Months) Consent Decree Duration  Consent Decree Duration Completion Milestone	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A 24-Apr-13 A 24-Apr-13 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 18-Oct-12 24-Apr-13	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-14 A 04-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A 30-Jul-18 24-Apr-18 A 24-Apr-18 A	23-Oct-13 23-Jan-14 29-Apr-14 29-Apr-14 29-Apr-17 04-Apr-17 31-Jul-17 31-Jul-17 24-Apr-18 24-Apr-18	100% 100% 100% 100% 100% 100% 100%
OT1020  Construction Bid OT1070  OT1100  Construction Pha OT1080  EPA and TDEC Ap OT1030  Orchard Knob Consent Decree I AG1040  AG1050  Project Procurem	Engineering  SRF Approval of Contract Documents  ding Phase Construction Bidding Phase  SRF Adminstration Period  SSE Construction Phase  pprovals Notification of Completion to EPA, TDEC, TCWN  DPS Improvements Duration (60 Months) Consent Decree Duration  Consent Decree Duration Completion Milestone	08-Apr-11 A 24-Oct-13 A 30-Jan-14 A 30-Jan-14 A 25-Mar-14 A 09-Jun-14 A 09-Jun-14 A 31-Jul-17 A 31-Jul-17 A 24-Apr-13 A 24-Apr-13 A	08-Apr-11 24-Oct-13 30-Jan-14 30-Jan-14 25-Mar-14 09-Jun-14 09-Jun-14 31-Jul-17 18-Oct-12 24-Apr-13 18-Oct-12	23-Oct-13 A 23-Jan-14 A 29-Apr-14 A 28-Apr-14 A 29-Apr-17 A 04-Apr-17 A 31-Jul-17 A 31-Jul-17 A 30-Jul-18 24-Apr-18 A 24-Apr-18 A 24-Apr-18 A	23-Oct-13 23-Jan-14 29-Apr-14 29-Apr-14 29-Apr-17 04-Apr-17 31-Jul-17 31-Jul-17 24-Apr-18 24-Apr-18 24-Apr-18	100% 100% 100% 100% 100% 100% 100% 100%











Activity ID	Activity Name	Start Actual Start	Finish Actual Finish	Duration %	2010	2011		2020
AG1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A 22-Dec-12	08-Jan-13 A 08-Jan-13	Complete 100%	Q4 Q1 Q2 Q3 Q	Q4 Q1 Q2 Q3 Q4	4 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q1 Q1 Q2 Q3 Q4 Q1 Q1 Q2 Q3 Q4 Q1	Q2 Q
AG1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A 09-Jan-13	22-Jan-13 A 22-Jan-13	100%			Consultant Signed Agreement to City for Execution	
Planning Phase	e	17-Apr-13 A 17-Apr-13	13-Jan-14 A 13-Jan-14	100%			Planning Phase	
AG1000	Planning Phase	17-Apr-13 A 17-Apr-13	12-Dec-13 A 12-Dec-13	100%			Planning Phase	
AG1060	SRF Facility Plan Approval	13-Dec-13 A 13-Dec-13	13-Jan-14 A 13-Jan-14	100%			SRF Facility Plan Approval	
Engineering Pl	nase	14-Jan-14 A 14-Jan-14	12-Oct-15 A 12-Oct-15	100%			Engineeting Phase	
AG1010	Engineering	14-Jan-14 A 14-Jan-14	19-Aug-15 A 19-Aug-15	100%			Engineering	
AG1020	SRF Approval of Contract Documents	20-Aug-15 A 20-Aug-15	12-Oct-15 A 12-Oct-15	100%			SRFApproval of Contract Documents	
Construction E AG1070	Construction Bidding Phase	21-Oct-15 A 21-Oct-15 21-Oct-15 A 21-Oct-15	18-Mar-16 A 18-Mar-16 19-Feb-16 A 19-Feb-16	100%			Construction Bidding Phase:  Construction Bidding Phase:	
AG1140	SRF Administration Phase	20-Feb-16 A 20-Feb-16	18-Mar-16 A 18-Mar-16	100%			SRF Administration Phase	
Construction P	Phase	19-Mar-16 A 19-Mar-16	21-Jun-17 A 21-Jun-17	100%			Construction Phase	
AG1080	Construction Phase	19-Mar-16 A 19-Mar-16	21-Jun-17 A 21-Jun-17	100%			Construction Phase:	
EPA and TDEC	Approvals	30-Jul-18	30-Jul-18	0%			FPA and TDEC Approvals	
AG1030	Notification of Completion to EPA, TDEC, TCWN	30-Jul-18*	30-Jul-18	0%			Notification of Completion to EP.	A, TDE
	ch PS Improvements	12-Dec-12 A 12-Dec-12	03-Oct-18	95.52%			Consent Decree Duration (60 Months)	
Consent Decre	e Duration (60 Months)  Consent Decree Duration	24-Apr-13 A 24-Apr-13 24-Apr-13 A 24-Apr-13	24-Apr-18 A 24-Apr-18 24-Apr-18 A 24-Apr-18	100%			Consent Decree Duration	
		24701107						
AF1050	Consent Decree Duration Completion Milestone		24-Apr-18 A 24-Apr-18	100%			Consent Decree: Duration Completion	ion Miles
Project Procur	ement	12-Dec-12 A 12-Dec-12	18-Apr-13 A 18-Apr-13	100%			<u>Froject</u> Procurement	
AF1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A 12-Dec-12	15-Feb-13 A 15-Feb-13	100%			CD Prequalification Procurement (FY 2012 - 2013) Pribrity II - Development and Issuance of RFP	
AF1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A 01-Mar-13	100%			Consultant develops and Submit Scope and Cost proposal	
AF1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13	15-Mar-13 A 15-Mar-13	100%			PMO Reviews/ Negotiates and Approve Proposal / Agreement	
AF4420		40 May 42 A 40 May 42	22 Mar 42 A 22 Mar 42				PMO Approved Agreement to Council for Approvel	
AF1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13	22-Mar-13 A 22-Mar-13	100%				
AF1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13	18-Apr-13 A 18-Apr-13	100%			Consultant Sighed Agreement to City for Execution	
Planning Phase		15-Apr-13 A 15-Apr-13	24-Mar-14 A 24-Mar-14	100%			Planning Phase	
AF1000	Planning Phase	15-Apr-13 A 15-Apr-13	24-Mar-14 A 24-Mar-14	100%			Planning Phase	
AF1060	SRF Facility Plan Approval	24-Oct-13 A 24-Oct-13	24-Mar-14 A 24-Mar-14	100%			SRF Fadility Plan Approval	
Engineering Pl	nase	25-Mar-14 A 25-Mar-14	27-Jan-16 A 27-Jan-16	100%			Engineering Phase:	
AF1010	Engineering	25-Mar-14 A 25-Mar-14	29-Oct-15 A 29-Oct-15	100%			Engineering	
AF1020	SRF Approval of Contract Documents	30-Oct-15 A 30-Oct-15	27-Jan-16 A 27-Jan-16	100%			SREApproval of Contract Documents	
Construction E	Sidding Phase  Construction Bidding Phase	28-Jan-16 A 28-Jan-16 28-Jan-16 A 28-Jan-16	08-Dec-16 A 08-Dec-16 01-Nov-16 A 01-Nov-16	100%			Construction Bidding Phase  Construction Bidding Phase	
AF1140	SRF Administration Phase	02-Nov-16 A 02-Nov-16	08-Dec-16 A 08-Dec-16	100%			SRF Administration Phase	
Construction P	Phase	09-Dec-16 A 09-Dec-16	02-Oct-18	80.17%			Construction Phase	
AF1080	Construction Phase	09-Dec-16 A 09-Dec-16	02-Oct-18	80.17%			Construction Phase Construction Phase	
EPA and TDEC		03-Oct-18	03-Oct-18	0%			FPA and TDEC Approvals	
AF1030	Notification of Completion to EPA, TDEC, TCWN	03-Oct-18	03-Oct-18	0%			Notification of:Completion to	EPA, T
The second secon	ch Basin Improvements	12-Dec-12 A 12-Dec-12	31-Jul-18	98.49%			Consent Decree Duration (60 Months)	
Consent Decre	e Duration (60 Months)  Consent Decree Duration	24-Apr-13 A 24-Apr-13 24-Apr-13 A 24-Apr-13	24-Apr-18 A 24-Apr-18 24-Apr-18 A 24-Apr-18	100%			Consent Decree Duration  Consent Decree Duration	
		21.1p. 1011 24-hpi-10						
AE1050	Consent Decree Duration Completion Milestone		24-Apr-18 A 24-Apr-18	100%			Consent Decree Duration Completion	on Mile
Project Procur		12-Dec-12 A 12-Dec-12	18-Apr-13 A 18-Apr-13	100%			<u>Froject</u> Procurement	
AE1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A 12-Dec-12	15-Feb-13 A 15-Feb-13	100%			CP Prequalification Procurement (FY 2012 - 2013) Pribrity II - Development and Issuance of RFP	
AE1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A 01-Mar-13	100%			Consultant develops and Submit Scope and Cost proposal	
						<u> </u>		<u>: :</u>





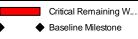
Baseline Milestone



Activity ID	Activity Name	Start Actual Start	Finish Act	ual Finish Durati	1 % 2010 2011	2012 2013 2014 2015	2016 20	7 1 2	018	2019   2020
	, same	Glart Adual Start	ACI	Com		Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4				2019 2020 Q2 Q3 Q4 Q1 Q2
AE1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13	15-Mar-13 A 15-	Mar-13 1	0%	PMO Reviews/ Negotiates and Approve Proposal / Ag				
AE1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13	22-Mar-13 A 22-	-Mar-13 1	0%	PMO Approved Agreement to Council for Approval				
AE1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13	18-Apr-13 A 18-	Apr-13 1	0%	Consultant Signed Agreement to City for Execution				
Planning Phas	e •	29-Apr-13 A 29-Apr-13	30-Jul-14 A 30-	Jul-14 1	0%	Planning Phase				
AE1000	Planning Phase	29-Apr-13 A 29-Apr-13	30-Jul-14 A 30-	Jul-14 1	0%	Planning Phase				
AE1060	SRF Facility Plan Approval	24-Oct-13 A 24-Oct-13	28-Apr-14 A 28-	-Apr-14 1	0%	SRF Facility Plan Approval				
			·							
Engineering P		12-May-14 A 12-May-14	24-Mar-17 A 24-		0%	Engineering Phase Engineering	₹ :			
AE1010	Engineering	12-May-14 A 12-May-14	23-Dec-16 A 23-	Dec-16 1	0%	<u> </u>				
AE1020	SRF Approval of Contract Documents	24-Dec-16 A 24-Dec-16	24-Mar-17 A 24-	Mar-17 1	0%		SRE Appro	val of Contract Do	cuments	
Construction I	Ridding Phase	24-Dec-16 A 24-Dec-16	04-May-17 A 04-	-May-17 1	0%		Constructi	n Bidding Phase		
AE1070	Construction Bidding Phase	24-Dec-16 A 24-Dec-16	27-Apr-17 A 27-		0%			n Bidding Phase		
AE4440	CDT Administration Deviced	44 0 - 47 0 44 0 - 47	04 May 47 A 04	May 47 4	004		SRE	Administration Pe	ind	
AE1140	SRF Administration Period	14-Apr-17 A 14-Apr-17	04-May-17 A 04-	riviay-11 1	0%					
Construction I		28-Apr-17 A 28-Apr-17	30-Jul-18	88.				struction Phase	<b>-</b>	
AE1080	Construction Phase	28-Apr-17 A 28-Apr-17	30-Jul-18	88.	2%		Cot	struction Phase, (	onstruction Pha	ase
EPA and TDEC	Approvals	31-Jul-18	31-Jul-18		0%				FPA and TDE	C Approvals
AE1030	Notification of Completion to EPA, TDEC, TCWN	31-Jul-18	31-Jul-18		0%				Notification o	f Completion to EPA, TD
Chattanoog	a Creek Interceptor Rehab	12-Dec-12 A 12-Dec-12	27-Jul-16 A 27-	Jul-16 1	0%	Chattanooga Creek Interceptor Rehab	<del></del>			
Maria de la companya	ee Duration (36 Months)	24-Apr-13 A 24-Apr-13	24-Apr-16 A 24-		0%	Consent Decree Duration (36 Months)  Consent Decree Duration	<del>     </del>			
AB1040	Consent Decree Duration	24-Apr-13 A 24-Apr-13	24-Apr-16 A 24-	-Apr-16 1	0%	Consent Decree Duration	<del>   </del>			
AB1050	Consent Decree Duration Completion Milestone		24-Apr-16 A 24-	-Apr-16 1	0%		Consent Decree Du	ration Completion	Milestone	
Dreiget Breau	amont.	12-Dec-12 A 12-Dec-12	18-Apr-13 A 18-	-Apr-13 1	0%	<u>Project</u> Procurement	•			
Project Procui	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-	-	0%	GD Prequalification Procurement (FY 2012 - 2013) Priority	II - Development and Issuance	of RFP		
					_					
AB1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A 16-Feb-13	01-Mar-13 A 01-	-Mar-13 1	0%	Consultant develops and Submit Scope and Cost prop	sai			
AB1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A 02-Mar-13	15-Mar-13 A 15-	Mar-13 1	0%	PMO Reviews/ Negotiates and Approve Proposal / Ag	eement			
AB1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A 16-Mar-13	22-Mar-13 A 22-	-Mar-13 1	0%	PMO Approved Agreement to Council for Approval				
AB1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A 23-Mar-13	18-Apr-13 A 18-	-Apr-13 1	0%	Consultant Signed Agreement to City for Execution				
Planning Phas	e '	06-May-13 A 06-May-13	02-May-14 A 02-	May-14 1	0%	Planning Phase				
AB1000	Planning Phase	06-May-13 A 06-May-13	02-May-14 A 02-	May-14 1	0%	Planning Phase				
AB1060	SRF Facility Plan Approval	24-Oct-13 A 24-Oct-13	28-Apr-14 A 28-	-Apr-14 1	0%	SRF Facility Plan Approval				
						Engineering Phase				
Engineering P AB1010		05-May-14 A 05-May-14 05-May-14 A 05-May-14	30-Jan-15 A 30- 18-Dec-14 A 18-		0% 0%	Engineering				
	Engineering	00-iviay-14A 00-iviay-14	10-Dec-14 A 18-	D00-14	<u> </u>					
AB1020	SRF Approval of Contract Documents	19-Dec-14 A 19-Dec-14	30-Jan-15 A 30-	Jan-15 1	0%	SRF Approval of C	ontract Documents			
Construction I	Bidding Phase	02-Feb-15 A 02-Feb-15	11-Jun-15 A 11-	Jun-15 1	0%	Construction Bio	ding Phase			
AB1070	Construction Bidding Phase	02-Feb-15 A 02-Feb-15	19-May-15 A 19-	-May-15 1	0%	Construction Bio	ding Phase			
AB1140	SRF Adminstration Period	20-May-15 A 20-May-15	11-Jun-15 A 11-	Jun-15 1	0%	SRFAdmin	stration Period			
Construction I		14-Jul-15 A 14-Jul-15	27-Jul-16 A 27-		0%	· · · · · · · · · · · · · · · · · · ·	tion Phase			
AB1080	Construction Phase	14-Jul-15 A 14-Jul-15	27-Jul-16 A 27-	Jui-16   1	0%	Consut				
EPA and TDEC	Approvals	27-Jul-16 A 27-Jul-16	27-Jul-16 A 27-	Jul-16	0%		FPA and TDEC Ap	1 1 1		
AB1030	Notification of Completion to EPA, TDEC, TCWN	27-Jul-16 A 27-Jul-16	27-Jul-16 A 27-	Jul-16 1	0%		Notification of Cor	pletion to EPA, TI	EC, TCWN	
Tannery Fla	ts Interceptor Rehab	12-Dec-12 A 12-Dec-12	24-Apr-16 A 24-	Apr-16 1	0%	Jannery Flats Interceptor Rehab				
	ee Duration (36 Months)	24-Apr-13 A 24-Apr-13	24-Apr-16 A 24-	Apr-16 1	0%	Consent Decree Duration (36 Months)				
AA1040	Consent Decree Duration	24-Apr-13 A 24-Apr-13	24-Apr-16 A 24-		0%	Consent Decree Duration				
AA1050	Consent Decree Duration Completion Milestone		·							
AATUOU	Consent Decree Duration Completion Milestone		24-Apr-16 A 24-	-Api-10 1	0%		Consent Decree Durat	on Completion Mi	estone	
Project Procui	rement	12-Dec-12 A 12-Dec-12	18-Apr-13 A 18-	-Apr-13 1	0%	Project Procurement				



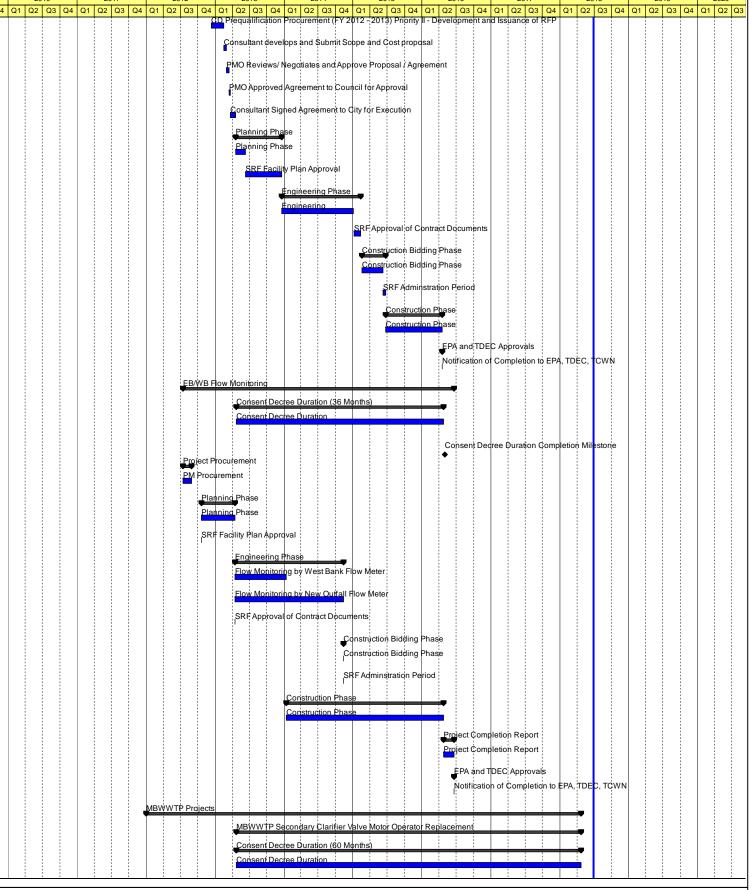








Activity ID	Adivity Name	Start	Actual Start	Finish	Actual Finish	Duration %			2010		2	2011		2
						Complete	Q4		Q2 Q3	Q4 (			Q4 Q	
AA1090	CD Prequalification Procurement (FY 2012 - 2013) Priority II - Development and Issuance of RFP	12-Dec-12 A	12-Dec-12	15-Feb-13 A	15-Feb-13	100%								
AA1100	Consultant develops and Submit Scope and Cost proposal	16-Feb-13 A	16-Feb-13	01-Mar-13 A	01-Mar-13	100%								
AA1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	02-Mar-13 A	02-Mar-13	15-Mar-13 A	15-Mar-13	100%								
AA1120	PMO Approved Agreement to Council for Approval	16-Mar-13 A	16-Mar-13	22-Mar-13 A	22-Mar-13	100%								
AA1130	Consultant Signed Agreement to City for Execution	23-Mar-13 A	23-Mar-13	18-Apr-13 A	18-Apr-13	100%								
Planning Phase		20-Apr-13 A	20-Apr-13	19-Dec-13 A	19-Dec-13	100%								
AA1000	Planning Phase	20-Apr-13 A	20-Apr-13	10-Jun-13 A	10-Jun-13	100%								
AA1060	SRF Facility Plan Approval	11-Jun-13 A	11-Jun-13	19-Dec-13 A	19-Dec-13	100%								
Engineering Phase	A2	20-Dec-13 A	20-Dec-13	10-Feb-15 A	10-Feb-15	100%								
AA1010	Engineering	20-Dec-13 A	20-Dec-13	05-Jan-15 A	05-Jan-15	100%								
AA1020	SRF Approval of Contract Documents	06-Jan-15 A	06-Jan-15	10-Feb-15 A	10-Feb-15	100%								
Construction Richard	ding Dhace	19-Feb-15 A	19-Feb-15	24-Jun-15 A	24-Jun-15	100%								
Construction Bid  AA1070	Construction Bidding Phase	19-Feb-15 A	19-Feb-15	08-Jun-15 A	08-Jun-15	100%								
AA1140	SRF Adminstration Period	09-Jun-15 A	09-Jun-15	24-Jun-15 A	24-Jun-15	100%								
Construction Pha AA1080	ase Construction Phase	25-Jun-15 A 25-Jun-15 A	25-Jun-15 25-Jun-15	17-Apr-16 A 17-Apr-16 A	17-Apr-16	100% 100%								
					·									
EPA and TDEC A	pprovals   Notification of Completion to EPA, TDEC, TCWN	17-Apr-16 A 17-Apr-16 A	17-Apr-16	17-Apr-16 A 17-Apr-16 A	17-Apr-16	0% 100%								
		· ·			·									
EB/WB Flow		15-Jul-12 A	15-Jul-12	21-Jun-16 A	21-Jun-16	100%								
	Duration (36 Months)	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%								
AC1450	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%								
AC1460	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%								
Project Procuren	nent	15-Jul-12 A	15-Jul-12	28-Aug-12 A	28-Aug-12	100%								
AC1470	PM Procurement	15-Jul-12 A	15-Jul-12	28-Aug-12 A	28-Aug-12	100%								
Planning Phase		20-Oct-12 A	20-Oct-12	15-Apr-13 A	15-Apr-13	100%								
AC1520	Planning Phase	20-Oct-12 A	20-Oct-12	15-Apr-13 A	15-Apr-13	100%								
AC1530	SRF Facility Plan Approval	20-Oct-12 A	20-Oct-12	20-Oct-12 A	20-Oct-12	100%								
Engineering Phas	Se	16-Apr-13 A	16-Apr-13	11-Nov-14 A	11-Nov-14	100%								
AC1540	Flow Monitoring by West Bank Flow Meter	16-Apr-13 A	16-Apr-13	11-Jan-14 A	11-Jan-14	100%								
AC1545	Flow Monitoring by New Outfall Flow Meter	16-Apr-13 A	16-Apr-13	11-Nov-14 A	11-Nov-14	100%								
AC1550	SRF Approval of Contract Documents	16-Apr-13 A	16-Apr-13	16-Apr-13 A	16-Apr-13	100%								
Construction Bid	  ding Phase	11-Nov-14 A	11-Nov-14	11-Nov-14 A	11-Nov-14	0%								
AC1560	Construction Bidding Phase	11-Nov-14 A	11-Nov-14	11-Nov-14 A	11-Nov-14	100%								
AC1570	SRF Adminstration Period	11-Nov-14 A	11-Nov-14	11-Nov-14 A	11-Nov-14	100%								
Construction Pha	ase	12-Jan-14 A	12-Jan-14	24-Apr-16 A	24-Apr-16	0%								
AC1580	Construction Phase	12-Jan-14 A	12-Jan-14	24-Apr-16 A	24-Apr-16	100%								
Project Completic	n Report	25-Apr-16 A	25-Apr-16	20-Jun-16 A	20-Jun-16	100%								
Ol2440	Project Completion Report	25-Apr-16 A	25-Apr-16	20-Jun-16 A	20-Jun-16	100%								
EPA and TDEC A	pprovals	21-Jun-16 A	21-Jun-16	21-Jun-16 A	21-Jun-16	0%								
AC1590	Notification of Completion to EPA, TDEC, TCWN	21-Jun-16 A	21-Jun-16	21-Jun-16 A	21-Jun-16	100%								
MBWWTP Pro	iects	01-Jan-12 A	01-Jan-12	24-Apr-18 A	24-Apr-18	100%							ME	3WWT
	condary Clarifier Valve Motor Operator Replacement	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%								
	Duration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%								
AL1150	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%								
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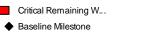
Baseline Milestone



Activity ID	)	Activity Name	Start	Actual Start	Finish	Actual Finish		2010	2011	2012	2013	2014	2015	2016			2018 2019	
	AL 4400	Occasi Parasa Paratina Carachifina Milantana			04 4 7 7 40 4	04.4==40		Q4 Q1 Q2 Q3 Q4 Q1	Q2 Q3 Q4	1 Q1 Q2 Q3	3 Q4 Q1 Q2 Q	Q4 Q1 Q2 Q3 Q4	Q1 Q2 Q3 Q	Q4 Q1 Q2 Q3	3 Q4 Q1 Q2 (	Q3 Q4 Q1		
	AL1160	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%										Consent Decree Duration	n Completion Milest
	Project Procurem	nent	25-Apr-13 A	25-Apr-13	31-May-16 A	31-May-16	100%					Procurement					<b>Y</b>	
	AL1250	City Develops Project Scope	25-Apr-13 A	25-Apr-13	31-May-16 A	31-May-16	100%				City De	velops Project Scope	1 1 1					
	Diamaina Dhasa		01-Jun-16 A	01- lup-16	30 Jun 16 A	30-Jun-16	100%							Plan	ning Phase			
	Planning Phase AL1170	Planning Phase	01-Jun-16 A			30-Jun-16	100%								ning Phase			
	ALTITO	Training Frace	01 0411 1071	01 0011 10	00 0011 1071	00 0uii 10	10070							-				
	Engineering Phas	6e	01-Jul-16 A	01-Jul-16	31-Oct-16 A	31-Oct-16	100%							1 1	gineering Phase			
	AL1190	Engineering	01-Jul-16 A	01-Jul-16	31-Oct-16 A	31-Oct-16	100%							Eng	gineering			
	Construction Pha	lase	02-Sep-16 A	02-Sep-16	27-Jan-17 A	27-Jan-17	100%								Construction Pha	se		
	AL1230	Construction Phase	02-Sep-16 A		27-Jan-17 A	27-Jan-17	100%								Construction Pha			
				<u></u>											EDA and	TDEC Approv	nla	
	EPA and TDEC A		28-Jan-17 A		28-Jan-17 A		0%										tion to EPA, TDEC, TCWN	
	AL1290	Notification of Completion to EPA, TDEC, TCWN	28-Jan-17 A	28-Jan-17	28-Jan-17 A	28-Jan-17	100%								Nomicalio	on or comple	tono El A, IDEO, IOWIV	
	MBWWTP Hvo	draulic and Pump Improvements	18-Oct-12 A	18-Oct-12	24-Apr-18 A	24-Apr-18	100%				MBWWTP Hydra	ulic and Pump Improveme	nts				•	
		Duration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%					nt Decree Duration (60 Mo						
	AK1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13		24-Apr-18	100%				Conse	nt Decree Duration						
	AV1050	Consent Degree Duration Completion Milesters			04 4 - 40 4	24 4== 12	4000/											
	AK1050	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%										Consent Decree Duration	n Completion Milest
	Project Procurem	n <mark>ent</mark>	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	100%				Project Procuren							
	AK1090	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%				CP Prequalificat	on Procurement (FY 2012	- 2013) Priority I	I - Development	and Issuance of I	RFP		
	AK1100	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%				Consultant de	relops and Submit Scope	and Cost propos	al				
	ACTIO	Consultant develops and Cubinit Occipe and Cost proposal	02-D60-12A	02-Dec-12	11-Dec-12 A	11-060-12	100%											
	AK1110	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%				PMO Reviews	/Negotiates and Approve	Proposal / Agree	ement				
	AK1120	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%				PMO Approve	d Agreement to Council fo	or Approval					
											<b>T</b>							
	AK1130	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%				Consultant	igned Agreement to City fo	or Execution					
	Planning Phase		02-Feb-13 A	02-Feb-13	13-Feb-14 A	13-Feb-14	100%				Planning P	nase						
	AK1000	Planning Phase	02-Feb-13 A	02-Feb-13	13-Feb-14 A	13-Feb-14	100%				Planning P	nase						
₩-	AK1060	CDT Fasilia Diag Aparausi	24-Oct-13 A	24 0+ 12	13-Feb-14 A	13-Feb-14	100%					SRF Facility Plan Appro	leva					
	AK1060	SRF Facility Plan Approval	24-001-13 A	24-001-13	13-Feb-14 A	13-Feb-14	100%					domy larrippi						
	Engineering Phas	<del>.</del> 6 <b>e</b>	14-Feb-14 A	14-Feb-14	20-Oct-14 A	20-Oct-14	100%					Engineering Phas	se					
	AK1010	Engineering	14-Feb-14 A	14-Feb-14	05-Sep-14 A	05-Sep-14	100%					Engineering						
	AK1020	SRF Approval of Contract Documents	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20-Oct-14	100%					SRFA	pproval of Contra	act Documents				
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	Construction Bid		23-Oct-14 A			12-Dec-14	100%						struction Bidding					
	AK1070	Construction Bidding Phase	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04-Dec-14	100%					Eon Eon	struction Bidding	y Phase				
	AK1140	SRF Administration Phase	05-Dec-14 A	05-Dec-14	12-Dec-14 A	12-Dec-14	100%					şı	RFAdministratio	n Phase				
	Construction Dis		16-Feb-15 A	16 Fob 15	20-Jul-16 A	20 Jul-16	100%						_Construction F	Phase				
	Construction Pha AK1080	Construction Phase	16-Feb-15 A		20-Jul-16 A		100%						Construction F					
	71111000	SONIGROUNT HUSE	10 100 107	10 1 05 10	20 001 1071	20 001 10	10070							1 1				
	EPA and TDEC A		21-Jul-16 A		31-Jul-16 A		100%							1 1	PA and TDEC App			
	A4660	Notification of Completion to EPA, TDEC, TCWN	21-Jul-16 A	21-Jul-16	31-Jul-16 A	31-Jul-16	100%							No	otification of Com	pletion to EPA	A, IDEC, ICWN	
	MBWWTP Rai	and Fine Screen Replacements	01-Jan-12 A	01-Jan-12	24-Apr-18 A	24-Apr-18	100%			MBWWTP Ba	ar and Fine Screen	Replacements						
		Ouration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%				Conse	nt Decree Duration (60 Mo	nths)					
	AJ1040	Consent Decree Duration	24-Apr-13 A			24-Apr-18	100%					nt Decree Duration						
	AJ1050	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%										Consent Decree Duratio	n Completion Milest
	Project Procurem	nent	07-Sep-12 A	07-Sep-12	07-Sep-12 A	07-Sep-12	0%				Project Procureme	nt					<b>*</b>	
	AJ1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12		07-Sep-12	100%					d Consent Decree Project	s					
	Dianning Disease		01-Jan-12 A	01- lan 12	17 Oct 12 A	17-Oct-12	100%			Planning Pha	ase							
	Planning Phase AJ1000	Planning Phase	01-Jan-12 A 01-Jan-12 A			07-Oct-12	100%			Planning Pha	<del></del>   ; ;							
			5. Juli-12A	5. Juli 12	57 GGF12A	J. 500-12					7							
	AJ1060	SRF Facility Plan Approval	08-Oct-12 A	08-Oct-12	17-Oct-12 A	17-Oct-12	100%				SRF Facility Plan	Approval						
	Engineering Phas		01-May-12 A	01-May-12	20-Oct-14 A	20-Oct-14	100%			Engine	eering Phase							
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Q1 Q2 Q3 Q4 Q1 Q2 Q3

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ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2	012 Q3 Q4 Q1	2013 Q2 Q3 Q4	Q1 Q2 0		015 Q3 Q4 (
AJ1010	Engineering	01-May-12 A	01-May-12	05-Sep-14 A	05-Sep-14	100%	<u> </u>	gineering				
AJ1020	SRF Approval of Contract Documents	06-Sep-14 A	06-Sep-14	20-Oct-14 A	20-Oct-14	100%					SRF Approval o	of Contract
7.0.020	On a pprovided Social Control Control			20 000 1 170							7	
Construction B	_	23-Oct-14 A	23-Oct-14	12-Feb-15 A	12-Feb-15	100%					Construction	
AJ1070	Construction Bidding Phase	23-Oct-14 A	23-Oct-14	04-Dec-14 A	04-Dec-14	100%					Construction	Blading Fit
AJ1100	SRF Adminstration Phase	05-Dec-14 A	05-Dec-14	12-Feb-15 A	12-Feb-15	100%					SRF Admir	ristration Ph
Construction P	lhaco	16-Feb-15 A	16-Feb-15	30-Jun-17 A	30-Jun-17	100%					Constr	ruction Phas
AJ1080	Construction Phase	16-Feb-15 A	16-Feb-15	30-Jun-17 A	30-Jun-17	100%						ruction Phas
								MDWWT	D Effluent Die	infootion ()	retorn Lingradia	
MBWWTP E	ffluent Disinfection System Upgrade	18-Oct-12 A	18-Oct-12	24-Apr-16 A	24-Apr-16	100%		IVID VV VI			stem Upgrade	+++
	e Duration (36 Months)	24-Apr-13 A		24-Apr-16 A		100%					n (36 Months)	+ + +
AC1340	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%			Consent Dec	ee Duration		++++
AC1350	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%						
Drainat Branss	amout	18-Oct-12 A	18-Oct-12	12-Jan-13 A	12-Jan-13	100%		Project P	rocurement			
Project Procure AC1390	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%		CD Preq	ualification Pr	curement (	FY 2012 - 2013) F	Priority I - D
								-				
AC1400	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%		Consu	Itant develops	and Submi	t Scope and Cost	proposal
AC1410	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	12-Dec-12 A	12-Dec-12	100%		РМО	Reviews/Neg	tiates and /	Approve Proposal	I / Agreeme
AC4420	DMO Approved Agreement to Council for Approved	12-Dec-12 A	12-Dec-12	29-Dec-12 A	29-Dec-12	100%		PMO	Annroved Agr	ement to C	ouncil for Approva	al
AC1420	PMO Approved Agreement to Council for Approval	12-Dec-12 A	12-Dec-12	29-Dec-12 A	29-Dec-12	100%			ippioved) igic		Julion Tolly prove	
AC1430	Consultant Signed Agreement to City for Execution	30-Dec-12 A	30-Dec-12	12-Jan-13 A	12-Jan-13	100%		Cons	ultant Signed	Agreement	to City for Executi	ion
Planning Phase	•	29-Apr-13 A	29-Apr-13	28-Aug-13 A	28-Aug-13	100%			Planning Pha	ase		
AC1300	Planning Phase	29-Apr-13 A	29-Apr-13	15-May-13 A	15-May-13	100%			Planning Pha			
101000	0055 111 01 4				22.4	4000/			1 1		wal	
AC1360	SRF Facility Plan Approval	14-May-13 A	14-May-13	28-Aug-13 A	28-Aug-13	100%			SRE Facility	FiairAppio	vai	
ingineering Ph	nase	10-Oct-13 A	10-Oct-13	20-Oct-14 A	20-Oct-14	100%				neering Ph	ase	
AC1310	Engineering	10-Oct-13 A	10-Oct-13	04-Sep-14 A	04-Sep-14	100%			Eng	ineering	-	
AC1320	SRF Approval of Contract Documents	03-Sep-14 A	03-Sep-14	20-Oct-14 A	20-Oct-14	100%					SRF Approval o	Contract [
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Construction B	_	30-Oct-14 A	30-Oct-14	30-Jan-15 A	30-Jan-15	100%					Construction Construction	
AC1370	Construction Bidding Phase	30-Oct-14 A	30-Oct-14	04-Jan-15 A	04-Jan-15	100%					201011011011	Didding !!
AC1440	SRF Adminstration Period	05-Jan-15 A	05-Jan-15	30-Jan-15 A	30-Jan-15	100%					SRF Adm	ninstration F
Construction P	rhase	16-Mar-15 A	16-Mar-15	24-Apr-16 A	24-Apr-16	100%					Cons	struction Ph
AC1380	Construction Phase	16-Mar-15 A	16-Mar-15	24-Apr-16 A	24-Apr-16	100%					Cons	struction Ph
		04.4= 40.4	04.0==40	04 4 = = 40 4	04 4 40	00/						
EPA and TDEC AC1330	Approvals  Notification of Completion to EPA, TDEC, TCWN	24-Apr-16 A 24-Apr-16 A		24-Apr-16 A 24-Apr-16 A		100%						
A01000	Notification of Completion to ETA, TOEG, TOWN	24-Api-10A	24-Αρι-10	24-Api-10 A	24-Αρι-10	10070						
SO Projects	s en	15-Jul-12 A	15-Jul-12	24-Apr-16 A	24-Apr-16	100%		CSO Projects		+	<del></del>	
Carter Street	t CSOTF Outfall Replacement	07-Sep-12 A	07-Sep-12	24-Apr-16 A	24-Apr-16	100%		Carter Stre	et CSOTF Out	all Replace	ment	
Consent Decree	e Duration (36 Months)	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%		1 1	Consent Dec			
Al1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%			Consent Dec	ree Duratio	n i	
	Occasion Decree Describes Occasion with a Milestone			24-Apr-16 A	24-Apr-16	100%						
AI1050				2.740.1071	2 p o	10070						
Al1050	Consent Decree Duration Completion Milestone							i i i	1 1	1 1 1	: 1 :	
Project Procure	ement	07-Sep-12 A		17-Aug-13 A	· · · · · ·	100%		Project Pro				
			07-Sep-12 07-Sep-12	•	17-Aug-13	100% 100%			curement Procured Con	sent Decree	Projects	
Project Procure	Previously Procured Consent Decree Projects		07-Sep-12	•	17-Aug-13				Procured Con	ng Phase	∍ Projects	
Project Procure	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	17-Aug-13 A	17-Aug-13	100%			Procured Con		Projects	
Project Procure Al1090  Planning Phase	Previously Procured Consent Decree Projects  Planning Phase	07-Sep-12 A  18-Aug-13 A  18-Aug-13 A	07-Sep-12 18-Aug-13 18-Aug-13	17-Aug-13 A 28-Jul-14 A 15-Jun-14 A	17-Aug-13 28-Jul-14 15-Jun-14	100%			Procured Con	ng Phase	•	proval
Project Procure Al1090  Planning Phase Al1000  Al1060	Previously Procured Consent Decree Projects  Planning Phase  SRF Facility Plan Approval	07-Sep-12 A  18-Aug-13 A  18-Aug-13 A  16-Jun-14 A	07-Sep-12 18-Aug-13 18-Aug-13 16-Jun-14	17-Aug-13 A  28-Jul-14 A  15-Jun-14 A  28-Jul-14 A	17-Aug-13  28-Jul-14  15-Jun-14  28-Jul-14	100% 100% 100% 100%			Procured Con Plannii Plannii	ng Phase	PRF Facility Plan Ap	proval
Project Procure Al1090  Planning Phase Al1000  Al1060  Engineering Ph	Previously Procured Consent Decree Projects  Planning Phase  SRF Facility Plan Approval	07-Sep-12 A  18-Aug-13 A  18-Aug-13 A  16-Jun-14 A  18-Aug-13 A	07-Sep-12 18-Aug-13 18-Aug-13 16-Jun-14 18-Aug-13	17-Aug-13 A  28-Jul-14 A  15-Jun-14 A  28-Jul-14 A  12-Jan-15 A	17-Aug-13 28-Jul-14 15-Jun-14 28-Jul-14 12-Jan-15	100% 100% 100% 100%			Procured Con Plannii Plannii Engine	ng Phase	PRF Facility Plan Ap	lavorqt
Project Procure Al1090  Planning Phase Al1000  Al1060	Previously Procured Consent Decree Projects  Planning Phase  SRF Facility Plan Approval	07-Sep-12 A  18-Aug-13 A  18-Aug-13 A  16-Jun-14 A	07-Sep-12 18-Aug-13 18-Aug-13 16-Jun-14	17-Aug-13 A  28-Jul-14 A  15-Jun-14 A  28-Jul-14 A	17-Aug-13  28-Jul-14  15-Jun-14  28-Jul-14	100% 100% 100% 100%			Procured Con Plannii Plannii	ng Phase	PRF Facility Plan Ap	proval
Project Procure Al1090  Planning Phase Al1000  Al1060  Engineering Ph	Previously Procured Consent Decree Projects  Planning Phase  SRF Facility Plan Approval	07-Sep-12 A  18-Aug-13 A  18-Aug-13 A  16-Jun-14 A  18-Aug-13 A	07-Sep-12 18-Aug-13 18-Aug-13 16-Jun-14 18-Aug-13	17-Aug-13 A  28-Jul-14 A  15-Jun-14 A  28-Jul-14 A  12-Jan-15 A	17-Aug-13 28-Jul-14 15-Jun-14 28-Jul-14 12-Jan-15	100% 100% 100% 100%			Procured Con Plannii Plannii Engine	ng Phase	PRF Facility Plan Ap	



FPA and TDEC Approvals

Notification of Completion to EPA, TDEC, TCWN

Critical Remaining W...

ivity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
Al1070	Construction Bidding Phase	19-Feb-15 A	19-Feb-15	06-Aug-15 A	06-Aug-15	100%
Al1100	SRF Administration Phase	03-Aug-15 A	03-Aug-15	06-Aug-15 A	06-Aug-15	100%
Construction Pha	ase	28-Aug-15 A	28-Aug-15	24-Apr-16 A	24-Apr-16	100%
Al1080	Construction Phase	28-Aug-15 A	28-Aug-15	24-Apr-16 A	24-Apr-16	100%
EPA and TDEC A	nnrovale	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	0%
Al1030	Notification of Completion to EPA, TDEC, TCWN	24-Apr-16 A	24-Apr-16	24-Apr-16 A	24-Apr-16	100%
		15-Jul-12 A	15-Jul-12	24-Apr-16 A	24-Apr-16	100%
	f Valve Operators at CSO Facilities			<u> </u>	·	
Consent Decree I	Duration (36 Months)  Consent Decree Duration	24-Apr-13 A 24-Apr-13 A	24-Apr-13 24-Apr-13	24-Apr-16 A 24-Apr-16 A	24-Apr-16 24-Apr-16	100%
AIII140		24-Api-13 A	24-Api-10	24-Apr-10 A		
AH1150	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%
Project Procuren	nent	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	0%
AH1190	Previously Procured Consent Decree Projects (City Internal Project - Completed)	15-Jul-12 A	15-Jul-12	15-Jul-12 A	15-Jul-12	100%
Construction Pha	ase	15-Jul-12 A	15-Jul-12	07-Sep-12 A	07-Sep-12	100%
AH1180	Construction Phase	15-Jul-12 A	15-Jul-12	07-Sep-12 A	07-Sep-12	100%
Project Completi	on Report	01-Aug-13 A	01-Aug-13	29-Jan-14 A	29-Jan-14	100%
Ol2420	Project Completion Report	01-Aug-13 A	01-Aug-13	29-Jan-14 A	29-Jan-14	100%
EDA and TDEC A		30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	0%
EPA and TDEC A	Notification of Completion to EPA, TDEC, TCWN	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	100%
Operations Pr	<u>-                                    </u>	07-Sep-12 A	07-Sep-12	30-Jul-18		100%
South Chick I	PS Reliability Improvements	07-Sep-12 A	07-Sep-12	24-Apr-16 A	24-Apr-16	100%
	Duration (36 Months)	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
AH1040	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-16 A	24-Apr-16	100%
AH1050	Consent Decree Duration Completion Milestone			24-Apr-16 A	24-Apr-16	100%
Project Procuren	nent	07-Sep-12 A	07-Sep-12	11-Nov-12 A	11-Nov-12	100%
AH1090	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	11-Nov-12 A	11-Nov-12	100%
Planning Phase		12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	0%
AH1000	Planning Phase	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	100%
AH1060	SRF Facility Plan Approval	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	100%
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Engineering Phas		12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	0%
AH1010	Engineering	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	100%
AH1020	SRF Approval of Contract Documents	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	100%
Construction Bid	Iding Phase	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	0%
AH1070	Construction Bidding Phase	12-Nov-12 A	12-Nov-12	12-Nov-12 A	12-Nov-12	100%
Construction Pha	ase	12-Nov-12 A	12-Nov-12	16-Nov-12 A	16-Nov-12	100%
AH1080	Construction Phase	12-Nov-12 A	12-Nov-12	16-Nov-12 A	16-Nov-12	100%
EPA and TDEC A	nnrovale	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	0%
AH1030	Notification of Completion to EPA, TDEC, TCWN	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	100%
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Consent Decree I	Duration (60 Months)  Consent Decree Duration	24-Apr-13 A 24-Apr-13 A	24-Apr-13 24-Apr-13	24-Apr-18 A 24-Apr-18 A	24-Apr-18 24-Apr-18	100% 100%
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AC1200	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%
Project Procuren	n <mark>ent</mark>	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	100%
AC1240	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%
AC1250	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%
AC1260	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%

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Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	2010		2011	20		2013	01 5	2014		15	2016		2017	20	18	2019		2020
AC1270	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%	Q4 Q1 Q2 Q	23 Q4 (	Q1 Q2 Q3 Q4	4 Q1 Q2			Agreemen				Q1 Q2 Q3	Q4 Q1 Q2	Q3 Q4	Q1 Q2	Q3 Q4 Q	Q2 Q3	Q4 Q	I Q2
AC1280	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%					Ço	nsultant Si	ned Agree	ment to Ci	y for Execu	ion								
		27-Mar-13 A	27 Mor 12	11-Jul-13 A	11 101 12	100%					•	Planning	Phase											
Planning Phase AC1150	Planning Phase		27-Mar-13	10-Jun-13 A		100%						Planning Planning												
AC1210	SRF Facility Plan Approval	11-Jun-13 A	11- lun-13	11-Jul-13 A	11-Jul-13	100%						SRF	acility Plan	Approval										
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Engineering Ph AC1160	Engineering	12-Jul-13 A 12-Jul-13 A		10-Nov-15 A 16-Oct-15 A	10-Nov-15 16-Oct-15	100% 100%							ineering Ph ineering											
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AC1170	SRF Approval of Contract Documents	17-Oct-15 A	17-Oct-15	10-Nov-15 A	10-Nov-15	100%										•			illeritä.					
Construction B			10-Nov-15	01-Dec-16 A		100%											nstruction Biddi	<del></del>						
AC1220	Construction Bidding Phase	10-Nov-15 A		07-Nov-16 A	07-Nov-16	100%																		
AC1290	SRF Adminstration Period	07-Nov-16 A	07-Nov-16	01-Dec-16 A	01-Dec-16	100%												SRF Admin	stration Pe	nod				
Construction P		13-Nov-16 A			28-Nov-17	100%												Constructio						
AC1230	Construction Phase	13-Nov-16 A	13-Nov-16	28-Nov-17 A	28-Nov-17	100%												Constructio	nase					
EPA and TDEC		30-Jul-18		30-Jul-18		0%															EPA and TI	1 1	- 1	=Dh =
AC1180	Notification of Completion to EPA, TDEC, TCWN  g Term Control Plan Updates	30-Jul-18* 15-Jul-12 A	15-Jul-12	30-Jul-18 07-Feb-18 A	07-Feb-18	100%					Para 24 - Lo	ng Term C	ntrol Plan I	Jpdates							inounication	di Compli	auon to E	PA, I
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	e Duration (19 Months)	24-Apr-13 A			24-Nov-14	100%							Decree Du		7									
001220	Consent Decree Duration	24-Apr-13 A			24-Nov-14	100%						Consen	Decree Du	ration	i									
OO1230	Consent Decree Duration Completion Milestone			24-Nov-14 A	24-Nov-14	100%									Consent	Decree Du	ration Completi	on Milestone	9					
Project Procure	ement	15-Jul-12 A	15-Jul-12	01-Jul-13 A	01-Jul-13	100%					Project Proc	urement			•		- Complete	- Incoporte						
OO1110	Program Manager (PM) Procurement (FY 2012 - 2013)	15-Jul-12 A		15-Jul-12 A	15-Jul-12	100%					Program Ma		Procureme	ent (FY 20	2 - 2013)									
OO1240	Administration Phase	15-Jul-12 A	15-Jul-12	01-Jul-13 A	01-Jul-13	100%					Administration	on Phase												
Planning Phase		02-Jul-13 A	02-Jul-13	12-Oct-14 A	12-Oct-14	100%						Plar	hing Phase											
OO1120	Planning Phase	02-Jul-13 A			31-May-14	100%							ning Phase											
OO1400	Program Manager / Owner Review and Coordination	01-Jun-14 A	01-Jun-14	12-Oct-14 A	12-Oct-14	100%								Program	Manager /	) Owner Rev	riew and Coord	ination						
Public Docume	ont Repository	13-Oct-14 A	13-Oct-14	18-Nov-14 A	18-Nov-14	100%								Р	ublic Docum	ent Repo	sitory							
OO1130	Submit Draft Deliverable to Reference Librarian	13-Oct-14 A		13-Oct-14 A	_	100%											e to Reference	Librarian						
OO1140	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	13-Oct-14 A	13-Oct-14	100%								Р	ost Copy of	Draft Deli	erable on City's	s Website						
OO1150	Public Review Period	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14	100%								Р	ublic Réviev	v Period								
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OO1160	Public Comment Review Period	17-Nov-14 A	17-Nov-14	18-Nov-14 A	18-Nov-14	100%									Public Com	menukevi	ew reliod							
OO1170	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			18-Nov-14 A	18-Nov-14	100%									4		EPA, TDEC an	id Provide no	otice to TC	WN				
EPA and TDEC	•••		18-Nov-14		31-Mar-15	100%									EPA and TI			Halik DDD						
OO1180	Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A	18-Nov-14	24-Nov-14 A	24-Nov-14	100%									'		nd TDEC \$ubmi	uai in PDR						
OO1190	EPA /TDEC Review	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15	100%									EPA/TDEC	Review								
OO1200	Address Comments for Final EPA / TDEC Approval	12-Mar-15 A	12-Mar-15	12-Mar-15 A	12-Mar-15	100%									Addre	ss Comm	ents for Final Ef	PA/TDEC A	pproval					
OO1210	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	12-Mar-15 A	12-Mar-15	31-Mar-15 A	31-Mar-15	100%									Subm	it Copy of	Approved Deliv	erable in the	PDR (with	nin 7 days	following Re	ceipt of Ap	oproval b	y EPA
LTCP-Additi	onal Operational Plan	13-Mar-13 A	13-Mar-13	07-Feb-18 A	07-Feb-18	100%						LTCP-Add	tional Oper	ational Pla	n					<b>-</b>				
	e Duration (48 Months)		24-Apr-13		24-Oct-17	100%							Decree Du						-					
OO1360	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Oct-17 A	24-Oct-17	100%						Consen	Decree Du	ration	1 :	<u> </u>								
OO1370	Consent Decree Duration Completion Milestone			24-Oct-17 A	24-Oct-17	100%													Co	nsent Dec	ree Duration	Completio	on Milest	one
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OO1250	Program Manager (PM) Procurement (FY 2013 - 2014)	15-Jul-13 A	15-Jul-13	15-Jul-13 A	15-Jul-13	100%						Pro	gram Mana	ger (PM) F	rocurement	(FY 2013	- 2014)							
OO1380	Administration Phase	15-Jul-13 A	15-Jul-13	12-Mar-15 A	12-Mar-15	100%						: :==	inistration		_									
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Baseline Milestone



Activity ID		Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	2	2010	2011	2012		2013	20	14	2015		2016	2017	7	201	8	201	9	2020
Pla	anning Phase		13-Mar-13 A	13-Mar-13	07-Sep-17 A	07-Sep-17	100%	Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q		lanning Ph	nase						Q3 Q4 C	11 Q2	Q3 Q4	Q1   Q2	Q3 Q4	Q1 Q2 Q3
	O1260	Planning Phase	13-Mar-13 A	13-Mar-13	25-Aug-17 A		100%					I	lanning Ph	nase											
OC	O1390	Program Manager / Owner Review and Coordination	26-Aug-17 A	26-Aug-17	07-Sep-17 A	07-Sep-17	100%													Program	ı Manage	er / Owner	Review a	ınd Çoor	lination
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	Iblic Documen 01270	t Repository Submit Draft Deliverable to Reference Librarian	08-Sep-17 A 08-Sep-17 A		24-Oct-17 A	24-Oct-17 08-Sep-17	100% 100%													* ; *	:	it Reposito liverable to	: :	nce Libra	rian
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oc	O1280	Post Copy of Draft Deliverable on City's Website	08-Sep-17 A	08-Sep-17	08-Sep-17 A	08-Sep-17	100%													Post Co	py of Dra	aft Deliver	able on C	ity's Web	site
00	O1290	Public Review Period	09-Sep-17 A	09-Sep-17	08-Oct-17 A	08-Oct-17	100%													Public R	Review P	eriod			
OC	O1300	Public Comment Review Period	09-Oct-17 A	09-Oct-17	24-Oct-17 A	24-Oct-17	100%													Public	Comme	nt Review	Period		
OC	O1310	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			24-Oct-17 A	24-Oct-17	100%																		
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	PA and TDEC A 01320	pprovals  Place Copy of EPA and TDEC Submittal in PDR	25-Oct-17 A 25-Oct-17 A		07-Feb-18 A 31-Oct-17 A		100%															C Approva f EPA and		ıbmittal ir	PDR
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OC.	O1330	EPA/TDEC Review	25-Oct-17 A	25-Oct-17	31-Jan-18 A	31-Jan-18	100%																		
OC	O1340	Address Comments for Final EPA/TDEC Approval	31-Jan-18 A	31-Jan-18	31-Jan-18 A	31-Jan-18	100%													1	Address	Comment	s for Final	I EPA/T	DEC Approva
OC	O1350	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	01-Feb-18 A	01-Feb-18	07-Feb-18 A	07-Feb-18	100%														Submit C	opy of Ac	proved D	eliverabl	e in the PDR
Por	2.25 Maga	casin Bend WWTP Process Controls Program	18-Oct-12 A	18-Oct-12	13-May-15 A	13-May-15	100%					Para 25	- Moccasin	Bend WWTP	Process	Controls Progra	ım								
		ocess Controls Program	18-Oct-12 A		<u> </u>	13-May-15	100%					MBWWT	P Process	Controls Prog	ram										
		Duration (19 Months)	24-Apr-13 A		24-Nov-14 A		100%						Consent I	Decree Durati	on (19 <u>M</u> o	onths)									
	P1110	Consent Decree Duration	24-Apr-13 A			24-Nov-14	100%						Consent	Decree Durati	on										
OP	P1120	Consent Decree Duration Completion Milestone			24-Nov-14 A	24-Nov-14	100%																		
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	oject Procurer P1000	nent  CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A 18-Oct-12 A	18-Oct-12 18-Oct-12	08-Dec-12 A 18-Oct-12 A		100%					CD Preg	rocuremer ualification	Procurement	(FY 2012	- 2013) Priority	/ I - Develo	opment and I	ssuance of F	RFP					
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OP	P1130	Consultant develops and Submit Scope and Cost proposal	18-Oct-12 A	18-Oct-12	27-Oct-12 A	27-Oct-12	100%					Consulta	ini develop	s and Submit	Scope ar	d Cost proposa	"								
OP	P1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	28-Oct-12 A	28-Oct-12	06-Nov-12 A	06-Nov-12	100%					PMO Re	views/ Neg	otiates and A	pprove P	oposal / Agreer	ment								
OP	P1150	PMO Approved Agreement to Council for Approval	07-Nov-12 A	07-Nov-12	24-Nov-12 A	24-Nov-12	100%					PMO Ap	proved Ag	reement to Co	uncil for	Approval									
OP	P1160	Consultant Signed Agreement to City for Execution	25-Nov-12 A	25-Nov-12	08-Dec-12 A	08-Dec-12	100%					Consu	Itant Signe	d Agreement t	o City for	Execution									
	to Di		29-Apr-13 A	20 Apr 12	12-Oct-14 A	12-Oct-14	100%					•	Planning	Phase											
	anning Phase P1010	Planning Phase	29-Apr-13 A		03-Oct-14 A		100%							Phase											
0.0	P1190	Program Manager / Owner Review and Coordination	04-Oct-14 A	04 Oct 14	12-Oct-14 A	12-Oct-14	100%								Proc	ram Manager /	Owner Re	eview and Co	ordination						
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	iblic Documen		13-Oct-14 A 13-Oct-14 A			18-Nov-14	100%									lic Document R mit Draft Delive		eference Lib	rarian						
OP	P1020	Submit Draft Deliverable to Reference Librarian	13-OCI-14 A	13-001-14	13-OCI-14 A	13-Oct-14	100%								- "										
OP	P1030	Post Copy of Draft Deliverable on City's Website	13-Oct-14 A	13-Oct-14	16-Oct-14 A	16-Oct-14	100%								Pos	Copy of Draft I	Deliverable	le on City's W	ebsitė						
OP	P1040	Public Review Period	13-Oct-14 A	13-Oct-14	17-Nov-14 A	17-Nov-14	100%								Pub	ic Review Perio	od								
OP	P1050	Public Comment Review Period	18-Nov-14 A	18-Nov-14	18-Nov-14 A	18-Nov-14	100%								Pi	ıblic Comment	Review Pe	eriod							
OF	P1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			18-Nov-14 A	18-Nov-14	100%																		
				<u> </u>												ubmit Delivera		, TDEC and F	rovide notice	e to TCWI	1				
	PA and TDEC A P1070	pprovals   Place Copy of EPA and TDEC Submittal in PDR	18-Nov-14 A 18-Nov-14 A			13-May-15 24-Nov-14	100% 100%									A and TDEC A		EC \$ubmittal	in PDR						
		···														A/TDEC Revie									
OP	P1080	EPA/TDEC Review	19-Nov-14 A	19-Nov-14	12-Mar-15 A	12-Mar-15	100%								=	_									
OP	P1090	Address Comments for Final EPA / TDEC Approval	13-Mar-15 A	13-Mar-15	12-May-15 A	12-May-15	100%									Address Co	mments fo	or Final EPA	/TDEC Appro	oval					
OP	P1100	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	13-May-15 A	13-May-15	13-May-15 A	13-May-15	100%									Submit	Copy of Ap	pproved Deliv	verable in the	e PDR (wii	thin 7 da	ys followi	ng Receir	ot of Appr	oval by EPA)
Par	a 26 - Groo	n Infrastructure Plan	18-Oct-12 A	18-Oct-12	13-Nov-15 A	13-Nov-15	100%					Para 26	Green Inf	rastructure Pla	ın										
		ructure Program Plan for CSS Basins	18-Oct-12 A			13-Nov-15	100%					Green In	frastructure	e Program Pla	n for CSS	Basins									
		Duration (24 Months)	24-Apr-13 A		24-Apr-15 A		100%						Consent	Decree Durati	on (24 M	onths)	7								
		- 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	,		1	1					1 1 1		•							<u> </u>				لـــنـــا	











Activity ID	L Article Norma	Chert	Actual Ctart	Fixin	Actual Eleish	Duration 0/	01 2040 2041 2042 2042 2044 2045 2045 2045 2045 2045	2020
Activity ID	Adivity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete		2020 Q2
OQ1110	Consent Decree Duration	24-Apr-13 A	24-Apr-13	24-Apr-15 A	24-Apr-15	100%		
OQ1120	Consent Decree Duration Completion Milestone			23-Apr-15 A	23-Apr-15	100%	9%	
							Consent Degree Duration Completion Milestone	
Project Procu	rement  CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A		22-Jan-13 A		100%		
OQ1000	CD Prequalification Procurement (F1 2012 - 2013) Priority 1 - Development and issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%	7°	
OQ1130	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%	Consultant develops and Submit Scope and Cost proposal	
OQ1140	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%	PMO Reviews/ Negotiates and Approve Proposal:/ Agreement	
OQ1150	PMO Approved Agreement to Council for Approved	22 Doc 12 A	22-Dec-12	09- lan-13 A	08-Jan-13	100%	PMO Approved Agreement to Council for Approval	
001130	PMO Approved Agreement to Council for Approval	22-D60-12A	22-Dec-12	08-Jan-13 A	00-3411-13	100%		
OQ1160	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%	Consultant Signed Agreement to City for Execution	
Planning Phas	Se	05-Apr-13 A	05-Apr-13	22-Apr-15 A	22-Apr-15	100%	Planning Phase	
OQ1010	Planning Phase	05-Apr-13 A	05-Apr-13	05-Mar-15 A	05-Mar-15	100%	Planning Phase	
OQ1170	Program Manager / Owner Review and Coordination	06-Mar-15 A	06-Mar-15	22-Apr-15 A	22-Apr-15	100%	Program Manager / Owner Review and Coordination	
Public Docum OQ1020	ent Repository Submit Draft Deliverable to Reference Librarian	18-Mar-15 A 18-Mar-15 A	18-Mar-15 18-Mar-15	23-Apr-15 A 18-Mar-15 A	23-Apr-15 18-Mar-15	100%		
001020	Guninic Diate Deliverable to Note lende Librarian	10-Wai-137	TO-IVIAI-13	TO-IMAT-13 A	TO-IWAI-TO	10070		
OQ1030	Post Copy of Draft Deliverable on City's Website	18-Mar-15 A	18-Mar-15	18-Mar-15 A	18-Mar-15	100%	Post Copy of Draft Deliverable on City's Website	
OQ1040	Public Review Period	18-Mar-15 A	18-Mar-15	20-Apr-15 A	20-Apr-15	100%	Public Review Period	
OQ1050	Public Comment Review Period	21-Apr-15 A	21-Apr-15	23-Apr-15 A	23-Apr-15	100%	Public Comment Review Period	
001030	Fullic Collinetic Neview Fellou	21-Api-13 A	21-Api-13	25-Api-15 A	23-Api-13	100%		
OQ1060	Submit Deliverable to EPA, TDEC and Provide notice to TCWN			23-Apr-15 A	23-Apr-15	100%	Submit Deliverable to EPA, TDEC and Provide notice to TCWN	
Project Comp	letion Report	23-Apr-15 A	23-Apr-15	23-Apr-15 A	23-Apr-15	100%	Project Completion Report	
OQ1180	Project Completion Report	23-Apr-15 A	23-Apr-15	23-Apr-15 A	23-Apr-15	100%	9% Project Completion Report	
EPA and TDEC	C Approvals	23-Apr-15 A	23-Apr-15	13-Nov-15 A	13-Nov-15	100%	PA and TDEC Approvals	
OQ1070	Place Copy of EPA and TDEC Submittal in PDR	23-Apr-15 A		28-Apr-15 A		100%		
OQ1080	EPA Poviow and Approval	23-Apr-15 A	22 Apr 15	13-Nov-15 A	13-Nov-15	100%	9% EPA Review and Approval	
OQ1080	EPA Review and Approval	23-Api-13 A	25-Api-15	13-1107-137	13-1404-13	10076		
OQ1090	TDEC Review and Approval	23-Apr-15 A	23-Apr-15	13-Nov-15 A	13-Nov-15	100%	19% TDEC Review and Approval:	
OQ1100	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 A	13-Nov-15	100%	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of	Appr
Continu VIII	Civil Daniella	01- lan-13 A	01-Jan-13	26-Apr-19		87.85%	Section VII - Civil Penalty	
Section VII - 0		24-Apr-13 A		17-May-13 A	17-May-13	100%		
Para 29 - Ca	sh Fine	<u> </u>			1			
Cash Fine		24-Apr-13 A	·	17-May-13 A	·	100%	<mark>- </mark> ;   ; ; ;   ; ; ;   ; ; ;   ; <del>         </del>	
	50% Cash Payment  Pay 50% of Civil Papality of \$228,200 to Papet of Justice by EET	24-Apr-13 A		17-May-13 A		100%		
CF1000	Pay 50% of Civil Penalty of \$238,200 to Dept of Justice by EFT	24-Apr-13 A	24-Api-13	17-May-13 A	17-iviay-13	100%		
Para 30 - Sta	te Project (50% of Civil Penalty)	01-Jan-13 A	01-Jan-13	26-Apr-19		86.28%		
Highland Pa	ark GI Demonstration Project	01-Jan-13 A	01-Jan-13	26-Apr-19		86.28%	<mark>-</mark>	
Consent Decre		24-Apr-13 A		26-Apr-19		86.28%		
OR1030	Consent Decree Duration	24-Apr-13 A	24-Apr-13	26-Apr-19		83.79%	Consent Decree Duration, Consent Decree Duration	
OR1040	Consent Decree Duration Completion Milestone			26-Apr-19*		0%		Durati
OR1100	Task 1 CD Duration	24-Apr-13 A	24-Apr-13	24-Oct-13 A	24-Oct-13	100%	7% Task 1 CD Duration	
OR1170	Task 2 CD Duration	26-Apr-14 A	26-Apr-14	23-Oct-14 A	23-Oct-14	100%	7% Task 2 GD Duration	
OR1230	Task 3 CD Duration	24-Oct-14 A	24-Oct-14	23-Oct-18		85.87%	Task 3 CD Duration, Task 3 CD Duration	
			27-00014					
OR1240	Task 4 CD Duration	24-Oct-18* 24-Apr-13 A	24-Apr 12	26-Apr-19 24-Apr-13 A	24-Apr 12	0%	<u></u>	
Project Procus	City Internal Performance	24-Apr-13 A 24-Apr-13 A		24-Apr-13 A 24-Apr-13 A		100%		
		<u> </u>	·					
Task 1 - Plann	•		01-Jan-13	25-Apr-14 A		100%		
OR1000	Project Plan	or-Jan-13 A	01-Jan-13	05-Sep-13 A	00-Sep-13	100%		
OR1005	Public Document Repository	06-Sep-13 A	06-Sep-13	23-Oct-13 A	23-Oct-13	100%	Public Document Repository	
III								1 1









Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	2010	2011 2012	201	3 2014	2015	2016	2017	2018	2	2019 20
OR1050	EPA Submittal	24-Oct-13 A	24-Oct-13	25-Apr-14 A	25-Apr-14	100%	Q4 Q1 Q2 Q3 (	Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3	Q4 Q1 Q2	Q3 Q4 Q1 Q2 Q3 EPA Submittal	24 Q1 Q2 Q3 (	4 Q1 Q2 Q3 C	Q4 Q1 Q2 Q3 Q4 Q	1 Q2 Q3	Q4 Q1 Q2	2 Q3 Q4 Q1 Q
Took 2 Engine	oaring Phaga	25-Apr-14 A	25-Apr-14	23-Oct-14 A	23-Oct-14	100%				_Task 2 - E	ngineering Phase					
Task 2 - Engine OR1010	EPA Project Plan Approval	20701147	20 / (р) 14	25-Apr-14 A	25-Apr-14	100%										
OR1020	Detailed Design	25-Apr-14 A	25 Apr 14	19 Cap 14 A	19 Con 14	100%				Detailed	ect Plan Approval					
OR 1020	Detailed Design	25-Api-14 A	25-Apr-14	18-Sep-14 A	18-Sep-14	100%										
OR1110	Public Document Repository	19-Sep-14 A	19-Sep-14	22-Oct-14 A	22-Oct-14	100%				₽	ıblic Document Rep	ository				
OR1120	EPA Submittal	23-Oct-14 A	23-Oct-14	23-Oct-14 A	23-Oct-14	100%					EPA Submittal					
Task 3 - Const	ruction Bidding Phase	23-Oct-14 A	23-Oct-14	24-May-17 A	24-May-17	100%					ask 3 - Constructio	n Bidding Phase				
OR1060	EPA Detailed Design Approval			23-Oct-14 A	23-Oct-14	100%					EPA Detailed	Design Approval				
OR1180	3A - Bidding	24-Oct-14 A	24-Oct-14	24-May-17 A	24-May-17	100%					3A - Bidding					
	·												Task 3; Constr	uc <u>ti</u> on Pha	c a	
Task 3: Constr OR1190	3B - Construction	25-May-17 A 25-May-17 A		18-Apr-18 A 18-Apr-18 A	18-Apr-18	100%							3B - Construct		36	
														Took 4	CI Design We	/orkaban
Task 4 - GI Des OR1070	sign Workshop Prepare and Conduct Workshop	19-Apr-18 A 19-Apr-18 A		17-Oct-18 17-Oct-18		0%									- GI Design Wo e and Conduct	t Workshop, Prepai
									0		t-I Di				7	
	Supplemental Environmental Project	18-Oct-12 A	18-Oct-12	04-Sep-18		96.88%				upplemental Environme lemental Environmental				-	•	
_	pplemental Environmental Project		18-Oct-12	04-Sep-18		96.88%					Project			+	<b>'</b>	
Agawela Dr	ive Stream Restoration	18-Oct-12 A		04-Sep-18		96.88%				Stream Restoration					<b>?</b>	
	ee Duration (60 Months)	24-Apr-13 A		24-Apr-18 A		100%				ent Decree Duration (60 ent Decree Duration (60			+ + + +	<del>-</del>		
OS1030	Consent Decree Duration (60 Months)	24-Apr-13 A	24-Apr-13	24-Apr-18 A	24-Apr-18	100%			Cons	eni Decree Duration (8)	i i i			-		
OS1040	Consent Decree Duration Completion Milestone			24-Apr-18 A	24-Apr-18	100%								Conse	nt Decree Dur	ration Completion N
Project Procur	rement	18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	100%			Project Procure	ment				•		
OS1080	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%			CP Prequalific	ation Procurement (FY	012 - 2013) Priority	I - Development and	Issuance of RFP			
OS1090	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%			Consultant	evelops and Submit Sc	pe and Cost propos	al				
OS1100	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%			PMO Revie	vs/ Negotiates and Appr	ove Proposal / Agree	ement				
OS1110	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22 Doc 12	08-Jan-13 A	08-Jan-13	100%			PMO Appro	ved Agreement to Coun	cil for Approval					
OS1120	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%			Consultan	Signed Agreement to C	ity for Execution					
Planning Phas		24-Jan-13 A		16-Oct-13 A	16-Oct-13	100%			Planning							
OS1000	Planning Phase	24-Jan-13 A	24-Jan-13	16-Oct-13 A	16-Oct-13	100%			Platining	nase						
Engineering P		18-Oct-13 A	18-Oct-13	24-Feb-16 A		100%				Engineering Phase		-				
OS1010	Engineering	18-Oct-13 A	18-Oct-13	24-Feb-16 A	24-Feb-16	100%				Engineering		<del></del>				
	Bidding Phase	25-Feb-16 A		26-Jun-16 A		100%						Construction I	Bidding Phase			
OS1060	Construction Bidding Phase	25-Feb-16 A	25-Feb-16	26-Jun-16 A	26-Jun-16	100%						Construction	Bidding Phase			
Construction F		27-Jun-16 A		15-Mar-17 A		100%							uction Phase			
OS1070	Construction Phase	27-Jun-16 A	27-Jun-16	15-Mar-17 A	15-Mar-17	100%						Constru	uction Phase			
Project Compl		22-Feb-17 A		21-May-18 A		100%							Project Completion			
OS1170	SEP Completion Report	22-Feb-17 A	22-Feb-17	21-May-18 A	21-May-18	100%							SEP Completion R	-		
EPA and TDEC	Approvals	30-Jun-18		04-Sep-18		0%								EPA	and TDEC Ar	pprovals
OS1130 OS1140	Place Copy of EPA and TDEC Submittal in PDR  EPA Review and Approval	30-Jun-18 30-Jun-18		06-Jul-18 28-Aug-18		0% 0%									ce Copy of EP. A Review and A	PA and TDEC Subm Approval
OS1140 OS1150	TDEC Review and Approval	30-Jun-18		28-Aug-18 28-Aug-18		0%								ID	EC Review and	nd Approval
OS1160	Submit Copy of Approved Deliverable in the PDR (within 7 days following Receipt of Approval by EPA)	29-Aug-18		04-Sep-18		0%								i	Submit Copy o	of Approved Deliver
Section IX - R	Reporting Requirement	24-Apr-13 A	24-Apr-13	28-Feb-21		66.03%				on IX - Reporting Requi	ement					
	arterly Reports	24-Apr-13 A	24-Apr-13	31-Jul-20		71.3%			Para	38 - Quarterly Reports						
Quarterly R		24-Apr-13 A	24-Apr-13	31-Jul-20		71.3%			Quar	terly Reports						
Quarterly Repo		24-Apr-13 A	24-Apr-13	10-Feb-14 A	10-Feb-14	100%				terly Report - 2013						
CR1000	Quarterly Report Period 1	24-Apr-13 A	24-Apr-13	30-Sep-13 A	30-Sep-13	100%				erly Report Period 1						
							<u> </u>	<u> </u>	1 1 1	<u>:                                    </u>				İ	<u> </u>	<u>:                                    </u>





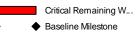
Baseline Milestone



Acti	ity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %		010	2011		2012		2013	2014	2015		2016	2017		2018		2019		2020
	001010		22.2	22.2	22.0	22.0		Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3	Q4	Q1 Q2 Q3	Q4 Q1	Q2 Q3 Q4 Q1	Q2 Q3 Q Quarterly Re	4 Q1 Q2 C	Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q	3 Q4 Q	Q1 Q2 C	Q3 Q4 C	1 Q2 Q	3 Q4 C	11 Q2 Q3
Ш	CR1010	Develop Quarterly Report	30-Sep-13 A	30-Sep-13	29-Oct-13 A	29-Oct-13	100%							Bevelop	Quarterry Ne	port									
Ш	CR1020	Submit Deliverable to EPA and TDEC	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13	100%							Submit	Deliverable	to EPA and TD	EC								
Ш	CR1030	Place Copy of EPA and TDEC Submittal in PDR	30-Oct-13 A	30-Oct-13	30-Oct-13 A	30-Oct-13	100%							Place (	opy of EPA	and TDEC Sub	mittal in	PDR							
Ш	CR1040	Quarterly Report Period 2	30-Sep-13 A	30-Sep-13	31-Dec-13 A	31-Dec-13	100%							Quarterly	Report Peri	od 2									
Ш	CR1050	Develop Quarterly Report	01-Jan-14 A	01-Jan-14	29-Jan-14 A	29-Jan-14	100%							Dev	elop Quarter	ly Report									
Ш	CR1060	Submit Deliverable to EPA and TDEC	30-Jan-14 A	30-Jan-14	30-Jan-14 A	30-Jan-14	100%							Sı	bmit Deliver	able to EPA an	d TDEC								
Ш	CR1070	Place Copy of EPA and TDEC Submittal in PDR	10-Feb-14 A	10-Feb-14	10-Feb-14 A	10-Feb-14	100%							P	ace Copy of	EPA and TDE	C Submit	tal in PDR							
Ш	Quarterly Report	t - 2014	01-Jan-14 A	01-Jan-14	26-Jan-15 A	26-Jan-15	100%								rterly Repor	<del></del>									
Ш	CR1080	Quarterly Report Period 3	01-Jan-14 A	01-Jan-14	31-Mar-14 A	31-Mar-14	100%							Qua	rterly Repor	Period 3									
Ш	CR1090	Develop Quarterly Report	01-Apr-14 A	01-Apr-14	28-Apr-14 A	28-Apr-14	100%								$\Gamma$ $\vdash$ $\vdash$	arterly Report	1								
Ш	CR1100	Submit Deliverable to EPA and TDEC	29-Apr-14 A	29-Apr-14	29-Apr-14 A	29-Apr-14	100%								1' 1 1	liverable to EP									
Ш	CR1110	Place Copy of EPA and TDEC Submittal in PDR	29-Apr-14 A	29-Apr-14	29-Apr-14 A	29-Apr-14	100%											bmittal in PDR							
Ш	CR1120	Quarterly Report Period 4	01-Apr-14 A	01-Apr-14	30-Jun-14 A	30-Jun-14	100%									eport Period 4	1								
Ш	CR1130	Develop Quarterly Report	30-Jun-14 A	30-Jun-14	28-Jul-14 A	28-Jul-14	100%								1 [ 1	p Quarterly Re									
	CR1140	Submit Deliverable to EPA and TDEC	29-Jul-14 A	29-Jul-14	29-Jul-14 A	29-Jul-14	100%									it Deliverable									
Ш	CR1150	Place Copy of EPA and TDEC Submittal in PDR	29-Jul-14 A	29-Jul-14	29-Jul-14 A	29-Jul-14	100%											C Submittal in PD	R						
	CR1160	Quarterly Report Period 5	01-Jul-14 A	01-Jul-14	30-Sep-14 A	30-Sep-14	100%									ly Report Peri									
	CR1170	Develop Quarterly Report	30-Sep-14 A	30-Sep-14	29-Oct-14 A	29-Oct-14	100%								1   [	evelop Quarter									
Ш	CR1180	Submit Deliverable to EPA and TDEC	29-Oct-14 A	29-Oct-14	29-Oct-14 A	29-Oct-14	100%								1   1'			PA and TDEC							
Ш	CR1190	Place Copy of EPA and TDEC Submittal in PDR	29-Oct-14 A		29-Oct-14 A		100%											TDEC Submittal i	n PDR						
Ш	CR1200	Quarterly Report Period 6		01-Oct-14	31-Dec-14 A		100%								Ω	larterly Report									
Ш	CR1210	Develop Quarterly Report	31-Dec-14 A		26-Jan-15 A		100%									Develop Qu									
Ш	CR1220	Submit Deliverable to EPA and TDEC		26-Jan-15	26-Jan-15 A		100%											to EPA and TDEC							
Ш	CR1230	Place Copy of EPA and TDEC Submittal in PDR	26-Jan-15 A	26-Jan-15	26-Jan-15 A	26-Jan-15	100%									Flace Cop	y OI EFA	and TDEC Subm	III.ai III FDR						
Ш	Quarterly Report	t <del>-</del> 2015	01-Jan-15 A	01-Jan-15	31-Jan-16 A	31-Jan-16	100%									Quarterly R		<b>▼</b> ; ; ;							
Ш	CR1240	Quarterly Report Period 7	01-Jan-15 A	01-Jan-15	31-Mar-15 A	31-Mar-15	100%									Quarterly R	eport Per	riod 7							
Ш	CR1250	Develop Quarterly Report 7	01-Apr-15 A	01-Apr-15	27-Apr-15 A	27-Apr-15	100%									Develo	p Quarte	erly Report 7							
	CR1260	Submit Deliverable to EPA and TDEC	29-Apr-15 A	29-Apr-15	29-Apr-15 A	29-Apr-15	100%									Subm	nit Delive	rable to EPA and	TDEC						
	CR1270	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-15 A	30-Apr-15	30-Apr-15 A	30-Apr-15	100%									Place	Copy of	EPA and TDEC S	Submittal in P	DR					
Ш	CR1280	Quarterly Report Period 8	01-Apr-15 A	01-Apr-15	30-Jun-15 A	30-Jun-15	100%									Quarte	rly Repo	rt Period 8							
	CR1290	Develop Quarterly Report 8	01-Jul-15 A	01-Jul-15	29-Jul-15 A	29-Jul-15	100%									<u> </u>	evelop Q	uarterly Report 8							
Ш	CR1300	Submit Deliverable to EPA and TDEC	30-Jul-15 A	30-Jul-15	30-Jul-15 A	30-Jul-15	100%									ľ	Submit D	eliverable to EPA	and TDEC						
	CR1310	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-15 A	31-Jul-15	31-Jul-15 A	31-Jul-15	100%									'		py of EPA and TD	EC Submitta	I in PDR					
	CR1320	Quarterly Report Period 9	01-Jul-15 A	01-Jul-15	30-Sep-15 A	30-Sep-15	100%									Q		Report Period 9							
	CR4210	Develop Quarterly Report 9	01-Oct-15 A	01-Oct-15	29-Oct-15 A	29-Oct-15	100%											lop Quarterly Rep							
	CR4220	Submit Deliverable to EPA and TDEC	30-Oct-15 A	30-Oct-15	30-Oct-15 A	30-Oct-15	100%										-   '	mit Deliverable to							
	CR4230	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-15 A	31-Oct-15	31-Oct-15 A	31-Oct-15	100%										-   '	e Copy of EPA ar		mittal in P	DR				
	CR4240	Quarterly Report Period 10	01-Oct-15 A	01-Oct-15	31-Dec-15 A	31-Dec-15	100%											erly Report Period							
	CR4250	Develop Quarterly Report 10	01-Jan-16 A	01-Jan-16	28-Jan-16 A	28-Jan-16	100%										<u> </u>	evelop Quarterly	Report 10						









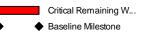


*ID	A section Management	Ott	A -t Ott	First	A -to I Finish	Duration 0/
ity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
CR4260	Submit Deliverable to EPA and TDEC	29-Jan-16 A	29-Jan-16	29-Jan-16 A	29-Jan-16	100%
CR4270	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-16 A	31-Jan-16	31-Jan-16 A	31-Jan-16	100%
Quarterly Report	t - 2016	01-Jan-16 A	01-Jan-16	31-Jan-17 A	31-Jan-17	100%
CR8320	Quarterly Report Period 11	01-Jan-16 A	01-Jan-16	31-Mar-16 A	31-Mar-16	100%
CR8330	Develop Quarterly Report 11	01-Apr-16 A	01-Apr-16	27-Apr-16 A	27-Apr-16	100%
CR8340	Submit Deliverable to EPA and TDEC	28-Apr-16 A	28-Apr-16	28-Apr-16 A	28-Apr-16	100%
CR8350	Place Copy of EPA and TDEC Submittal in PDR	29-Apr-16 A	29-Apr-16	29-Apr-16 A	29-Apr-16	100%
CR8360	Quarterly Report Period 12	01-Apr-16 A	01-Apr-16	30-Jun-16 A	30-Jun-16	100%
CR8370	Develop Quarterly Report 12	01-Jul-16 A	01-Jul-16	29-Jul-16 A	29-Jul-16	100%
CR8380	Submit Deliverable to EPA and TDEC	30-Jul-16 A	30-Jul-16	30-Jul-16 A	30-Jul-16	100%
CR8390	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-16 A	31-Jul-16	31-Jul-16 A	31-Jul-16	100%
CR8400	Quarterly Report Period 13	01-Jul-16 A	01-Jul-16	30-Sep-16 A	30-Sep-16	100%
CR8410	Develop Quarterly Report 13	01-Oct-16 A	01-Oct-16	31-Oct-16 A	31-Oct-16	100%
CR8420	Submit Deliverable to EPA and TDEC	31-Oct-16 A	31-Oct-16	31-Oct-16 A	31-Oct-16	100%
CR8430	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-16 A	31-Oct-16	31-Oct-16 A	31-Oct-16	100%
CR8440	Quarterly Report Period 14	01-Oct-16 A	01-Oct-16	31-Dec-16 A	31-Dec-16	100%
CR8450	Develop Quarterly Report 14	01-Jan-17 A	01-Jan-17	31-Jan-17 A	31-Jan-17	100%
CR8460	Submit Deliverable to EPA and TDEC	31-Jan-17 A	31-Jan-17	31-Jan-17 A	31-Jan-17	100%
CR8470	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-17 A	31-Jan-17	31-Jan-17 A	31-Jan-17	100%
Quarterly Report	t - 2017	01-Jan-17 A	01-Jan-17	29-Jan-18 A	29-Jan-18	100%
CR8480	Quarterly Report Period 15	01-Jan-17 A	01-Jan-17	31-Mar-17 A	31-Mar-17	100%
CR8490	Develop Quarterly Report 15	01-Apr-17 A	01-Apr-17	27-Apr-17 A	27-Apr-17	100%
CR8500	Submit Deliverable to EPA and TDEC	27-Apr-17 A	27-Apr-17	27-Apr-17 A	27-Apr-17	100%
CR8510	Place Copy of EPA and TDEC Submittal in PDR	27-Apr-17 A	27-Apr-17	27-Apr-17 A	27-Apr-17	100%
CR8520	Quarterly Report Period 16	01-Apr-17 A	01-Apr-17	30-Jun-17 A	30-Jun-17	100%
CR8530	Develop Quarterly Report 16	01-Jul-17 A	01-Jul-17	31-Jul-17 A	31-Jul-17	100%
CR8540	Submit Deliverable to EPA and TDEC	31-Jul-17 A	31-Jul-17	31-Jul-17 A	31-Jul-17	100%
CR8550	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-17 A	31-Jul-17	31-Jul-17 A	31-Jul-17	100%
CR8560	Quarterly Report Period 17	01-Jul-17 A	01-Jul-17	30-Sep-17 A	30-Sep-17	100%
CR8570	Develop Quarterly Report 17	01-Oct-17 A	01-Oct-17	24-Oct-17 A	24-Oct-17	100%
CR8580	Submit Deliverable to EPA and TDEC	25-Oct-17 A	25-Oct-17	25-Oct-17 A	25-Oct-17	100%
CR8590	Place Copy of EPA and TDEC Submittal in PDR	25-Oct-17 A	25-Oct-17	25-Oct-17 A	25-Oct-17	100%
CR8600	Quarterly Report Period 18	01-Oct-17 A	01-Oct-17	31-Dec-17 A	31-Dec-17	100%
CR8610	Develop Quarterly Report 18	01-Jan-18 A	01-Jan-18	28-Jan-18 A	28-Jan-18	100%
CR8620	Submit Deliverable to EPA and TDEC	29-Jan-18 A	29-Jan-18	29-Jan-18 A	29-Jan-18	100%
CR8630	Place Copy of EPA and TDEC Submittal in PDR	29-Jan-18 A	29-Jan-18	29-Jan-18 A	29-Jan-18	100%
UN0030	Trace copy or EFA and TDEC cubilities in FDN				23-Jail-10	
Quarterly Report		01-Jan-18 A	01-Jan-18	30-Jan-19		41.21%
CR8640	Quarterly Report Period 19	01-Jan-18 A	01-Jan-18	31-Mar-18 A	31-Mar-18	100%
CR8650	Develop Quarterly Report 19	01-Apr-18 A	01-Apr-18	29-Apr-18 A	29-Apr-18	100%

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Activity ID	Activity Name	Start Actual Start	Finish Actual Finish	Duration %	2010 2011 2012	2013	2014 2015 2016 2017	2018 2019 2020
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CR8660	Submit Deliverable to EPA and TDEC	30-Apr-18 A 30-Apr-18	30-Apr-18 A 30-Apr-18	100%				upmit Deliverable to EPA and TDEC
CR8670	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-18 A 30-Apr-18	30-Apr-18 A 30-Apr-18	100%				lace Copy of EPA and TDEC Submittal in Pl
CR8680	Quarterly Report Period 20	01-Apr-18 A 01-Apr-18	30-Jun-18 A 30-Jun-18	100%				a terly Report Period 20
CR8690	Develop Quarterly Report 20	01-Jul-18 A 01-Jul-18	29-Jul-18	0%				Develop Quarterly Report 20
CR8700	Submit Deliverable to EPA and TDEC	30-Jul-18	30-Jul-18	0%				Submit Deliverable to EPA and TDEC
CR8710	Place Copy of EPA and TDEC Submittal in PDR	30-Jul-18	30-Jul-18	0%				Place Copy of EPA and TDEC Submittal Quarterly Report Period 21
CR8720	Quarterly Report Period 21	01-Jul-18 A 01-Jul-18	30-Sep-18	0%				
CR8730 CR8740	Develop Quarterly Report 21 Submit Deliverable to EPA and TDEC	01-Oct-18 31-Oct-18	30-Oct-18 31-Oct-18	0%				Develop Quarterly Report 21 Submit Deliverable to EPA and TDI
CR8750	Place Copy of EPA and TDEC Submittal in PDR	31-Oct-18	31-Oct-18	0%				Place Copy of EPA and TDEC Sub
CR8760	Quarterly Report Period 22	01-Oct-18	31-Dec-18	0%				Quarterly Report Period 22
CR8770	Develop Quarterly Report 22	01-Jan-19	29-Jan-19	0%				Develop Quarterly Report 22
CR8780	Submit Deliverable to EPA and TDEC	30-Jan-19	30-Jan-19	0%				Submit Deliverable to EPA and TDEC
CR8790	Place Copy of EPA and TDEC Submittal in PDR	30-Jan-19 01-Jan-19	30-Jan-19 31-Jan-20	0%				Quarterly Report - 2019
Quarterly Repo	Quarterly Report Period 23	01-Jan-19	31-Mar-19	0%				Quarterly Report Period 23
CR8810	Develop Quarterly Report 23	01-Jan-19 01-Apr-19	29-Apr-19	0%				Develop Quarterly Report
CR8820	Submit Deliverable to EPA and TDEC	30-Apr-19	30-Apr-19	0%				Submit Deliverable to EF
CR8830	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-19	30-Apr-19	0%				Place Copy of EPA and T
CR8840	Quarterly Report Period 24	01-Apr-19	30-Jun-19	0%				Quarterly Report Period 24  Develop Quarterly Re
CR8850 CR8860	Develop Quarterly Report 24  Submit Deliverable to EPA and TDEC	01-Jul-19 31-Jul-19	30-Jul-19 31-Jul-19	0%				Submit Deliverable
CR8870	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-19	31-Jul-19	0%				Place Copy of EPA
CR8880	Quarterly Report Period 25	01-Jul-19	30-Sep-19	0%				Quarterly Report Perio
CR8890	Develop Quarterly Report 25	01-Oct-19	30-Oct-19	0%				Develop Quarter
CR8900	Submit Deliverable to EPA and TDEC	31-Oct-19	31-Oct-19	0%				Submit Delivera Place Copy of I
CR8910 CR8920	Place Copy of EPA and TDEC Submittal in PDR  Quarterly Report Period 26	31-Oct-19 01-Oct-19	31-Oct-19 31-Dec-19	0%				Quarterly Report
CR8930	Develop Quarterly Report 26	01-Jan-20	30-Jan-20	0%				Develop Qu
CR8940	Submit Deliverable to EPA and TDEC	31-Jan-20	31-Jan-20	0%				Submit De
CR8950	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-20	31-Jan-20	0%				Place Cop
Quarterly Rep		01-Jan-20	31-Jul-20	0%				Quarterly Re
CR8960	Quarterly Report Period 27	01-Jan-20	31-Mar-20	0%				Quarterly R
CR8970 CR8980	Develop Quarterly Report 27 Submit Deliverable to EPA and TDEC	01-Apr-20 30-Apr-20	29-Apr-20 30-Apr-20	0%				Develo Subn
CR8990	Place Copy of EPA and TDEC Submittal in PDR	30-Apr-20	30-Apr-20	0%				Place
CR9000	Quarterly Report Period 28	01-Apr-20	30-Jun-20	0%				Quarte
CR9010	Develop Quarterly Report 28	01-Jul-20	30-Jul-20	0%				
CR9020 CR9030	Submit Deliverable to EPA and TDEC  Place Copy of EPA and TDEC Submittal in PDR	31-Jul-20 31-Jul-20	31-Jul-20 31-Jul-20	0%				
	ni Annual Reports	24-Apr-13 A 24-Apr-13	30-Jul-20	70.91%		Para 39 - Sem	i Annual Reports	
Semi Annua		24-Apr-13 A 24-Apr-13	30-Jul-20	70.91%		Semi Annual R	Reports	
Semi-Annual R	·	24-Apr-13 A 24-Apr-13	10-Feb-14 A 10-Feb-14	100%		Semi-Annual F	Report - 2013	
CR4000	Semi Annual Report Period 1	24-Apr-13 A 24-Apr-13	31-Dec-13 A 31-Dec-13	100%		Semi Annual F	<del></del>	
CR4010	Develop Semi Annual Report	01-Jan-14 A 01-Jan-14	29-Jan-14 A 29-Jan-14	100%			Develop Semi Annwal Report	
CR4020	Submit Deliverable to EPA and TDEC	30-Jan-14 A 30-Jan-14	30-Jan-14 A 30-Jan-14	100%			Submit Deliverable to EPA and TDEC	
CR4030	Place Copy of EPA and TDEC Submittal in PDR	10-Feb-14 A 10-Feb-14	10-Feb-14 A 10-Feb-14	100%			Place Copy of EPA and TDEC Submittal in PDR	
Semi-Annual R	Report - 2014	01-Jan-14 A 01-Jan-14	28-Jan-15 A 28-Jan-15	100%			Semi-Annual Report - 2014	
CR4040	Semi Annual Report Period 2	01-Jan-14 A 01-Jan-14	30-Jun-14 A 30-Jun-14	100%		5	Semi Annual Report Period 2	
CR4050	Develop Semi Annual Report	01-Jul-14 A 01-Jul-14	28-Jul-14 A 28-Jul-14	100%			Develop Semi Annual Report	
CR4060	Submit Deliverable to EPA and TDEC	29-Jul-14 A 29-Jul-14	29-Jul-14 A 29-Jul-14	100%			Submit Deliverable to EPA and TDEC	
CR4070	Place Copy of EPA and TDEC Submittal in PDR	29-Jul-14 A 29-Jul-14	29-Jul-14 A 29-Jul-14	100%			Place Copy of EPA and TDEC Submittal in PDR	
CR4080	Semi Annual Report Period 3	01-Jul-14 A 01-Jul-14	31-Dec-14 A 31-Dec-14	100%			Semi Annual Report Period 3	
CR4090	Develop Semi Annual Report	31-Dec-14 A 31-Dec-14	27-Jan-15 A 27-Jan-15	100%			Develop Semi Annual Report	
CR4100	Submit Deliverable to EPA and TDEC	27-Jan-15 A 27-Jan-15	27-Jan-15 A 27-Jan-15	100%			Submit Deliverable to EPA and TDEC	
CR4110	Place Copy of EPA and TDEC Submittal in PDR	28-Jan-15 A 28-Jan-15	28-Jan-15 A 28-Jan-15	100%			Place Copy of EPA and TDEC Submittal in PDR	
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Baseline Milestone



Activity ID	Activity Name	Start Actual Start	Finish Actual Finish	Duration %	2010	2011	201	2	2013	2014	20		2016	2017	2018		2019	2020
				Complete	Q4 Q1 Q2 Q3 Q	4 Q1 Q2 Q3	Q4 Q1 Q2	Q3 Q4 Q1 Q	2 Q3 Q4	Q1 Q2 Q				Q2 Q3 Q4	Q1 Q2 Q	3 Q4 Q1 C	Q2 Q3 Q4 (	Q1 Q2 Q3
Semi-Annual R	•	01-Jan-15 A 01-Jan-15	30-Jan-16 A 30-Jan-16	100%							. —	ual Report - 201						
CR4120	Semi Annual Report 4 Data Collection	01-Jan-15 A 01-Jan-15	30-Jun-15 A 30-Jun-15	100%							Semi Ann	ual Report 4 Dat	Collection					
CR4130	Develop Semi Annual Report 4	01-Jul-15 A 01-Jul-15	30-Jul-15 A 30-Jul-15	100%								Develop Semi Ar	nual Report 4					
Givinos	Sololop Collin Allinda Nopoli I	0.00.107	00 001 1071	10070								-   '						
CR4140	Submit Deliverable to EPA and TDEC	31-Jul-15 A 31-Jul-15	31-Jul-15 A 31-Jul-15	100%								Submit Deliver	able to EPA and	TDEC				
00.4450	DI O (FD) ITDEO O I III II DDD	24 1 1 45 1 24 1 1 45	04 11 45 4 04 11 45	4000/								Place Copy of	EPA and TDEC	Submittal in PDR	,			
CR4150	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-15 A 31-Jul-15	31-Jul-15 A 31-Jul-15	100%								i lace Oppy of		Jubilitial III Div				
CR4160	Semi Annual Report 5 Data Collection	01-Jul-15 A 01-Jul-15	31-Dec-15 A 31-Dec-15	100%								Semi Annual Re <sub>l</sub>	ort 5 Data Colle	ection				
														_				
CR4170	Develop Semi Annual Report 5	31-Dec-15 A 31-Dec-15	28-Jan-16 A 28-Jan-16	100%								Develo	p Semi Annual	Reports				
CR4180	Submit Deliverable to EPA and TDEC	29-Jan-16 A 29-Jan-16	29-Jan-16 A 29-Jan-16	100%								Subm	it Deliverable to	EPA and TDEC				
G.C.100	Cooling Control and to 21 Maria 1920	20 00.1 10 11	20 0411 1071	10070														
CR4190	Place Copy of EPA and TDEC Submittal in PDR	30-Jan-16 A 30-Jan-16	30-Jan-16 A 30-Jan-16	100%								Place	Copy of EPA a	nd TDEC Submitta	al in PDR			
		04 155 40 4 155 40	04 les 47 0 04 les 47	4000/								Semi-A	nnual Report -	2016				
Semi-Annual R	•	01-Jan-16 A 01-Jan-16	31-Jan-17 A 31-Jan-17	100%										Data Collection				
CR9040	Semi Annual Report 6 Data Collection	01-Jan-16 A 01-Jan-16	30-Jun-16 A 30-Jun-16	100%														
CR9050	Develop Semi Annual Report 6	01-Jul-16 A 01-Jul-16	30-Jul-16 A 30-Jul-16	100%									Develop \$en	ni Annual Report	6			
CR9060	Submit Deliverable to EPA and TDEC	31-Jul-16 A 31-Jul-16	31-Jul-16 A 31-Jul-16	100%									Supmit Del	iverable to EPA ar	IU IDEU			
CR9070	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-16 A 31-Jul-16	31-Jul-16 A 31-Jul-16	100%									Place Copy	y of EPA and TDE	.C Submitta	in PDR		
CR9080	Semi Annual Report 7 Data Collection	01-Jul-16 A 01-Jul-16	31-Dec-16 A 31-Dec-16	100%									Semi Annual	Report 7 Data Co	ollection			
CR9090	Develop Semi Annual Report 7	01-Jan-17 A 01-Jan-17	31-Jan-17 A 31-Jan-17	100%									De	velop Semi Annua	al Report 7			
CK9090	Develop Settii Attituai Nepott 7	OT-Sall-17 A OT-Sall-17	ST-Jan-17 A ST-Jan-17	10076														
CR9100	Submit Deliverable to EPA and TDEC	31-Jan-17 A 31-Jan-17	31-Jan-17 A 31-Jan-17	100%									s	Submit Deliverable	∍ to EPA anr	1TDEC		
														None Committee	A == HTDEC	Cubanitalia	DDD	
CR9110	Place Copy of EPA and TDEC Submittal in PDR	31-Jan-17 A 31-Jan-17	31-Jan-17 A 31-Jan-17	100%										Place Copy of EPA	and TDEC	Submiliai in F	JUK	
Semi-Annual R	Report - 2017	01-Jan-17 A 01-Jan-17	29-Jan-18 A 29-Jan-18	100%									Sei	mi-Annual Report	<u>t -</u> 2017			
CR9120	Semi Annual Report 8 Data Collection	01-Jan-17 A 01-Jan-17	30-Jun-17 A 30-Jun-17	100%									Sei	<u>mi Ann</u> ual Report	8 Data Col	ection		
	· ·																	
CR9130	Develop Semi Annual Report 8	01-Jul-17 A 01-Jul-17	31-Jul-17 A 31-Jul-17	100%										Pevelop \$	emi Annual	Report 8		
CR9140	Submit Deliverable to EPA and TDEC	31-Jul-17 A 31-Jul-17	31-Jul-17 A 31-Jul-17	100%										Submit [	) Deliverable f	to EPA and TD	DEC	
CK9140	Submit Deliverable to EFA and TDEC	31-Jul-17 A 31-Jul-17	31-Jul-17 A 31-Jul-17	100%										The state of the s	i i			
CR9150	Place Copy of EPA and TDEC Submittal in PDR	31-Jul-17 A 31-Jul-17	31-Jul-17 A 31-Jul-17	100%										Place Cc	ρy of EP <mark>A</mark> ε	ind TDEC Sur	bmittal in PDR	
														Som Ann	IOL Floro # C	Doto Collect	ion	
CR9160	Semi Annual Report 9 Data Collection	01-Jul-17 A 01-Jul-17	31-Dec-17 A 31-Dec-17	100%										Semi-Amila	ai ivepoit s	Data Collecti	011	
CR9170	Develop Semi Annual Report 9	01-Jan-18 A 01-Jan-18	28-Jan-18 A 28-Jan-18	100%											⊋evė̇́lop Ser	mi Annual Rep	port 9	
CR9180	Submit Deliverable to EPA and TDEC	29-Jan-18 A 29-Jan-18	29-Jan-18 A 29-Jan-18	100%											Submit Del	iverable to El	PA and TDEC	
CR9190	Place Copy of EPA and TDEC Submittal in PDR	29-Jan-18 A 29-Jan-18	29-Jan-18 A 29-Jan-18	100%											Place Cop	y of EPA and	TDEC Submitte	al in PDR
OKS150	Trade dopy of Erivaria 1920 dabilitarii 1910	20 0411 1077 20 0411 10	25 0411 1071 25 0411 10	10070											'			
Semi-Annual R	Report - 2018	01-Jan-18 A 01-Jan-18	28-Jan-19	41.44%										ļ.	Semi-Annua	I Report - 201	18	
CR9200	Semi Annual Report 10 Data Collection	01-Jan-18 A 01-Jan-18	30-Jun-18 A 30-Jun-18	100%										c	Semi Annua	Report 10 D	Data Collection	
ODCCA	Develop Conti Assert Develop 1	04 141 12 1 14 14 14 14 14 14 14 14 14 14 14 14 1	00 1:140													velon somiA	Annual Report 1	10
CR9210	Develop Semi Annual Report 10	01-Jul-18 A 01-Jul-18	29-Jul-18	0%											F	. Stop delli Al		
CR9220	Submit Deliverable to EPA and TDEC	30-Jul-18	30-Jul-18	0%													rable to EPA an	1 1
CR9230	Place Copy of EPA and TDEC Submittal in PDR	30-Jul-18	30-Jul-18	0%												1 1 1 1	FEPA and TDEC	
CR9240	Semi Annual Report 11 Data Collection	01-Jul-18 A 01-Jul-18	30-Dec-18	0%											Ser	ni Annual Re	eport 11 Data C	ollection
CR9250	Develop Semi Annual Report 11	31-Dec-18	27-Jan-19	0%												Devel	op Semi Annua	al Report 1
CR9260	Submit Deliverable to EPA and TDEC	28-Jan-19	28-Jan-19	0%													mit Deliverable	
CR9270	Place Copy of EPA and TDEC Submittal in PDR	28-Jan-19	28-Jan-19	0%													e Copy of EPA	
Semi-Annual R	Report - 2019	31-Dec-18	28-Jan-20	0%													Annual Report	• ! !
CR9280	Semi Annual Report 12 Data Collection	31-Dec-18	29-Jun-19	0%												Semi.	Annual Report	1 1
CR9290	Develop Semi Annual Report 12	30-Jun-19	29-Jul-19	0%													Develop \$6	emi Annua eliverable
CR9300 CR9310	Submit Deliverable to EPA and TDEC	30-Jul-19 30-Jul-19	30-Jul-19 30-Jul-19	0% 0%													Place Cor	
CR9310 CR9320	Place Copy of EPA and TDEC Submittal in PDR  Semi Annual Report 13 Data Collection	30-Jul-19 30-Jun-19	30-Jul-19 30-Dec-19	0%													Semi Annua	al Report
CR9330	Develop Semi Annual Report 13	31-Dec-19	27-Jan-20	0%														evelop Se
CR9340	Submit Deliverable to EPA and TDEC	28-Jan-20	28-Jan-20	0%													- 1 - 1 - П	Submit De
CR9350	Place Copy of EPA and TDEC Submittal in PDR	28-Jan-20	28-Jan-20	0%														Place Cop
Semi-Annual R	•	31-Dec-19	30-Jul-20	0%														Semi-Annu
CR9360	Semi Annual Report 14 Data Collection	31-Dec-19	29-Jun-20	0%													S	Semi Annua
CR9370	Develop Semi Annual Report 14	30-Jun-20	29-Jul-20	0%	<u> </u>	<u> </u>		<u> </u>	1 1	<u> </u>	<u> </u>	<u> </u>	1 1	<u>: : i  </u>		<u> </u>		<u>: 12</u>
THE	Summary Critical Remaining W																	







Activity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	2010	2011		2013 2014	2015	2016	2017	2018	2019	2020
CR9380	Submit Deliverable to EPA and TDEC	30-Jul-20		30-Jul-20		0%	24 Q1 Q2 Q3 Q4	4 Q1 Q2 Q3 Q4 Q	Q1 Q2 Q3 Q4 Q1 Q2	2 Q3 Q4 Q1 Q2 Q3	Q4 Q1 Q2 Q	3 Q4 Q1 Q2 Q	3 Q4 Q1 Q2 Q3	Q4 Q1 Q2 Q3	Q4 Q1 Q2 Q	3 Q4 Q1 Q2 Q3 St
CR9390	Place Copy of EPA and TDEC Submittal in PDR	30-Jul-20		30-Jul-20		0%										PI
Para 40 - An	nual Reports	01-Jan-14 A	01-Jan-14	28-Feb-21		62.32%				Para 40 - Annu	al Reports			$\longrightarrow$		
Annual Rep		01-Jan-14 A	01-Jan-14	28-Feb-21		62.32%				Annual Report	3					
		01-Jan-14 A	01 lon 14	28-Feb-14 A	20 Ech 14	100%				Annual Report	- 2013					
Annual Repor CR8010				26-Feb-14 A						Develop Annu	1 1					
CR8010	Develop Annual Report	01-Jan-14 A	01-Jan-14	26-Feb-14 A	26-Feb-14	100%				Z volop z unid	a report					
CR8020	Submit Deliverable to EPA and TDEC	27-Feb-14 A	27-Feb-14	27-Feb-14 A	27-Feb-14	100%				Submit Deli	verable to EPA ar	nd TDEC				
00000	Dissa Consult EDA and TDEC Out with the DDD	00 5-1-444	00 5-1-44	00 5-1-444	00 5-1-44	1000/				Place Conv	of EPA and TDE	Submittal in PDR				
CR8030	Place Copy of EPA and TDEC Submittal in PDR	28-Feb-14 A	28-Feb-14	28-Feb-14 A	28-Feb-14	100%				Flace Copy	OI LEA AND TOL	Subilitiai ili FBR				
Annual Repor	rt - 2014	01-Jan-14 A	01-Jan-14	25-Feb-15 A	25-Feb-15	100%				Annual Report	- 2014					
CR8040	Annual Report Period 2	01-Jan-14 A	01-Jan-14	31-Dec-14 A	31-Dec-14	100%				Annual Report	Period 2					
			_								Davids					
CR8050	Develop Annual Report	31-Dec-14 A	31-Dec-14	24-Feb-15 A	24-Feb-15	100%					Develop Anr	iuai Report				
CR8060	Submit Deliverable to EPA and TDEC	25-Feb-15 A	25-Feb-15	25-Feb-15 A	25-Feb-15	100%					Submit D	eliverable to EPA ar	nd TDEC			
				<u> </u>							Dia	of EDA at 1775	Cubmitted in DDD			
CR8070	Place Copy of EPA and TDEC Submittal in PDR	25-Feb-15 A	25-Feb-15	25-Feb-15 A	25-Feb-15	100%					Place Co	Dy of EPA and IDE	C Submittal in PDR			
Annual Repor	rt - 2015	01-Jan-15 A	01-Jan-15	02-Mar-16 A	02-Mar-16	100%					Annual Repo	ort - 2015				
CR8080	Annual Report Period 3 Data Collection	01-Jan-15 A		31-Dec-15 A		100%						ort Period 3 Data Co	ollection			
	4															
CR8090	Develop Annual Report 3	01-Jan-16 A	01-Jan-16	29-Feb-16 A	29-Feb-16	100%						Develop Anr	nual Report 3			
CR8100	Submit Deliverable to EPA and TDEC	01-Mar-16 A	01-Mar-16	01-Mar-16 A	01-Mar-16	100%						Submit D	eliverable to EPA and	rdec :		
11																
CR8110	Place Copy of EPA and TDEC Submittal in PDR	02-Mar-16 A	02-Mar-16	02-Mar-16 A	02-Mar-16	100%						Place Co	py of EPA and TDEC S	ubmittal in PDR		
Annual Repor	4 2046	01-Jan-16 A	01- lan-16	23-Feb-17 A	23-Feb-17	100%						Annual Rep	ort - 2016_			
CR8120	Annual Report Period 4 Data Collection	01-Jan-16 A		31-Dec-16 A		100%							ort Period 4 Data Colle	ction		
CR0120	Allitual Report Fellou 4 Data Collection	01-Jan-10 A	01-3411-10	31-Dec-10 A	31-060-10	100%										
CR8130	Develop Annual Report 4	01-Jan-17 A	01-Jan-17	23-Feb-17 A	23-Feb-17	100%							Develop Annua	Report 4		
CD0440	Cubasit Deliverable to EDA and TDEC	22 Feb 47 A	22 Feb 47	22 Feb 47 A	22 Feb 47	4000/							Submit Deliv	verable to EPA and	d TDEC	
CR8140	Submit Deliverable to EPA and TDEC	23-Feb-17 A	23-Feb-17	23-Feb-17 A	23-Feb-17	100%							Commit Benit	Siddle to Elivination		
CR8150	Place Copy of EPA and TDEC Submittal in PDR	23-Feb-17 A	23-Feb-17	23-Feb-17 A	23-Feb-17	100%							Place Copy of	of EPA and TDEC	Submittal in PDR	
<u>                                     </u>													Annial Panas	2017		
Annual Repor		01-Jan-17 A		27-Feb-18 A		100%							Annual Report	Period 5 Data Col	llaction	
CR8160	Annual Report Period 5 Data Collection	01-Jan-17 A	01-Jan-17	31-Dec-17 A	31-Dec-17	100%							Annual Report	enou s Data Coi	iection	
CR8170	Develop Annual Report 5	01-Jan-18 A	01-Jan-18	26-Feb-18 A	26-Feb-18	100%								Develop Annu	ual Report 5	
																- 4/TDFC
CR8180	Submit Deliverable to EPA and TDEC	27-Feb-18 A	27-Feb-18	27-Feb-18 A	27-Feb-18	100%								Submit De	eliverable to EPA ar	10 IDEC
CR8190	Place Copy of EPA and TDEC Submittal in PDR	27-Feb-18 A	27-Feb-18	27-Feb-18 A	27-Feb-18	100%								Place Cop	y of EPA and TDE	C Submittal in PDR
														'  .		
Annual Repor		01-Jan-18 A		28-Feb-19		38.17%								Annual Repor	<del></del> : :	
CR8200	Annual Report Period 6 Data Collection	01-Jan-18 A	01-Jan-18	31-Dec-18		49.32%								Annual Repo	T Period 6 Data Co	ollection, Annual Rep
CR8210	Develop Annual Report 6	01-Jan-19		27-Feb-19		0%									Develop An	nual Report 6
CR8220	Submit Deliverable to EPA and TDEC	28-Feb-19		28-Feb-19		0%									Submit D	eliverable to EPA an
CR8230	Place Copy of EPA and TDEC Submittal in PDR	28-Feb-19		28-Feb-19		0%										py of EPA and TDEC
Annual Repor		01-Jan-19		29-Feb-20		0%									Annual Repo	ort Period 7 Data Co
CR8240 CR8250	Annual Report Period 7 Data Collection  Develop Annual Report 7	01-Jan-19 01-Jan-20		31-Dec-19 28-Feb-20		0% 0%									Annual Kepr	
CR8250 CR8260	Submit Deliverable to EPA and TDEC	29-Feb-20		28-Feb-20 29-Feb-20		0%										Develop Annı Submit De
CR8270	Place Copy of EPA and TDEC Submittal in PDR	29-Feb-20		29-Feb-20		0%										Place Cop
Annual Repor	rt - 2020	01-Jan-20		28-Feb-21		0%										Annual Repo
CR8280	Annual Report Period 8 Data Collection	01-Jan-20		31-Dec-20		0%										Annual Repo
CR8290	Develop Annual Report 8	01-Jan-21		27-Feb-21		0%										
CR8300 CR8310	Submit Deliverable to EPA and TDEC  Place Copy of EPA and TDEC Submittal in PDR	28-Feb-21 28-Feb-21		28-Feb-21 28-Feb-21		0% 0%										
Program Mar		01-Jul-12 A	01-Jul-12	30-Jun-20		57.07%			Program Manager	ment						
		01-Jul-12 A		30-Jun-20		57.07%			Program Manager	ment						
Program Ma	<del></del>								- Jogiani Manager							- V- 2
Program M	anagement for Consent Decree - Year 6	01-Jul-17 A	01-Jul-17	30-Jun-18 A	30-Jun-18	100%							Progra	ım Management	for Consent Decre	e Year 6
	agement - Fiscal Year 2018	01-Jul-17 A	01-Jul-17	30-Jun-18 A	30-Jun-18	100%									- Fiscal Year 2018	
A8950	Year 6 - Fiscal Year 2018	01-Jul-17 A	01-Jul-17	30-Jun-18 A	30-Jun-18	100%							Year 6	6 - Fiscal Year 201	18	
															aram Massassi	+for Connect De
Program M	anagement for Consent Decree - Year 7	01-Jul-18 A	01-Jul-18	30-Jun-19		0%								Proc	ıram Managemen	t for Consent Decree
															-	



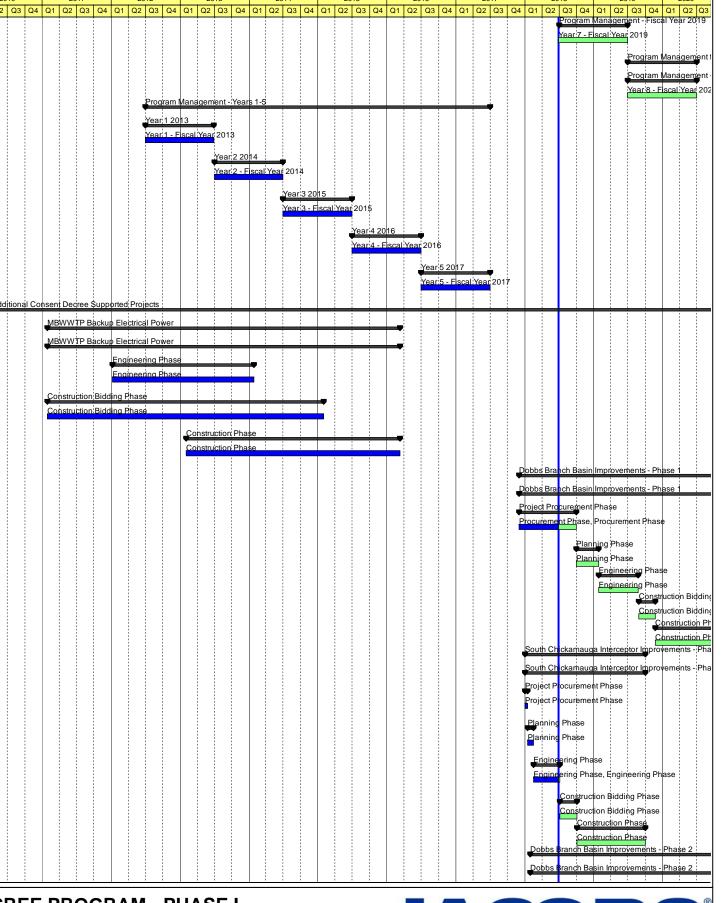


Baseline Milestone

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



Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete	Q4 Q1 (	2010 Q2 Q3 Q4	20°	Q3 Q4 Q1	2012 1 Q2 Q3	Q4 Q1
Program Management - Fiscal Year 2019	01-Jul-18 A	01-Jul-18	30-Jun-19		0%						
A8960 Year 7 - Fiscal Year 2019	01-Jul-18 A	01-Jul-18	30-Jun-19		0%						
Program Management for Consent Decree - Year 8	01-Jul-19		30-Jun-20		0%						
<u> </u>	01-Jul-19		30-Jun-20		0%						
Program Management - Fiscal Year 2020 A8970 Year 8 - Fiscal Year 2020	01-Jul-19		30-Jun-20		0%						
Program Management - Years 1-5		01-Jul-12	30-Jun-17 A	30-Jun-17	100%					Progr	ram Ma
Year 1 2013	01-Jul-12 A	01-Jul-12	30-Jun-13 A	30-Jun-13	100%					Year	1 2013
Al5000 Year 1 - Fiscal Year 2013	01-Jul-12 A	01-Jul-12	30-Jun-13 A	30-Jun-13	100%					Year	1 - Fisc
V - 00044	04 1.1 42 4	04 1.1 40	20 lum 44 A	20 lun 44	4000/						
<b>Year 2 2014</b> Al5100 Year 2 - Fiscal Year 2014	01-Jul-13 A 01-Jul-13 A	01-Jul-13 01-Jul-13	30-Jun-14 A 30-Jun-14 A	30-Jun-14 30-Jun-14	100%						
AUTOU Teal 2 - 113cal Teal 2014	01-341-1374	01-001-13	30-3011-147	30-3uii-14	10078						
Year 3 2015	01-Jul-14 A	01-Jul-14	30-Jun-15 A	30-Jun-15	100%						
Al5200 Year 3 - Fiscal Year 2015	01-Jul-14 A	01-Jul-14	30-Jun-15 A	30-Jun-15	100%						
Year 4 2016	01-Jul-15 A	01-Jul-15	30-Jun-16 A	30-Jun-16	100%						
Al5300 Year 4 - Fiscal Year 2016	01-Jul-15 A	01-Jul-15	30-Jun-16 A	30-Jun-16	100%						
Year 5 2017	01-Jul-16 A	01-Jul-16	30-Jun-17 A	30-Jun-17	100%						
Al5400 Year 5 - Fiscal Year 2017	01-Jul-16 A	01-Jul-16	30-Jun-17 A	30-Jun-17	100%						
							dd far - 10			od Drain	
Iditional Consent Decree Supported Projects	12-Apr-10 A	12-Apr-10	20-Jul-21		65.51%	A	udjuonal Co		ree \$upporte		
BWWTP Backup Electrical Power	27-Jan-11 A	27-Jan-11	11-Mar-16 A	11-Mar-16	100%				TP Backup El		
ABWWTP Backup Electrical Power	27-Jan-11 A	27-Jan-11	11-Mar-16 A	11-Mar-16	100%			MBWWT	TP Backup El	lectrical Pow	ver
Engineering Phase	10-Jan-12 A	10-Jan-12	26-Jan-14 A	26-Jan-14	100%					gineering P	
A4780 Engineering Phase	10-Jan-12 A	10-Jan-12	26-Jan-14 A	26-Jan-14	100%				En	gineering P	hase
Construction Bidding Phase	27-Jan-11 A	27-Jan-11	02-Feb-15 A	02-Feb-15	100%			Constru	ction Bidding	Phase	
A4790 Construction Bidding Phase	27-Jan-11 A	27-Jan-11	02-Feb-15 A	02-Feb-15	100%				ction Bidding		
, and the second											
Construction Phase	03-Feb-13 A	03-Feb-13	11-Mar-16 A	11-Mar-16	100%						•
A4800 Construction Phase	03-Feb-13 A	03-Feb-13	11-Mar-16 A	11-Mar-16	100%						•
obbs Branch Basin Improvements - Phase 1	01-Dec-17 A	01-Dec-17	05-Jun-21		14.45%						
Oobbs Branch Basin Improvements - Phase 1	01-Dec-17 A	01-Dec-17	05-Jun-21		14.45%						
Project Procurement Phase	01-Dec-17 A	01-Dec-17	29-Sep-18		23.97%						
A8170 Procurement Phase	01-Dec-17 A	01-Dec-17	29-Sep-18		23.97%						
Dianning Phase	30-Sep-18		27-Jan-19		0%						
Planning Phase  A8180 Planning Phase	30-Sep-18		27-Jan-19 27-Jan-19		0%						
Engineering Phase	28-Jan-19		25-Aug-19		0%						
A8190 Engineering Phase	28-Jan-19		25-Aug-19		0%						
Construction Bidding Phase	26-Aug-19		23-Nov-19		0%						
A8200 Construction Bidding Phase  Construction Phase	26-Aug-19 24-Nov-19		23-Nov-19 05-Jun-21		0% 0%						
A8210 Construction Phase	24-Nov-19		05-Jun-21		0%						
outh Chickamauga Interceptor Improvements - Phase 1		01-Jan-18	02-Oct-19		11.71%						
South Chickamauga Interceptor Improvements - Phase 1	01-Jan-18 A	01-Jan-18	02-Oct-19		11.71%						
Project Procurement Phase	01-Jan-18 A	01-Jan-18	15-Jan-18 A	15-Jan-18	100%						
A8470 Project Procurement Phase	01-Jan-18 A	01-Jan-18	15-Jan-18 A	15-Jan-18	100%						
			45.51.40								
Planning Phase A8480 Planning Phase	16-Jan-18 A 16-Jan-18 A	16-Jan-18 16-Jan-18	15-Feb-18 A 15-Feb-18 A	15-Feb-18 15-Feb-18	100%						
AUTOU FIGHTHING FIGST	10-Jan-18 A	10-0411-10	13-Feb-18 A	13-1-60-18	100%						
Engineering Phase	16-Feb-18 A	16-Feb-18	04-Jul-18		95.83%						
A8490 Engineering Phase	16-Feb-18 A	16-Feb-18	04-Jul-18		95.83%						
	05-Jul-18		02-Oct-18		0%						
Construction Bidding Phase			02-Oct-18		0%						
Construction Bidding Phase  A8500 Construction Bidding Phase	05-Jul-18					1 i	, i	1 1 1	. 1		- 1
	05-Jul-18 03-Oct-18		02-Oct-19		0%						
A8500 Construction Bidding Phase	03-Oct-18 03-Oct-18	31-Jan-18	02-Oct-19 02-Oct-19 06-Apr-21		0% 0%						











Activity ID Activity Name	Start Actual St	tart Finish	Actual Finish Duration	1%	2010	2011	2012	2013	2014	2015	2016	2017	2018 2019 2020
Taking Hallo	Total Of	tear T miles	Comple		Q2 Q3 Q4	Q1 Q2 Q3 Q4	Q1 Q2 Q3 (			Q4 Q1 Q2 Q3			13 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2
Project Procurement Phase	31-Jan-18 A 31-Jan-	-18 31-Jul-18	65.22	2%									Project Procurement Phase
A8220 Project Procurement Phase	31-Jan-18 A 31-Jan-	-18 31-Jul-18	65.22	2%									Project Procurement Phase, Project Procureme
	2/ 1 / 2	00.11 40											Planning Phase
Planning Phase	01-Aug-18	28-Nov-18		0%									Planning Phase  Planning Phase
A8230 Planning Phase	01-Aug-18 29-Nov-18	28-Nov-18 26-Jul-19		0%									Engineering Phase
Engineering Phase  A8240 Engineering Phase				200									Engineering Phase
A8240 Engineering Phase  Construction Bidding Phase	29-Nov-18 27-Jul-19	26-Jul-19 24-Oct-19		0%									Construction Bidd
A8250 Construction Bidding Phase	27-Jul-19	24-Oct-19		0%									Construction Bidd
Construction Phase	25-Oct-19	06-Apr-21		0%									Construction
A8260 Construction Phase	25-Oct-19	06-Apr-21		0%									Construction
Patten Parkway CSO Dentention - Phase 1	01-Dec-17 A 01-Dec-		24.01	1%									Patten Parkway CSO Dentention - Phase 1
<del> </del>	01-Dec-17 A 01-Dec-	-17 23-Jan-20	24.01	1%									Patten Parkway CSQ Dentention - Phase 1
Patten Parkway CSO Dentention - Phase 1													
Project Procurement Phase	01-Dec-17 A 01-Dec-		30										Project Procurement Phase
A8670 Project Procurement Phase	01-Dec-17 A 01-Dec-	-17 31-Aug-18	30	0%									Project Procurement Phase, Project Procurement
Planning Phase	01-Sep-18	30-Oct-18	(	0%									Planning Phase
A8680 Planning Phase	01-Sep-18	30-Oct-18		0%									Planning Phase
Engineering Phase	31-Oct-18	27-Feb-19		0%									Engineering Phase
A8690 Engineering Phase	31-Oct-18	27-Feb-19		0%									Engineering Phase
Construction Bidding Phase	28-Feb-19	28-Apr-19	(	0%									Construction Bidding Phat
A8700 Construction Bidding Phase	28-Feb-19	28-Apr-19		0%									Construction Bidding Pha
Construction Phase	29-Apr-19	23-Jan-20	(	0%									Construction Phase
A8710 Construction Phase	29-Apr-19	23-Jan-20		0%									Construction Phase
CSOTF Improvements - Phase 1	01-Dec-17 A 01-Dec-	-17 11-Jul-19	32.44	4%									CSOTF Improvements - Phase 1
CSOTF Improvements - Phase 1	01-Dec-17 A 01-Dec-	-17 11-Jul-19	32.44	<mark>4%</mark>									CSOTF Improvements - Phase 1
Project Procurement Phase	01-Dec-17 A 01-Dec-	-17 31-Jul-18	64.44	1%									Project Procurement Phase
A8720 Project Procurement Phase	01-Dec-17 A 01-Dec-		64.44										Project Procurement Phase, Project Procurement
1 Tojoki Toodiomonii naad	01 200 1171 01 200	0100110	04.44	170									
Planning Phase	01-Aug-18	14-Sep-18	(	0%									Planning Phase
A8730 Planning Phase	01-Aug-18	14-Sep-18	(	0%									Planning Phase
Engineering Phase	15-Sep-18	13-Nov-18	(	0%									Engineering Phase
A8740 Engineering Phase	15-Sep-18	13-Nov-18		0%									Engineering Phase
Construction Bidding Phase	14-Nov-18	12-Jan-19		0%									Construction Bidding Phase
A8750 Construction Bidding Phase	14-Nov-18	12-Jan-19		0%									Construction Bidding Phase
Construction Phase	13-Jan-19	11-Jul-19		0%									Construction Phase
A8760 Construction Phase	13-Jan-19 04-Aug-14 A 04-Aug-	11-Jul-19 -14 25-Dec-18	88.02	0%					М	SWWTP Secondary	Clarifier Upgrade	es and Additions	Construction Phase
MBWWTP Secondary Clarifier Upgrades and Additions			00.02	2 70						: : : :			<del></del>
MBWWTP Secondary Clarifier Upgrades and Additions	04-Aug-14 A 04-Aug-	-14 25-Dec-18	88.02	2%						WWTP Secondary	Clarifier Upgrade	es and Additions	<del></del>
Project Procurement	04-Aug-14 A 04-Aug-	-14 26-Jan-15 A	26-Jan-15 100	0%					Pr	oject Procurement			
AL1090 CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	04-Aug-14 A 04-Aug-	-14 19-Sep-14 A	19-Sep-14 100	0%					C	Prequalification Pr	ocurement (FY 20	014 - 2015) - Deve	opment and Issuance of RFP
AL1100 DuPont	20-Sep-14 A 20-Sep-	-14 08-Oct-14 A	08-Oct-14 100	0%						DuPant			
AL1110 PMO Reviews/ Negotiates and Approve Proposal / Agreement	09-Oct-14 A 09-Oct-1	14 05-Nov-14 A	05-Nov-14 100	0%						PMO Reviews/ Neg	otiates and Appr	ove Proposal / Agr	eement
			100										
AL1120 PMO Approved Agreement to Council for Approval	06-Nov-14 A 06-Nov-	-14 20-Nov-14 A	20-Nov-14 100	0%						PMO Approved A	reement to Cour	ncil for Approval	
AL 1120 Consultant Circuit Agreement to City for Everytion	21 Nov 14 A 21 Nov	14 26 lon 15 A	26 lon 15 100	20/						Consultant Signe	d Agreement to (	City for Execution	
AL1130 Consultant Signed Agreement to City for Execution	21-Nov-14 A 21-Nov-	-14 26-Jan-15 A	26-Jan-15 100	J%						Solid Lant Olym	a rigide illentito (	Sidy for Excedencia	
Planning Phase	12-Feb-15 A 12-Feb-	-15 18-Jan-16 A	18-Jan-16 100	0%						Planning Ph	ase		
AL1000 Planning Phase	12-Feb-15 A 12-Feb-	-15 01-Dec-15 A	01-Dec-15 100	0%						Planning Ph	ase		
			1								CDE E	Dian Arrest	
AL1060 SRF Facility Plan Approval	30-Dec-15 A 30-Dec-	-15 18-Jan-16 A	18-Jan-16 100	0%							RFFacility	Plan Approval	
Engineering Phase	06-Aug-15 A 06-Aug-	-15 07-Jul-16 A	07-Jul-16 100	0%						En	gineering:Phase		
AL1010 Engineering	06-Aug-15 A 06-Aug-									: : : -	gineering		
		13	100										
AL1020 SRF Approval of Contract Documents	16-May-16 A 16-May-	/-16 07-Jul-16 A	07-Jul-16 100	0%							SRF	Approval of Contra	ct Documents
	20.1.1.40.6	40 07.1	27 Mar 17	20/								onstruction Biddin	ı Phase
Construction Bidding Phase	20-Jul-16 A 20-Jul-1										1 1	onstruction Biddin	
AL1070 Construction Bidding Phase	20-Jul-16 A 20-Jul-1	16 19-Jan-17 A	19-Jan-17 100	J%							<u></u>	Chairman Diudin	g 1 11830
AL1140 SRF Administration Phase	20-Jan-17 A 20-Jan-	-17 27-Mar-17 A	27-Mar-17 100	0%								SRF Admir	nistration Phase
Construction Phase	28-Mar-17 A 28-Mar-	-17 24-Dec-18	70.53	3%	<u>                                     </u>	<u> </u>		<u> </u>		<u>                                     </u>		Constr	uction Phase
								•					







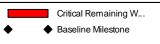


ty ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
AL1080	Construction Phase	28-Mar-17 A	28-Mar-17	24-Dec-18		70.53%
EPA and TDEC	Approvals	25-Dec-18		25-Dec-18		0%
AL1030	Notification of Completion to EPA, TDEC, TCWN	25-Dec-18		25-Dec-18		0%
Brainerd Golf	f Course PS Safety Upgrade	01-Nov-16 A	01-Nov-16	18-Jun-19		60.67%
	olf Course PS Safety Upgrade	01-Nov-16 A	01-Nov-16	18-Jun-19		60.67%
		01-Nov-16 A	01-Nov-16	19-Sep-17 A	19-Sep-17	100%
Project Procur	Development and Issuance of RFP	01-Nov-16 A	01-Nov-16	22-Dec-16 A	22-Dec-16	100%
Aloro	Development and issuance of Ki F	01-100-107	01-1400-10	22-Dec-10 A	22-060-10	1007
A7080	Consultant develops and Submit Scope and Cost proposal	23-Dec-16 A	23-Dec-16	19-Jan-17 A	19-Jan-17	100%
A7090	PMO Reviews/ Negotiates and Approve Proposal / Agreement	20-Jan-17 A	20-Jan-17	24-Aug-17 A	24-Aug-17	1009
A7100	PMO Approved Agreement to Council for Approval	25-Aug-17 A	25-Aug-17	19-Sep-17 A	19-Sep-17	100%
A7110	Consultant Signed Agreement to City for Execution	19-Sep-17 A	19-Sep-17	19-Sep-17 A	19-Sep-17	100%
Project Plannir		20-Sep-17 A	20-Sep-17	23-Feb-18 A	23-Feb-18	1009
A7120	Planning Phase	20-Sep-17 A	20-Sep-17	23-Feb-18 A	23-Feb-18	1009
7.1.120	, raining r nase	25 GGP 11 71	20 000	20 1 05 1071	20.00.0	1007
<b>Engineering Pl</b>	hase	24-Feb-18 A	24-Feb-18	15-Sep-18		47.39
A7130	Engineering	24-Feb-18 A	24-Feb-18	15-Sep-18		47.39
Construction E	Bidding Phase	16-Sep-18		10-Oct-18		09
A7150	Construction Bidding Phase	16-Sep-18		10-Oct-18		09
Construction P	Phase	11-Oct-18		18-Jun-19		09
A7170	Construction Phase	11-Oct-18*		18-Jun-19		09
Citico PS Rel	liability Improvements	01-Jul-16 A	01-Jul-16	22-Jun-20		49.129
	eliability Improvements	01-Jul-16 A	01-Jul-16	22-Jun-20		49.129
Project Procur		01-Jul-16 A	01-Jul-16	23-Nov-16 A	23-Nov-16	1009
A4495	Development and Issuance of RFP	01-Jul-16 A	01-Jul-16	22-Jul-16 A	22-Jul-16	1009
	20100pinonana badansa 31111	0.00.00	0.00.00	22 00. 1071		1007
A4500	Consultant develops and Submit Scope and Cost proposal	23-Jul-16 A	23-Jul-16	19-Aug-16 A	19-Aug-16	1009
A4505	PMO Reviews/ Negotiates and Approve Proposal / Agreement	20-Aug-16 A	20-Aug-16	27-Aug-16 A	27-Aug-16	1009
A4510	PMO Approved Agreement to Council for Approval	28-Aug-16 A	28-Aug-16	27-Sep-16 A	27-Sep-16	100%
A4515	Consultant Signed Agreement to City for Execution	27-Sep-16 A	27-Sep-16	23-Nov-16 A	23-Nov-16	1009
Planning Phase		11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17	1009
A4600	Planning Phase	11-Nov-16 A	11-Nov-16	17-Feb-17 A	17-Feb-17	100
	, <b>,</b> , , ,					
Pump Station		16-Jan-17 A	16-Jan-17	15-May-17 A	15-May-17	1009
A4605	Engineering Phase- Pump Station	16-Jan-17 A	16-Jan-17	15-May-17 A	15-May-17	1009
Force Main		26-Feb-19		19-Sep-19		09
A4655	Engineering Phase- Force Main	26-Feb-19*		19-Sep-19		09
Pump Station		16-May-17 A	16-May-17	31-Aug-17 A	31-Aug-17	1009
A4615	Construction Bidding Phase- Pump Station	16-May-17 A	16-May-17	31-Aug-17 A	31-Aug-17	1009
Force Main		20-Sep-19		23-Nov-19		09
A4675	Construction Bidding Phase- Force Main	20-Sep-19		23-Nov-19		09
Pump Station		01-Sep-17 A	01-Sep-17	24-Jun-19		22.25%
A4625	Construction Phase- Pump Station	01-Sep-17 A	01-Sep-17	24-Jun-19		22.25
Force Main		24-Nov-19		21-Jun-20		0
A4665	Construction Phase- Force Main	24-Nov-19		21-Jun-20		0
Project Comple	etion	22-Jun-20	1	22-Jun-20		0'
A4820	Project Competion	22-Jun-20		22-Jun-20		0
Wet Weather	Combined Sewer Storage - Phases 1-3 (IRPS)	03-Jan-17 A	03-Jan-17	20-Jul-21		32.83
	r Combined Sewer Storage - Phases 1-3 (IRPS)	03-Jan-17 A	03-Jan-17	20-Jul-21		32.83
Project Procur		03-Jan-17 A	03-Jan-17	03-Nov-17 A	03-Nov-17	100
A4545	Development and Issuance of RFP	03-Jan-17 A	03-Jan-17	08-Feb-17 A	08-Feb-17	100
A4550	Consultant develops and Submit Scope and Cost proposal	09-Feb-17 A	09-Feb-17	11-May-17 A	11-May-17	1009
A4000	Consultant develops and Submit Scope and Cost proposal	09-rep-1/A	09-1 <b>6</b> D-17	11-IVIAY-11 A	i i -iviay- I /	100%

%	Construction Phase. Construction Phase
/0	
%	FPA and TDEC Approvals
%	Notification of Completion to EPA
%	Brainerd Golf Course PS Safety Upgrade
	:
%	Brainerd Golf Course PS Safety Upgrade
%	Praject Procurement
%	Development and Issuance of RFP
~	
%	Consultant develops and Sut <mark>m</mark> it Scope and Cost proposa
%	PMO Relviews/ Negotiates and Approve Proposal / Agreement
0/	PMO Approved Agreement to Council for Approval
%	
%	Consultant Signed Agreement to City for Execution
%	Project Plannir g
%	Planding Phase
%	<u>Figinderind</u> Phase
%	Engineering, Engineering
0/	Construction Bidding Phase
%	
%	Construction Bidding Phase
%	Construction Phase
%	Construction Phase
%	Citico PS Reliability Improvements
%	Citico PS Reliability Improvements
%	Project Procurement
0/.	Development and Issuance of RFP
%	
%	Consultant develops and Submit Scope and Cost proposal
%	PIMO Reviews/ Negotiates and Approve Proposal / Agreement
0/	PMO Approved Agreement to Council for Approval
%	
%	Consultant Signed Agreement to City for Execution
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%	Planning Phase
%	Planning Phase
%	Pump Station
%	Engine efing Phase - Pump Station
%	Force Main
0/	Engineering Phase- Force Ma
% %	Pump Station
%	Construction Bidding Phase- Pump Station
/0	
%	<u>Force</u> Maih
%	Construction Biddir
%	Pump Station
%	Construction Phase-Pump Station, Construction Phase-Pu
%	Force Main:
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%	Wet Weather Combined Sever Storage - Phases 1-3 (IRPS)
%	Wet We ather Combined Sewer Storage - Phases 1-3 (IRPS)
	:
%	Project Procurement
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0/.	Consultant develops and Submit Scope and Cost proposal
%	Sometime developes and quomin steple and clost proposal
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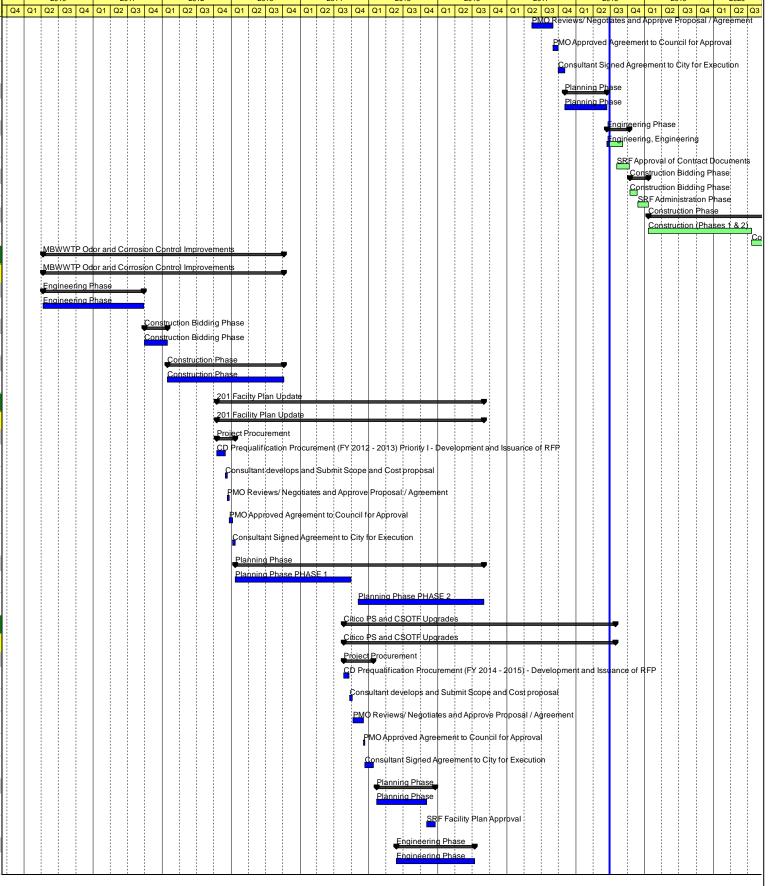




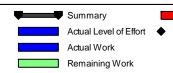


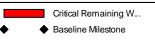


ity ID	Activity Name	Start	Actual Start	Finish	Actual Finish	Duration % Complete
A4555	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-May-17 A	12-May-17	01-Sep-17 A	01-Sep-17	100%
A4560	PMO Approved Agreement to Council for Approval	02-Sep-17 A	02-Sep-17	30-Sep-17 A	30-Sep-17	100%
A4565	Consultant Signed Agreement to City for Execution	01-Oct-17 A	01-Oct-17	03-Nov-17 A	03-Nov-17	100%
				40 1 40 4		
Planning Phas A4570	Planning Phase	03-Nov-17 A 03-Nov-17 A	03-Nov-17 03-Nov-17	13-Jun-18 A 13-Jun-18 A	13-Jun-18 13-Jun-18	100% 100%
A+370	i talling i nase				13-5411-10	
Engineering P A4630	Phase Engineering	14-Jun-18 A 14-Jun-18 A	14-Jun-18 14-Jun-18	12-Oct-18 07-Sep-18		18.6%
A4030	Litymeening	14-5ull-16 A	14-3011-10	07-Зер-18		10.076
A4635	SRF Approval of Contract Documents	07-Aug-18 13-Oct-18		12-Oct-18 18-Jan-19		0% 0%
A4640	Bidding Phase  Construction Bidding Phase	13-Oct-18*		23-Nov-18		0%
A4645	SRF Administration Phase	24-Nov-18		18-Jan-19		0%
Construction		19-Jan-19		20-Jul-21		0%
A4650 A9360	Construction (Phases 1 & 2)	19-Jan-19*		19-Jul-20 20-Jul-21		0%
	Construction (Phase 3) dor and Corrosion Control Improvements	20-Jul-20 12-Apr-10 A	12-Apr-10	07-Oct-13 A	07-Oct-13	100%
	<u> </u>	12-Apr-10 A	12-Apr-10	07-Oct-13 A	07-Oct-13	100%
	Odor and Corrosion Control Improvements	·	·			
Engineering P	Phase Engineering Phase	12-Apr-10 A 12-Apr-10 A	12-Apr-10 12-Apr-10	27-Sep-11 A 27-Sep-11 A	27-Sep-11 27-Sep-11	100%
A4740	Lityllieeting Fliase	12-Api-10 A	12-Api-10	27-3ep-11 A	27-Зер-11	100%
Construction	Bidding Phase	28-Sep-11 A	28-Sep-11	28-Jan-12 A	28-Jan-12	100%
A4750	Construction Bidding Phase	28-Sep-11 A	28-Sep-11	28-Jan-12 A	28-Jan-12	100%
Construction	Phase	29-Jan-12 A	29-Jan-12	07-Oct-13 A	07-Oct-13	100%
A4770	Construction Phase	29-Jan-12 A	29-Jan-12	07-Oct-13 A	07-Oct-13	100%
		18-Oct-12 A	18-Oct-12	01 Son 16 A	01 Son 16	100%
201 Facilty P	<u> </u>			01-Sep-16 A	01-Sep-16	100%
201 Facility	Plan Update	18-Oct-12 A	18-Oct-12	01-Sep-16 A	01-Sep-16	100%
Project Procu		18-Oct-12 A	18-Oct-12	22-Jan-13 A	22-Jan-13	100%
OP1170	CD Prequalification Procurement (FY 2012 - 2013) Priority I - Development and Issuance of RFP	18-Oct-12 A	18-Oct-12	01-Dec-12 A	01-Dec-12	100%
OP1300	Consultant develops and Submit Scope and Cost proposal	02-Dec-12 A	02-Dec-12	11-Dec-12 A	11-Dec-12	100%
OP1310	PMO Reviews/ Negotiates and Approve Proposal / Agreement	12-Dec-12 A	12-Dec-12	21-Dec-12 A	21-Dec-12	100%
OP1320	PMO Approved Agreement to Council for Approval	22-Dec-12 A	22-Dec-12	08-Jan-13 A	08-Jan-13	100%
OP1330	Consultant Signed Agreement to City for Execution	09-Jan-13 A	09-Jan-13	22-Jan-13 A	22-Jan-13	100%
Diameter Direc		22 lon 12 A	22 lon 12	01 Son 16 A	01 Son 16	1009/
Planning Phas OP1180	Planning Phase PHASE 1	23-Jan-13 A 23-Jan-13 A	23-Jan-13 23-Jan-13	01-Sep-16 A 27-Sep-14 A	01-Sep-16 27-Sep-14	100%
	· ·	23-3a11-13 A	25-5411-15	27-3ep-14A	27-3ер-14	100%
OP1200	Planning Phase PHASE 2	05-Nov-14 A	05-Nov-14	01-Sep-16 A	01-Sep-16	100%
Citico PS an	d CSOTF Upgrades	21-Aug-14 A	21-Aug-14	30-Jul-18		96.97%
	nd CSOTF Upgrades	21-Aug-14 A	21-Aug-14	30-Jul-18		96.97%
Project Procu		21-Aug-14 A	21-Aug-14	26-Jan-15 A	26-Jan-15	100%
A1020	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	21-Aug-14 A	21-Aug-14	19-Sep-14 A	19-Sep-14	100%
A1030	Consultant develops and Submit Scope and Cost proposal	20-Sep-14 A	20-Sep-14	06-Oct-14 A	06-Oct-14	100%
A1040	PMO Reviews/ Negotiates and Approve Proposal / Agreement	07-Oct-14 A	07-Oct-14	03-Dec-14 A	03-Dec-14	100%
	., , ,					
A1050	PMO Approved Agreement to Council for Approval	04-Dec-14 A	04-Dec-14	09-Dec-14 A	09-Dec-14	100%
A1060	Consultant Signed Agreement to City for Execution	10-Dec-14 A	10-Dec-14	26-Jan-15 A	26-Jan-15	100%
Planning Phas		11-Feb-15 A	11-Feb-15	17-Dec-15 A	17-Dec-15	100%
A1200	Planning Phase	11-Feb-15 A	11-Feb-15	01-Nov-15 A	01-Nov-15	100%
A1210	SRF Facility Plan Approval	02-Nov-15 A	02-Nov-15	17-Dec-15 A	17-Dec-15	100%
Engineering P	Phase	27-May-15 A	27-May-15	13-Jul-16 A	13-Jul-16	100%
A1300	Engineering Phase	27-May-15 A	27-May-15	13-Jul-16 A	13-Jul-16	100%
			-			









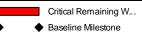




Activity ID		Activity Name	Start	Actual Start	Finish	Actual Finish	Duration %	2	2010	2011	201	2	2013		2014	201		2016		2017	2018		2019	2020
			44 1:140 4	44 1:140	00 N 40 A	00 Nov. 40	Complete	Q4 Q1 Q2	Q3 Q4	Q1 Q2 Q3 Q4	4 Q1 Q2	Q3 Q4 Q	1 Q2 Q3	Q4 Q1 Q2	2 Q3 Q4	Q1 Q2	Q3 Q4	Q1 Q2 Q	3 Q4 Q1 Q2	Q3 Q4 Q	1 Q2 Q3	Q4 Q1	Q2 Q3	Q4 Q1 Q2 Q3
	onstruction Bide	ding Phase Construction Bidding Phase	14-Jul-16 A 14-Jul-16 A	14-Jul-16 14-Jul-16	30-Nov-16 A 30-Nov-16 A		100%											C	onstruction Bide	ling Phase				
^	1300	Constitution Bluding Friese	14-001-107	14-301-10	30-140V-10 A	30-1404-10	10078											-	<del>                                      </del>					
A <sup>2</sup>	1600	SRF Administration Phase	30-Nov-16 A	30-Nov-16	30-Nov-16 A	30-Nov-16	100%												SRFAdmi	nistration Pha	se			
Co	onstruction Pha	ase	01-Dec-16 A	01-Dec-16	30-Jul-18		89.38%												Construct	ion Phase				
		Construction Phase	01-Dec-16 A	01-Dec-16	30-Jul-18		89.38%												Construct	on Phase, Co	nstruction F	hase		
			00 1:145 4	00 141.45	00 A 40		00.040/										MRWWTE	Detritors R	ehah					
	WWTP Detri		02-Jul-15 A	02-Jul-15	02-Aug-18		96.61%									T	- :	- : :						
ME	BWWTP Det	ritors Rehab	02-Jul-15 A	02-Jul-15	02-Aug-18		96.61%									T .		Detritors R	enab		<del></del>		:	
	anning Phase		02-Jul-15 A		10-Mar-16 A		100%										Planning F Planning F							
A:	3000	Planning Phase	02-Jul-15 A	02-Jul-15	10-Jan-16 A	10-Jan-16	100%									1	Planning	nase						
A:	3010	SRF Facitlity Plan Approval	17-Jan-16 A	17-Jan-16	10-Mar-16 A	10-Mar-16	100%											SRF Facitli	y Plan Approva	1				
	ata sasta a Disa-		05-Feb-16 A	05 Feb 16	12-Dec-16 A	12-Dec-16	100%											Engineerii	ng Phase					
	ngineering Phas 3100	Engineering Phase	05-Feb-16 A	05-Feb-16	27-Oct-16 A	27-Oct-16	100%											Engineeri					. ! !	
1			00.00.00	00.00.00	21 000 1071	2. 00. 10	10070																	
A	3120	TDEC Approval of Contract Documents	28-Oct-16 A	28-Oct-16	12-Dec-16 A	12-Dec-16	100%												IDEC Appro	oval of Contra	ct Documer	rits		
Co	onstruction Bide	ding Phase	13-Dec-16 A	13-Dec-16	25-Mar-17 A	25-Mar-17	100%												Construc	tion Bidding P	hase			
		Construction Bidding Phase	13-Dec-16 A	13-Dec-16	25-Mar-17 A	25-Mar-17	100%													tion Bidding P				
C	onstruction Pha	SCA	26-Mar-17 A	26-Mar-17	02-Aug-18		92%												_Cor	struction Pha	se			
		Construction Phase	26-Mar-17 A		02-Aug-18		92%													struction Pha		ction Phas	e	
																	Train and	D			District.			
Fria	ır's Branch -	-South Chick Creek 5 Interceptor Rehab	16-Sep-15 A	16-Sep-15	08-May-19		77.51%										-		uth Chick Creel	-	1		7	
Fri	iar's Branch	-South Chick Creek 5 Interceptor Rehab	16-Sep-15 A	16-Sep-15	08-May-19		77.51%										Friar's	Branch-\$o	uth Chick Creek	5 Interceptor	Rehab		<b>-</b>	
Pla	anning Phase		16-Sep-15 A	16-Sep-15	24-Mar-16 A	24-Mar-16	100%											ng Phase						
Α	4000	Planning Phase	16-Sep-15 A	16-Sep-15	15-Feb-16 A	15-Feb-16	100%										Planni	ng Phase						
A	4020	SRF Facitlity Plan Approval	16-Feb-16 A	16-Feb-16	24-Mar-16 A	24-Mar-16	100%											SRF Facil	lity Plan Approv	al				
			05.11 40.1				4000/											7 1	ering Phase					
	ngineering Phas 4100		25-Mar-16 A 25-Mar-16 A	25-Mar-16 25-Mar-16	17-Nov-17 A 23-Sep-17 A		100%												ering Phase	<del>     </del>				
A <sup>2</sup>	4100	Engineering Phase	25-Mai-16 A	25-IVIAI-16	23-Sep-17 A	23-Sep-17	100%																	
A	4120	SRF Approval of Contract Documents	24-Sep-17 A	24-Sep-17	17-Nov-17 A	17-Nov-17	100%													SRF Api	proval of Co	ntract Do	cuments	
Co	onstruction Bide	ding Phase	18-Nov-17 A	18-Nov-17	13-May-18 A	13-May-18	100%													Cons	i str <u>ucti</u> on Bio	lding Phas	e	
		Construction Bidding Phase	18-Nov-17 A	18-Nov-17	13-May-18 A	•	100%													Cons	struction Bio	lding Phas	;e	
	4220	SRF Administration Phase	14-Feb-18 A	14-Feb-18	45 May 40 A	15-Mar-18	4000/													$\top$	SRFAdmini	stration Pl	hase	
A <sup>2</sup>	4220	SRF Administration Phase	14-FED-18 A	14-Feb-18	15-Mar-18 A	15-Mar-18	100%																	
	onstruction Pha		22-Mar-18 A	22-Mar-18	08-May-19		13.06%														Construct			. L.
A4	4300	Construction Phase	22-Mar-18 A	22-Mar-18	08-May-19		13.06%														Construct	ion Phase	Constructi	tion Phase
Sou	ıth Chick PS	S Phase II/Spring Creek PS Upgrades	21-Aug-14 A	21-Aug-14	28-Aug-18		94.55%								South	Chick PS P	hase II/Sr	oring Creek	P\$ Upgrades				:	
		S Phase II and Spring Creek PS Upgrades	21-Aug-14 A	21-Aug-14	28-Aug-18		94.55%								South	Chick PS P	hase II ar	nd Spring C	reek PS Upgrad	les			:	
			21-Aug-14 A	21-Aug-14	05-May-15 A	05-May-15	100%								. •	t Procurem							:	
	oject Procuremo 2000	CD Prequalification Procurement (FY 2014 - 2015) - Development and Issuance of RFP	21-Aug-14 A 21-Aug-14 A		19-Sep-14 A		100%											ement (FY 2	2014 - 2015) - D	evelopment a	ınd İssuanc	e of RFP		
		· · · · · · · · · · · · · · · · · · ·		-	·										1 7	1 1 1	1	- 1 1						
A2	2020	Consultant develops and Submit Scope and Cost proposal	20-Sep-14 A	20-Sep-14	13-Oct-14 A	13-Oct-14	100%								Con	suitant deve	elops and	Submit Sco	pe and Cost pro	oposar				
A2	2030	PMO Reviews/ Negotiates and Approve Proposal / Agreement	14-Oct-14 A	14-Oct-14	26-Mar-15 A	26-Mar-15	100%								PN	O Reviews/	/Negotiat	es and Appi	ove Proposal /	Agreement				
Α:	2040	PMO Approved Agreement to Council for Approval	27-Mar-15 A	27-Mar-15	31-Mar-15 A	31-Mar-15	100%									РМО	Approved	Agreement	to Council for A	pproval				
,,,	2040	T MO Approved Agreement to Council 1817 Approved	Zi Wai 1070	27 Mai 10	01 Wai 1071	OT Mai 10	10070																	
A2	2050	Consultant Signed Agreement to City for Execution	01-Apr-15 A	01-Apr-15	05-May-15 A	05-May-15	100%									Const	ultant Sigi	ned Agreem	ent to City for E	xecution				
Pl	anning Phase		06-May-15 A	06-May-15	12-Feb-16 A	12-Feb-16	100%										nning Pha							
		Planning Phase	06-May-15 A		12-Feb-16 A		100%										nning Pha						,	
	aginossina Pha-		24-Feb-16 A	24-Feb-16	03-Aug-16 A	03-Aug 16	100%											Engineer	ing Phase					
	ngineering Phase 2300	Engineering Phase			20-Jun-16 A		100%												ing Phase					
A2	2400	SRF Approval of Contract Documents	21-Jun-16 A	21-Jun-16	03-Aug-16 A	03-Aug-16	100%											SR	F Approval of C	ontract Dodun	nents			
Co	onstruction Bidd	ding Phase	04-Aug-16 A	04-Aug-16	24-Oct-16 A	24-Oct-16	100%											<u>ي</u>	Construction Bio	Iding Phase				
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Activity ID	Activity Name	Start	Actual Start	Finish Actual Finish	Duration %	2010 2011 2012 2013 2014 2015	2016 2017 2018 2019 2020
					Complete	Q4         Q1         Q2         Q3         Q4         Q1<	Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3 Q4 Q1 Q2 Q3
A2500	Construction Bidding Phase	04-Aug-16 A	04-Aug-16	27-Sep-16 A 27-Sep-16	100%		Construction Bidding Phase
A2600	SRF Administration Phase	28-Sep-16 A	28-Sep-16	24-Oct-16 A 24-Oct-16	100%		SRF Administration Phase
Construction	Phase	27-Oct-16 A	27-Oct-16	10-Apr-17 A 10-Apr-17	100%		Construction Phase
A2700	Construction Phase	27-Oct-16 A	27-Oct-16	10-Apr-17 A 10-Apr-17	100%		Construction Phase
Additional Eva	aluation	13-Feb-16 A	13-Feb-16	28-Aug-18	0%		Additional Evaluation
A8980	S. Chick PS Evaluation	13-Feb-16 A	13-Feb-16	28-Aug-18	0%		S. Chick PS Evaluation, S. Chick PS Evaluation
A8990	Spring Creek PS Evaluation	13-Feb-16 A	13-Feb-16	28-Aug-18	0%		Spring Creek PS Evaluation, Spring Creek PS Evaluation
Carter Street	Sewer Rehab	07-Sep-12 A	07-Sep-12	28-Dec-16 A 28-Dec-16	100%	Carter Street Sewer Rehab	<del>                                     </del>
Carter Stree	et Sewer Rehabilitation	07-Sep-12 A	07-Sep-12	28-Dec-16 A 28-Dec-16	100%	Carter Street Sewer Rehabilitation	
Project Procu		07-Sep-12 A	07-Sep-12	07-Sep-12 A 07-Sep-12	0%	Project Procurement	
Al1130	Previously Procured Consent Decree Projects	07-Sep-12 A	07-Sep-12	07-Sep-12 A 07-Sep-12	100%	Previously Procured Consent Decree Projects	
Planning Phas		13-Jan-16 A	13-Jan-16	19-Jan-16 A 19-Jan-16	100%		Planning Phase
Al1140	Planning Phase	13-Jan-16 A		15-Jan-16 A 15-Jan-16	100%		Planning Phase
Al1150	SRF Facility Plan Approval	16-Jan-16 A	16-Jan-16	19-Jan-16 A 19-Jan-16	100%		SRF Facility Plan Approval
Engineering P	rhase	13-Jan-16 A	13-Jan-16	01-Apr-16 A 01-Apr-16	100%		Engineering Phase
Al1160	Engineering	13-Jan-16 A	13-Jan-16	18-Feb-16 A 18-Feb-16	100%		Engineering
Al1170	SRF Approval of Contract Documents	19-Feb-16 A	19-Feb-16	01-Apr-16 A 01-Apr-16	100%		SRF Approval of Contract Documents
Construction	Bidding Phase	04-Apr-16 A	04-Apr-16	21-Jun-16 A 21-Jun-16	100%		Construction Bidding Phase
Al1180	Construction Bidding Phase	04-Apr-16 A	04-Apr-16	21-Jun-16 A 21-Jun-16	100%		Construction Bidding Phase
Al1190	SRF Administration Phase	17-Jun-16 A	17-Jun-16	17-Jun-16 A 17-Jun-16	100%		\$RFAdministration Phase
Construction	Phase	24-Aug-16 A	24-Aug-16	28-Dec-16 A 28-Dec-16	100%		Construction Phase
Al1200	Construction Phase	24-Aug-16 A	24-Aug-16	28-Dec-16 A 28-Dec-16	100%		Construction Phase
MBWWTP C	ontrol Room Upgrade	30-Nov-15 A	30-Nov-15	24-Dec-18	83.58%		MBWWTP Control Room Upgrade
MBWWTP (	Control Room Upgrades	30-Nov-15 A	30-Nov-15	24-Dec-18	83.58%		MBWWTP Control Room Upgrades
Project Execu	tion	30-Nov-15 A	30-Nov-15	04-Jul-18	96.82%		Project Execution
A4390	Project Execution	30-Nov-15 A	30-Nov-15	04-Jul-18	96.82%		Project Execution, Project Execution
Planning Phas	Se Control of the Con	01-Dec-15 A	01-Dec-15	23-Nov-16 A 23-Nov-16	100%		Planning Phase
A4400	Planning	01-Dec-15 A	01-Dec-15	23-Nov-16 A 23-Nov-16	100%		Planning
Engineering P	hase	05-Oct-16 A	05-Oct-16	15-May-17 A 15-May-17	100%		Engineering Phase
A4410	Engineering	05-Oct-16 A	05-Oct-16	15-May-17 A 15-May-17	100%		Engineering
Construction	Bidding Phase	16-May-17 A	16-May-17	22-Dec-17 A 22-Dec-17	100%		Construction Bidding Phase
A4420	Construction Bidding Phase	16-May-17 A	16-May-17	22-Dec-17 A 22-Dec-17	100%		Construction Bidding Phase
Construction	Phase	23-Dec-17 A	23-Dec-17	24-Dec-18	33.83%		Construction Phase
A4430	Construction Phase	23-Dec-17 A	23-Dec-17	24-Dec-18	33.83%		Construction Phase Construction Phase





