

17-140-3P, Digester Rehabilitation and Gas Piping Replacement, SWRP

Construction Contract 17-140-3P, Digester Rehabilitation and Gas Piping Replacement, SWRP, is being financed by the Clean Water State Revolving Fund (SRF), SRF Loan No. L172130. The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. SRF programs operate in each state to provide communities the resources necessary to build, maintain, and improve the infrastructure that protects one of our most valuable resources: water.

Service Area: Stickney

Location: Stickney Water Reclamation Plant, 6001 W. Pershing Road, Cicero, IL 60804

Engineering Consultant: In-house Design

General Contractor: IHC Construction Companies, LLC

Contract Award Amount: \$13,725,000.00

Award Date: November 21, 2019

Contract Duration: 730 Calendar Days

Project Description: The work will include rehabilitation of the digester covers and tank walls. Digester gas piping will be rehabilitated or replaced as required and the mixing system components will be rehabilitated to a working condition in Digesters 1 through 12. To access the work all inorganic heavy solids which have accumulated will be removed. Also, the digester gas waste gas burners will be rehabilitated.

Project Justification: Anaerobic digesters accumulate dense inorganic solids through the years of operation which reduces the usable volume of the digester and requires periodic draining and cleaning. Recent work by the Maintenance & Operations Department uncovered extensive fouling of the existing digester gas piping. Remediation is required to ensure the proper conveyance of the additional digester gas expended from the conversion of the Imhoff Tanks to primary settling tanks.

