

Municipal Lift Station

Date Completed:

2008

Construction Cost:

\$3.0 Million (Estimate)

Client or Owner's Rep:

Mr. Gary Rabalais, PE
Sr. Project Manager, Malcolm
Pirnie (Arcadis)

Highlights:

- ✓ **Lift Stations - Wetwell/Drywell and Submersible Types**
- ✓ **Electrical, Instrumentation and Controls**
- ✓ **Rehabilitation**
- ✓ **Temporary Power**
- ✓ **Site Lighting**
- ✓ **Electrical Building**
- ✓ **New Electrical Service**

Photos: *Electrical Building/
New Electrical Service and
Pump Motor*

Treewater and Kirkwood Pump and Lift Station Renewal/Replacement

City of Houston | Houston, Texas

Project Description | The project includes rehabilitation of Treewater and Kirkwood lift stations including electrical, instrumentation and control.

Services Provided | As a sub-consultant to Arcadis (formerly Malcolm Pirnie), KGI was responsible for electrical, instrumentation and controls portions of the project during PER, detailed engineering and construction phases. KGI's scope included removing and replacing existing electrical power, controls, and instrumentation. The proposed improvements included the following:

Treewater Lift Station

- New Electrical Building
- Provisions for future Automatic Transfer Switch (ATS)
- New Motor Control Center
- New Control Panel for Wetwell/Drywell Pump Station
- Lighting, Grounding and other miscellaneous electrical
- Coordination with CenterPoint Energy for power

Kirkwood Lift Station

- Outdoor Lift Station Control Panel for Submersible type Pump Station
- Power to submersible pumps
- Site Lighting, Grounding and other miscellaneous electrical
- Coordination with CenterPoint Energy for power

