

Municipal Wastewater

Date Completed:

2018

Construction Cost:

\$3.476 Million

Client or Owner's Rep:

Mr. Chris Varnon, PE
Project Manager, CDM Smith

Highlights:

- ✓ **Electrical, Instrumentation and Controls**
- ✓ **Rehabilitation**

Photos: *Electrical Switchgear*

Almeda Sims WWTP & SPF Improvements Package 4

City of Houston | Houston, Texas

Project Description | The project included construction of a new Aerated Sludge Holding Tank with coarse bubble aeration, modifications to existing Sludge Holding Tanks, modifications to existing Blower Building to add a new blower and miscellaneous site improvements to Wastewater Treatment Plant & Sludge Processing Facilities.

Services Provided | As a sub-consultant to CDM Smith, KGI evaluated the existing electrical system and proposed improvements to the existing electrical system. KGI was involved in the preparation of bid documents, bid phase services and construction phase services for electrical, instrumentation and controls (EIC) portions of the project. In addition, KGI was responsible in coordinating with the City staff, permitting department and construction contractor during the project progression. Some of the major improvements included:

- New Sludge Holding Tank Electrical including Basin Lighting
- Modifications to Existing Blower Building to add new 125 HP blower
- Addition of new Power Factor Correction Caps to MCC-2C

