

Phosphorus Removal and Digester Improvements Project

August 2018

Construction Update Report

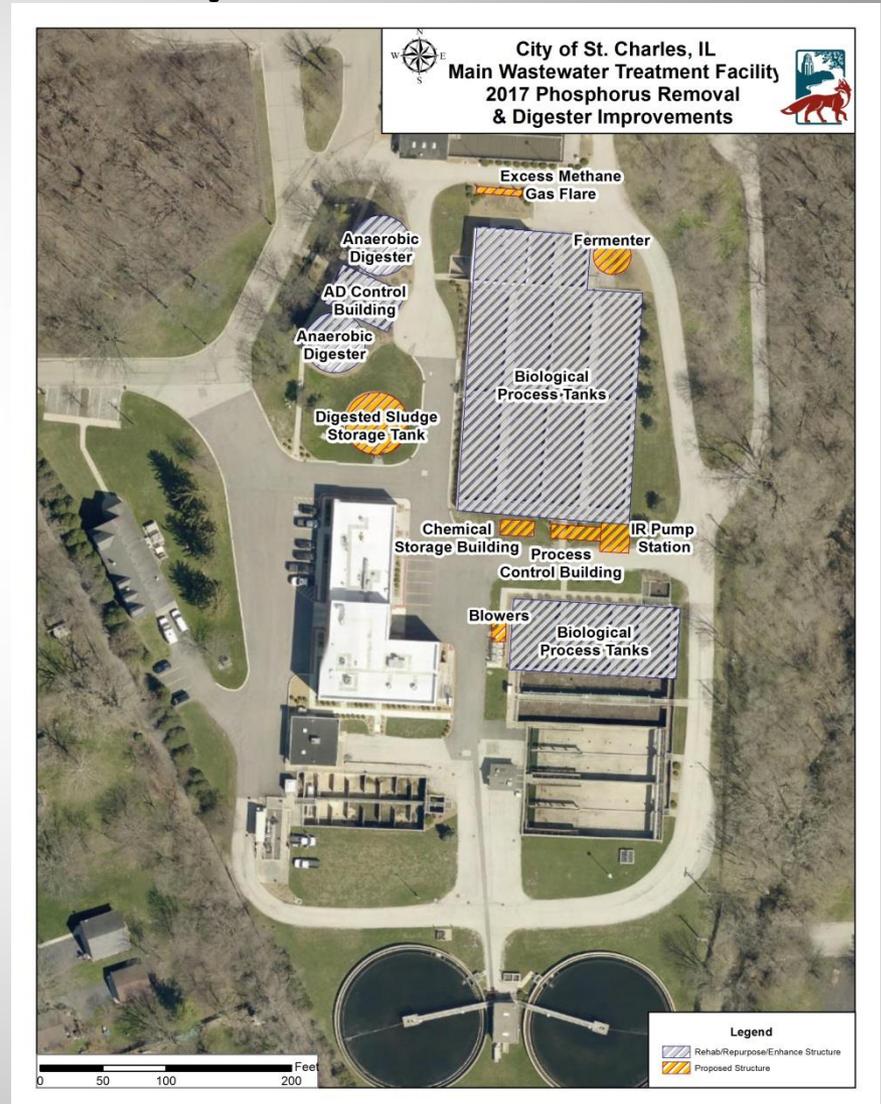
Construction Update

- Construction Contractor: IHC Construction Companies
- Project Schedule:
 - ~~Commence Construction : September 27, 2017~~
 - ~~Chemical Feed System Online : June 1, 2018~~
 - Substantial Completion : February 6, 2019
 - Final Completion : March 8, 2019
- Construction Contract : \$13,294,896
- Approved Contract Change Orders: \$584.07
- Pending Contract Change Order: None
- Amount Billed to Date: \$7,179,924
- Construction Percent Complete: 55%

Construction Update

Current Construction Activity

- South Anaerobic Digester
- AD Control Building
- Digested Sludge Tank
- Fermenter
- IR Pump Station
- Chemical Storage Building
- Blowers
- Biological Aeration Tanks
- Underground Piping



Construction Update Topic #1

- Electrical Motor Control Panel Manufacture Delays
 - Issue:
 - Motor Control panels are currently delayed in manufacturing at Texas Plant
 - Reason:
 - Hurricane Harvey & Irma
 - Increase Demand and Texas Manufacture Plant Damage and Cause for Delays
 - Note: Federal Funded Project Requires American Made
 - Impacts:
 - EPA June Chemical Feed Deadline
 - Overall Project Schedule
 - Solution:
 - EPA will extend June Deadline we are not the only construction project faced with this challenge
 - Overall Project Schedule: Waiting on true delivery of equipment then contractor will review his overall schedule
 - July Update: **3 of 3 Motor Control Panels Received Total Delay in Equipment 90 Days**
 - Council Action:
 - **Change Order Number 3**

Construction Update Topic #2

- Holes and Metal Loss in I-Beam
 - Issue:
 - Structural Issues on Catwalk over Digester
 - Reason:
 - Sand blasting uncovered holes in I-beam
 - Impacts:
 - Additional Scope of Work for Contractor
 - Solution:
 - Contractor will perform work on time and material
 - Council Action:
 - None at this time



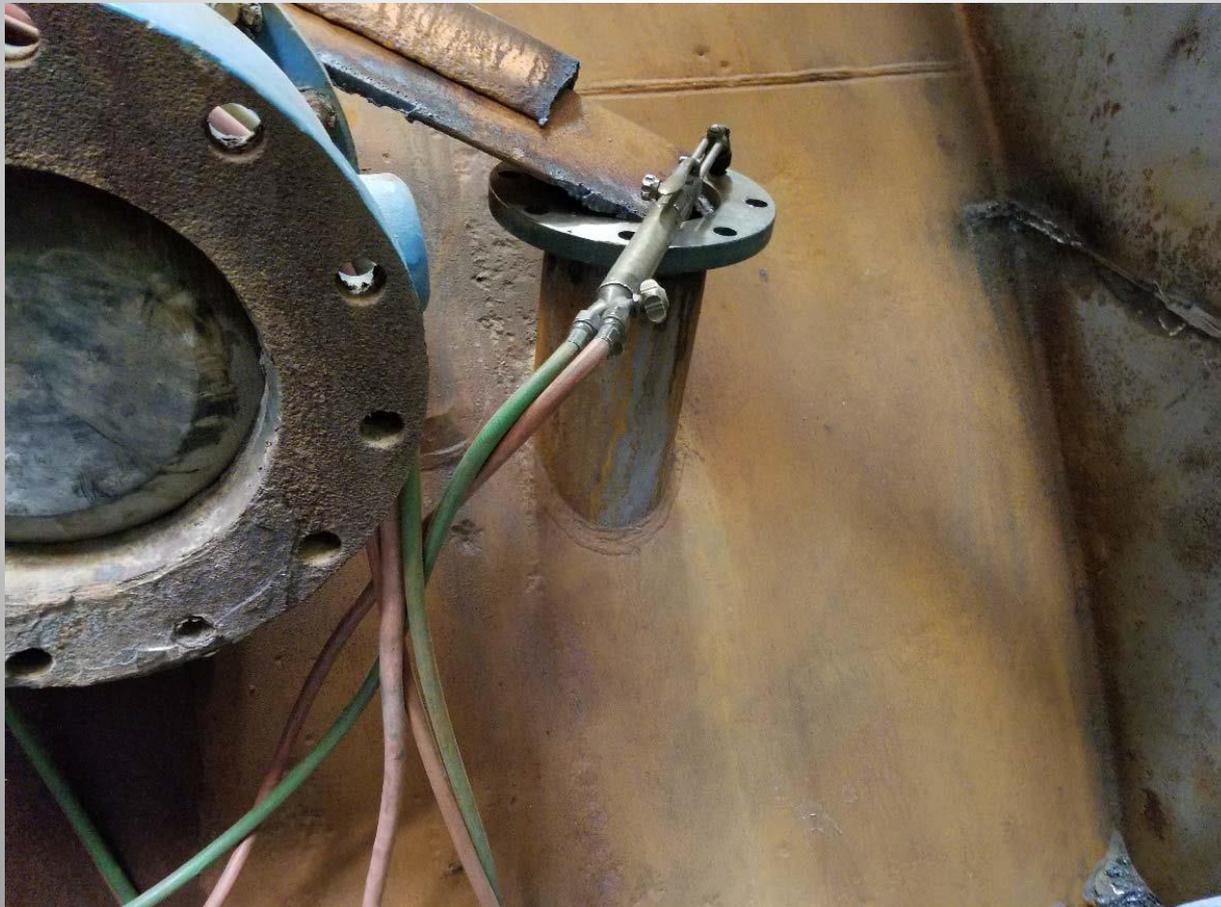
South Anaerobic Digester

Repairs Started on Effluent Box



South Anaerobic Digester

- New Digester Gas Pipe



Upper Aeration Tanks

Baffle Wall Installed



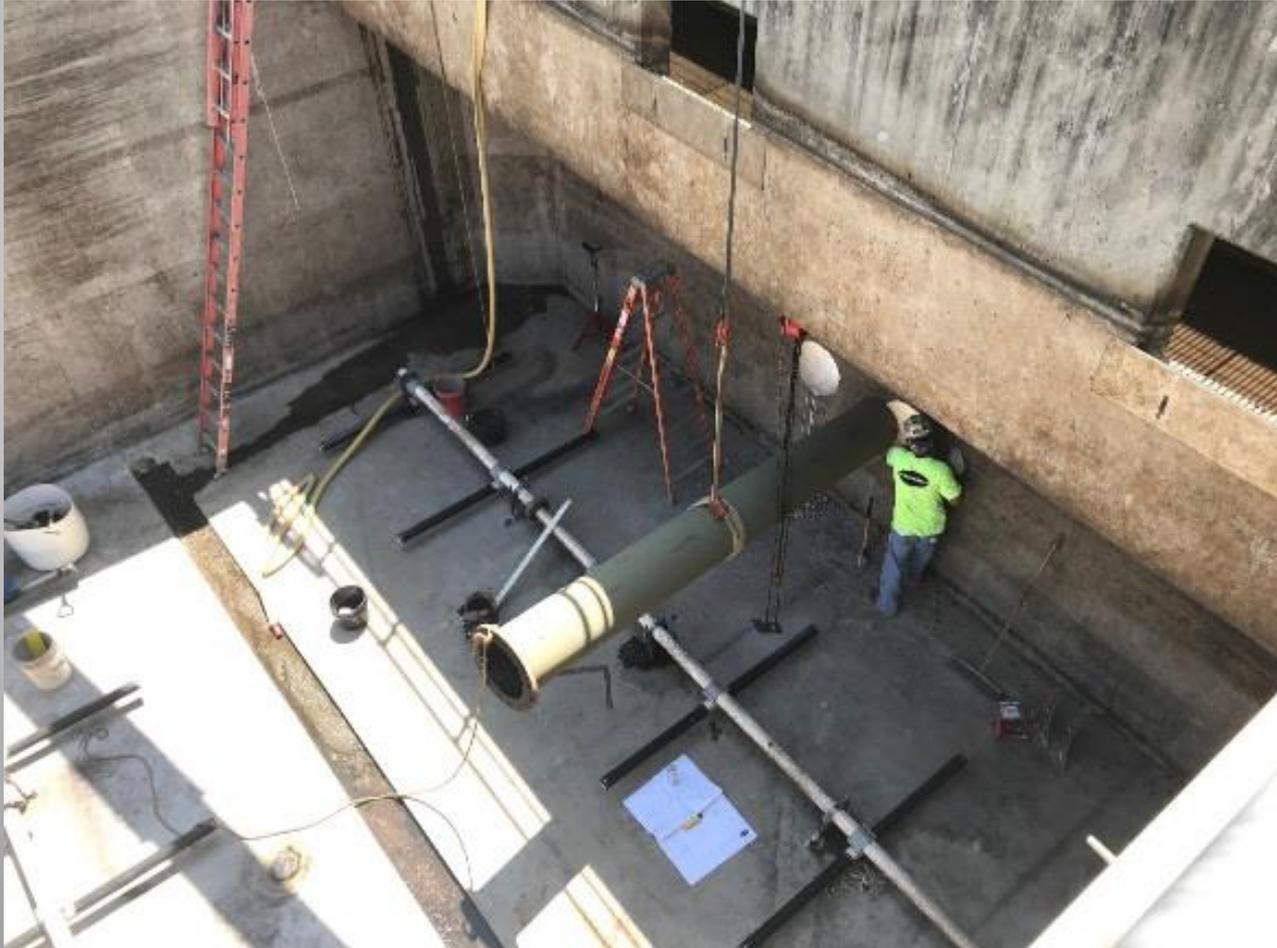
Sludge Storage Tank

- Cover Assembly Started



Upper Aeration Tanks

- Pipe Installation



Upper Aeration Tanks

- Saw Cutting for Mixer Bridges



Upper Aeration Tanks



Lowering Mixer Bridges into place



IR Pump Station

- Building Station Walls



IR Pump Station Building



16" Pipe connection Between Pump Station and Aeration Tanks

Underground Work



HDPE Digester Gas Line



Site Page

- Phosphorus Removal & Digester Improvements Project Page-
 - <https://www.stcharlesil.gov/projects/2017-phosphorus-removal-and-digester-improvements>