

Municipal Water

Date Completed:

2019

Construction Cost:

\$9.6 Million

Client or Owner's Rep:

Mr. Stanley Williams, PE
Sr. Vice President, HDR

Highlights:

- ✓ **Electrical, Instrumentation, Controls and SCADA**
- ✓ **PER, Design Phase and Construction Phase Services**
- ✓ **Constructability**
- ✓ **Rehabilitation**

Photos: *Metering Pump Control Panel with VFDs) and Caustic Storage Tanks*

East Water Purification Plant (EWPP) Chemical Feed System Plants 1 & 2 Improvements: Bid Package 2

City of Houston | Houston, Texas

Project Description | Improvements to Plants 1 & 2 and Plant 3 chemical feed systems, sump pumps, HVAC and other miscellaneous improvements.

Services Provided | As a sub-consultant to HDR, KGI was involved from the conceptual phase through project commissioning and start-up. for all the electrical, instrumentation, controls and SCADA portion of the project. The major chemical facilities include the following:

- Lime Bulk Storage Tanks, Recirculation Pumps and Feed (Metering) Pumps
- Fluoride Storage Tanks and associated Feed Pumps
- Caustic Storage Tanks, Recirculation Pumps and associated Feed Pumps
- Ammonia Storage Tanks, Transfer Pumps, Day Tanks and associated Feed Pumps.
- Coagulant Aid Storage Tanks and associated Feed Pumps.
- Ferric Sulfate Storage Tanks and associated Feed Pumps.
- Powdered Activated Carbon (PAC) Transfer and Feed Pumps.

