

Phosphorus Removal and Digester Improvements Project

July 2018

Construction Update Report

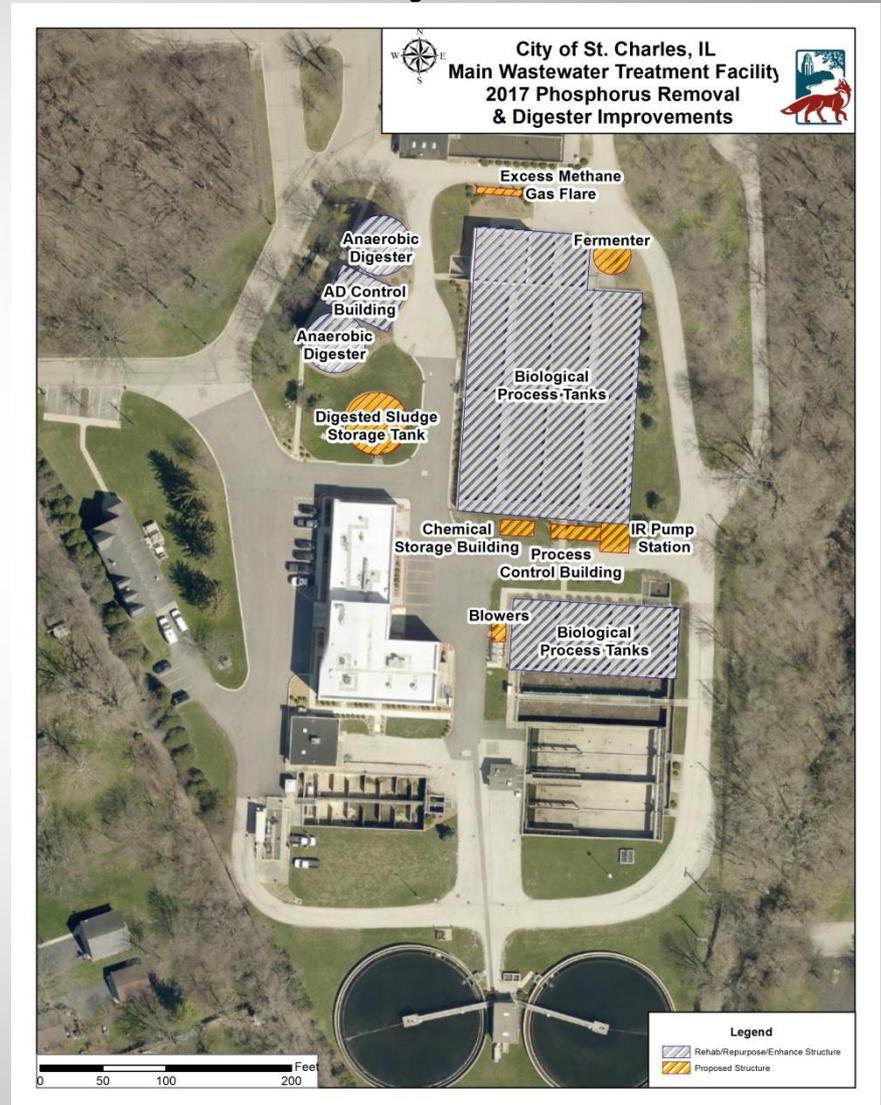
Construction Update July 2018

- Construction Contractor: IHC Construction Companies
- Project Schedule:
 - ~~Commence Construction : September 27, 2017~~
 - Chemical Feed System Online : June 1, 2018 - Pending
 - 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: \$5,850,718
- Construction Percent Complete: 50%

Construction Update July 2018

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

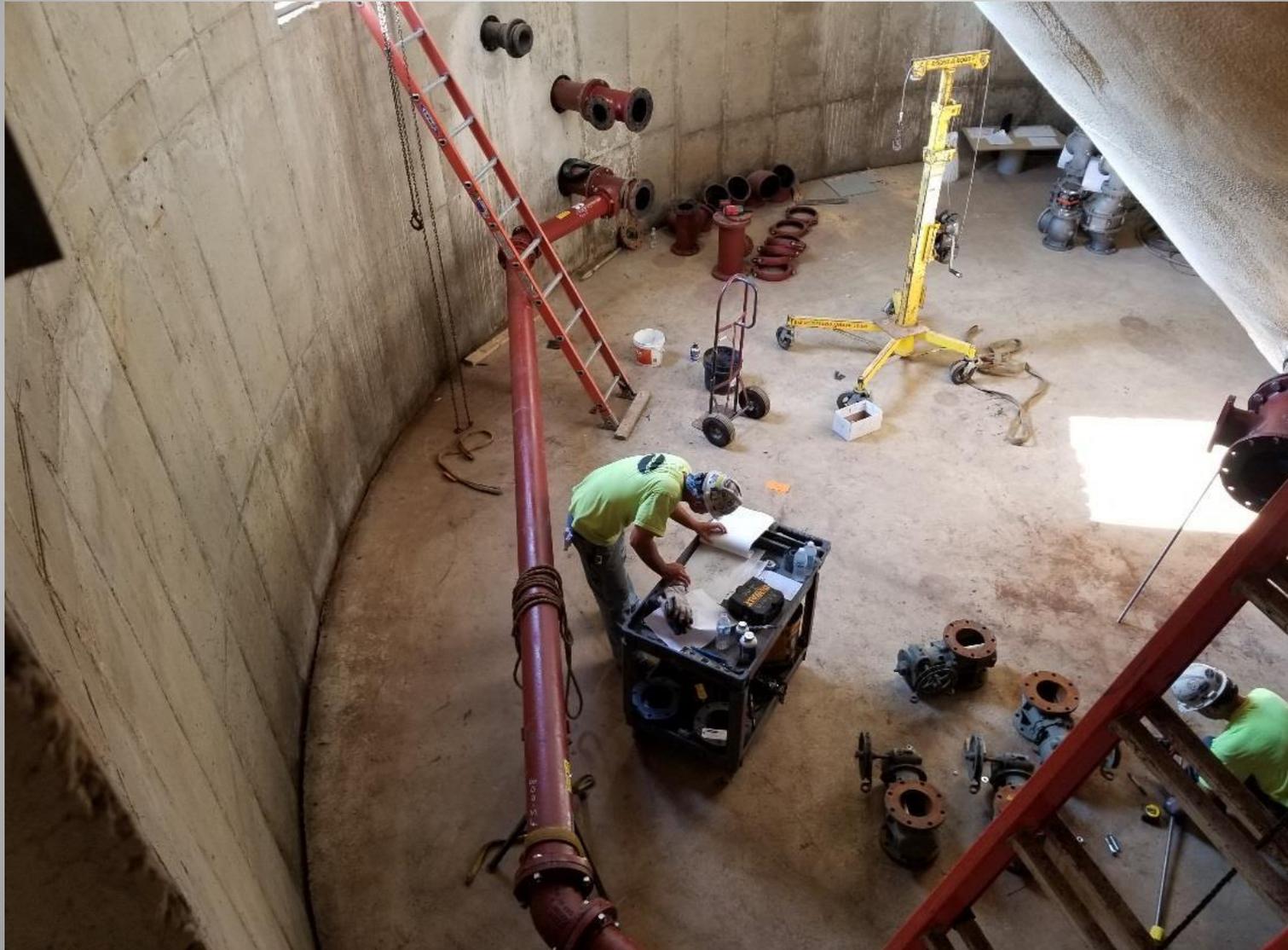
- Electrical Motor Control Panel Manufacture Delays
 - Issue:
 - Motor Control panels are currently delayed in manufacturing at Texas Plant
 - Reason:
 - Hurricane Harvey & Irma
 - Increase Demand and Texas Manufacture Plant Damage and Cause for Delays
 - Note: Federal Funded Project Requires American 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:
 - None at this time – **Working With Contractor on Schedule Impacts**

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



Digester Pump Room



Lower Aeration Work



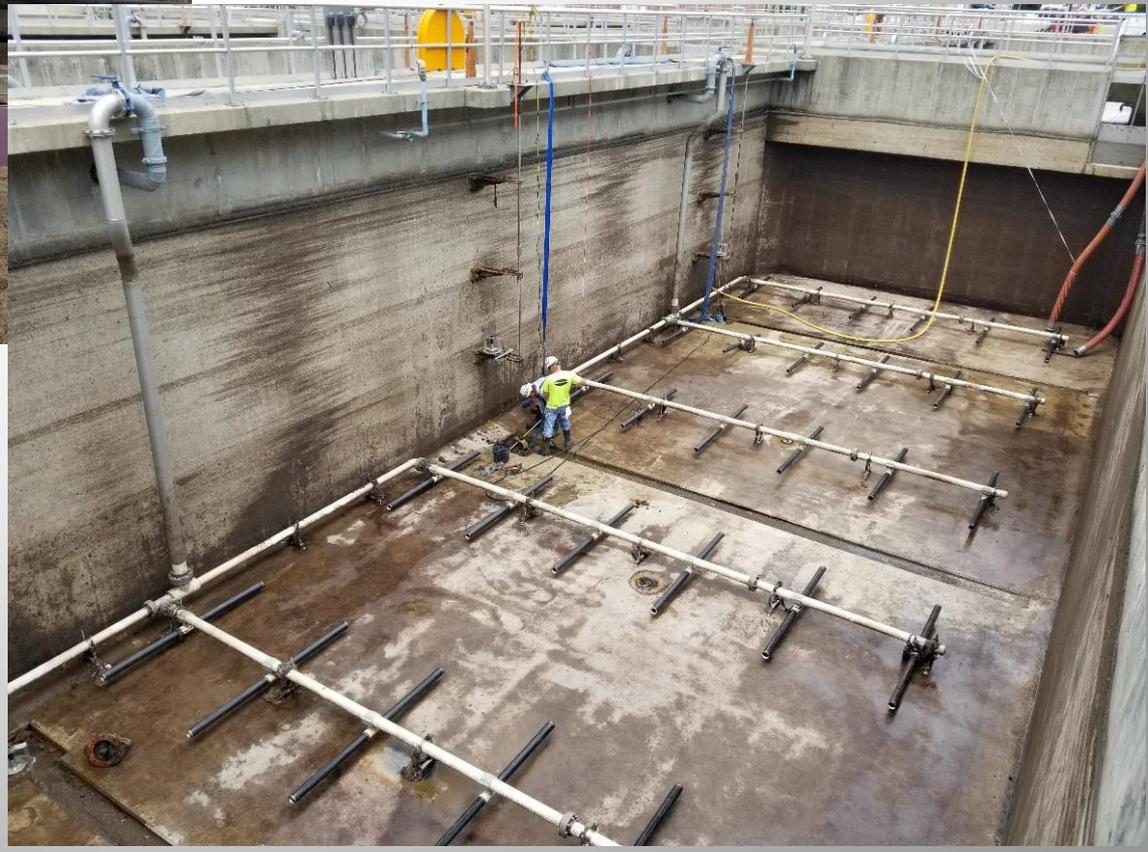
Work Completed: Refilling Basins



Upper Aeration Tanks



Work Starting on the Upper Tanks



Upper Aeration Tanks

Mixer Bridge Supports



IR Pump Station

- Internal Pipe installation



Process Control Building



Ferric Chloride Tanks



Underground Work



36" Tee Tie-in

HDPE Digester Gas Line



Site Page

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