

## TARP Pump #8 Rehabilitation, MSPS

**Project Number:** 02-111-3M

**Service Area:** Stickney

**Location:** Mainstream Pumping Station

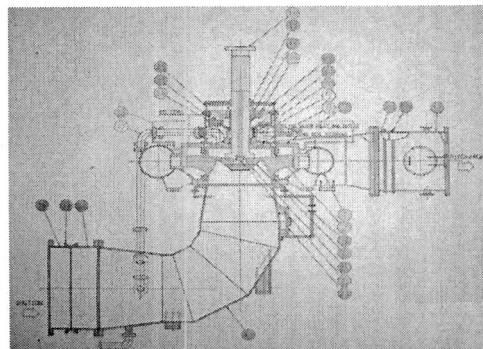
**Engineering Consultant:** In-house design

**General Contractor:** To be determined

**Estimated Construction Cost:** \$4,500,000

**Contract Award Date:** March 1, 2015\*

**Substantial Completion Date:** December 26, 2015\*



**Project Description:** The purpose of this project is to completely overhaul the pump and motor of main sewage pump No. 8 in the north pump house of the Mainstream Pumping Station. Also, the new inflatable seal design utilized on new pumps No. 2 and No. 6 will be installed on pump No. 8. This contract will serve as the model for the overhaul of the other five original installations.

**Project Justification:** The complete overhaul of the pump and motor involves the installation of new parts and current technology components, which will reduce the maintenance labor required for both pieces of equipment and improve reliability. The new inflatable seal design will increase the life of the mechanical seal and decrease leakage. The pump and motor will operate more efficiently by pumping more liquid in less time, leading to reduced electricity usage to power the pump. The overhaul will extend the useful life of the pump and motor, which have been in service since May 1985.

**Project Status:** This project is being designed.

\*Information shown is estimated.