

## Electrical

**Date Completed:** 

2016

**Construction Cost:** 

N/A

Client or Owner's Rep:

Mr. Raj Singh, PE Managing Engineer City of Houston

## Highlights:

- ✓ Electrical Studies
- √ Relay Settings
- ✓ Arc Flash Labelling
- ✓ Operator Training

**Photo**: PPE and Arc Flash I abel

## Arc Flash Hazard Analysis for Northeast Water Purification Plant (NEWPP)

**City of Houston | Houston, Texas** 

**Project Description** Conduct an Arc Flash Hazard Analysis per NFPA 70E for establishing safe work practices for electrical workers in the plant.

**Services Provided** City of Houston selected KGI for performing electrical studies and an Arc Flash Hazard Analysis. KGI's scope of work included the following tasks:

- Perform an Arc Flash Hazard Analysis of the existing electrical equipment within the NEWPP.
- Determine the level of incident energy, approach and flash boundaries to personnel working on or near exposed live parts within the boundary.
- Determine required Arc-Rated (AR) protective clothing and Personal Protective Equipment (PPE) for workers inside the flash protection boundary.
- Develop Arc-Rated (AR) warning labels.
- Conduct workshops to the City's Drinking Water Operations staff.



