



Verification	Originator	Approved	Issued
Initials	TH	ST	ST
Date	09/26/2014	12/15/2014	12/15/2014

Title: COFTL-GTL-ED-4.3.3-5 Objectives, Targets and Programs Action Plan-Wastewater Discharge

Document Name: Wastewater Discharge Hazard Prevention	Facility Affected: GTL Wastewater Plant
Start Date: March 1, 2014	Relevant Process: Preventing wastewater discharges
Date Fully Completed: April 30, 2023	Related Significant Aspect or Legal and Other Requirement: Wastewater Discharge
1.0	Person Responsible for Overall Action Plan: Regional Wastewater Facility Manager
2.0	Goal Statement: To ensure the integrity of the wastewater piping and injection wells in efforts of preventing a wastewater spill per the Renewal and Replacement Plan.
3.0	Objective: Replace old inadequate piping and refurbish existing injection wells to prevent any compromise in integrity.
4.0	Measurable Target and completion date: <ol style="list-style-type: none"> 1. Pretreatment Bldg. piping and wet well repair by November 2015. 2. Reactors 1 & 2 piping analysis/replacement and structural repair by January 2018. 3. Batteries 1, 2, 3 piping analysis/replacement and structural repair by August 2020. 4. Perform analysis on underground and above ground piping and replace concrete piping with ductile iron piping by April 2022.
5.0	Strategy: <ol style="list-style-type: none"> 1. Refurbish old concrete pipe (PCCP) with replacement or lining. 2. Refurbish wastewater channels and chambers.



3. Develop preventative maintenance and inspection plan.

6.0 Program Plan

Task	Responsible Individual	Implementation Schedule	Date Task Completed	Comments
Target 1: Analysis of pretreatment piping, influent chambers/wells and effluent chambers				
1. Use City staff to Conduct thorough analysis on exposed piping and wastewater chambers within the bldg.	Senior Project Manager Engineering	02/28/14-05/16/14	05/16/14	Completed
2. Review analysis report	Regional Wastewater Facility Manager and GTL Team	05/16/14-05/28/14	05/28/14	Completed
3. Determine priorities, feasibility, and pricing of repair.	Senior Project Manager Engineering	03/16/14-05/01/14	05/01/14	Completed
4. Design scope of work/plan for repairs without disrupting operations	Regional Chief Wastewater Operator	03/01/14-09/19/14	09/19/14	Completed
5. Engineering Design	Senior Project Manager Engineering	03/01/14-09/19/14	09/19/14	Completed
6. Procurement process	Senior Project Manager Engineering and Procurement	09/24/14-1/31/15	4/27/15	Bid document opened on 11/7/14. Bid proposal currently being evaluated. Signed contracts 3/5/15. NTP 4/27/15.



Task	Responsible Individual	Implementation Schedule	Date Task Completed	Comments
7. Proceed with repair	Senior Project Manager Engineering	2/02/15-10/31/15	12/2015	Completed
8.				
Target 2: Reactors 1 & 2 piping analysis/replacement and structural repair				
1. Engineering Design	Senior Project Manager Engineering	July 2012-5/31/16	06/01/2016	The drawings and specifications were separated into various phases in order to bid the project. The plans and specs were provided to the procurement division in order to prepare the bid package.
2. Procurement process	Senior Project Manager Engineering and Procurement	06/01/16-9/20/16		
3. Proceed with repair	Senior Project Manager Engineering	9/21/16-9/30/17		
4. Create maintenance plan.	Regional Chief Wastewater Operator	10/01/17-10/31/17		



Task	Responsible Individual	Implementation Schedule	Date Task Completed	Comments
Target 3: Batteries 1, 2, 3 piping analysis/replacement and structural repair				
1. Use city staff to perform structural analysis.	Senior Project Manager Engineering	12/1/17-02/01/18		
2. Review report.	Regional Wastewater Facility Manager and GTL Team	02/02/18-02/16/18		
3. Design plan/scope of work to be done with minimal interruptions in operations	Regional Chief Wastewater Operator	02/17/18-03/17/18		
4. Engineering Design	Senior Project Manager Engineering	3/18/18-4/18/18		
5. Procurement process	Senior Project Manager Engineering and Procurement	4/19/18-10/15/19		
6. Proceed with repair	Senior Project Manager Engineering	10/16/19-8/16/20		
7. Create Maintenance plan	Regional Chief Wastewater Operator	8/17/20-8/30/20		



Task	Responsible Individual	Implementation Schedule	Date Task Completed	Comments
Target 4: Replace all underground piping in open space with ductile iron (PCCP project)				
1. Analyze existing piping using city staff.	Senior Project Manager Engineering	9/1/20-9/30/20		
2. Review reports.	Regional Wastewater Facility Manager and GTL Team	10/1/20-10/30/20		
3. Design scope of work/plan to perform work while keeping operations online.	Regional Chief Wastewater Operator	11/1/20-11/30/20		
4. Engineering Design	Senior Project Manager Engineering	12/1/20-1/01/21		
5. Procurement process	Senior Project Manager Engineering and Procurement	1/2/21-4/31/22		
6. Proceed with repair	Senior Project Manager Engineering	5/1/22-3/31/23		
7. Create Maintenance plan	Regional Chief Wastewater Operator	4/1/23-4/30/23		
7.0	Monitoring and Measurement Activities and Frequency: 1. Chambers will be inspected every 5 years after renovation.			



Task	Responsible Individual	Implementation Schedule	Date Task Completed	Comments
				2. Maintain (exercise) related valves annually as per job assignment for Wastewater Operators.
8.0				Reference to Related Procedures/Work Instructions/Tracking Spreadsheets: ESMS Competency, Training and Awareness Matrix
9.0				Training Needs: 1. As identified in COFL-GTL-ED-4.4.2-3 Annual ESMS Training Plan Wastewater Discharge Job-Specific Training.
10.0				Environmental Policy Commitment: Practice "Sustainable Triple Bottom Line" that considers the environment, economy and social equity in aspects of City's decision-making plans. Educate our employees by empowering them through training to promote environmental stewardship and sustainability.
11.0				Importance Relative to other Objective & Target Action Plans: This preventative plan for wastewater discharge hazards complies with initiative to prevent any environmental accidents/contamination from occurring.
12.0				Comments regarding current progress toward completion: Starting project.
13.0				Management Review Dates: 8/31/15, 2/16/16
14.0				Has Senior Management approved the resources necessary to implement this Objective and Target Action Plan? Per CIP Budget
15.0				Date of Senior Management approval: May 2015

16.0 Revision Table

Rev. No.	Date	Revised by	Description
001	3/16/15	Pat Long	Update. Dates moved back to account for CCNA process during procurement.
002	5/13/15	Pat Long	Update. Revised dates to allow time for funding increased costs.



Rev. No.	Date	Revised by	Description
003	8/7/15	Pat Long	Update of target 2.
004	7/21/16	Daniel Lizarazo	Updates of various targets – engineering projects