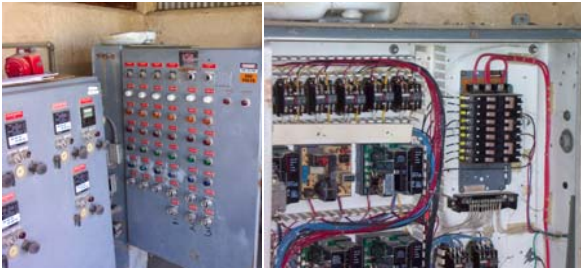


- Industrial Electrical Engineering and Construction
- Process Automation, PLC Programming and Troubleshooting
- Control Panel Design and Fabrication, UL508A
- Landfill Gas Flare Installations
- Landfill Gas-to-Energy Installations
- Groundwater Extraction and Injection System Installations

### Upgrade 6 Landfill Gas Flares from Relay-based Controls to PLC-based Control Panel

**Before**



**After**

## FIS performed the electrical installation of a 5 MW expansion at an existing Landfill Gas to Energy Facility in Prince William, Virginia.



This included complete 15 kV, 5 kV, and 480V aboveground and underground electrical distribution and controls.



FIS designed, built, and programmed the PLC-based control panel for the landfill gas handling process and all plant shutdown alarms.



- Instrument Calibrations
- Motor Controls
- Gas Detection System Design and Installation (Methane, Oxygen, Carbon Monoxide, etc.)
- Standby Generator/Transfer Switch Design and Installation