

Municipal Wastewater

Date Completed:

2014

Construction Cost:

\$21.2 Million

Client or Owner's Rep:

Mr. Robert Thompson, PE
Project Manager, CH₂M/Jacobs

Highlights:

- ✓ **Electrical**
- ✓ **138 kV and 12.47 kV Voltage**
- ✓ **12.47 Switchgear**
- ✓ **Electrical Studies – Short Circuit, Coordination and Relay Settings**
- ✓ **Uniques Pre-Fabricated Electrical Building**
- ✓ **Rehabilitation**

Photos: Prefabricated NPW Electrical Building and Switchgear

69th Street Wastewater Treatment Plant Improvements Pkg 4

City of Houston | Houston, Texas

Project Description | Improvements to Grit Facility, Chlorination/Dechlorination Facilities, New Electrical Building and other Miscellaneous Improvements.

Services Provided | As a sub-consultant to Jacobs (formerly CH₂M Hill), KGI was responsible for preparing bid documents of electrical portion of the new Electrical Building and Grit Facilities. In addition, KGI was responsible for performing short circuit electrical study for the new switchgear for the existing NPW pumps. Some of the major improvements included:

- Grit Removal Facility Improvements
- Clarifier Improvements
- Chlorination Facility Improvements
- Dechlorination Facility Improvements
- Fugitive Dust Control at Truck Loading Facility
- Unique NPW Electrical Building (due to Space Constraints)
- Unit Substation Breaker Improvements

