The State Group

Multi-Trade Contractor

Enbridge
Flanagan Terminal
Pontiac, IL

Owner: Enbridge

Value: $26,000,000

Date: Ongoing since 2008

Trades: Electrical
Instrumentation

Project Description and Scope:

State Group has been working at the Enbridge Flanagan Tank Farm since 2008 completing various scopes of work, including the following:

- Electrical installation for new power to (7) 150,000 BBL Refurbished Tanks with radar gauging, new Substation structure, ESB Building modifications, and new Manifold with valves
- New Launcher/Receiver, Pig Washer Maintenance Building, New ESB/VFD Building
- Installation of a new twin 34.5-4.16 KV /14 MVA Substation on north end of project
- Electrical installation of (3) new 400HP Booster Pumps, Manifold Valve additions, Metering Skid, and Lab Building
- Electrical install of (2) 4000HP Mainline Pumps and station work on Spearhead North Reversal Project on Line 62. Electrical install of a 3rd unit addition was later installed.
- Electrical & Instrumentation installations of (2) new Pump Stations for Line 59 and Line 63. Each station had (3) 4000HP Mainline units, (3) 700HP Booster Pumps, Metering Skids, (2) Launcher/Receiver Buildings, ESB/VFD buildings, and new 34.5-4.16 KV Substations. Each station had terminal work associated with scope for manifold additions.
- Electrical installation of (10) new 390,000 BBL Tanks with radar gauging. Existing Manifold extension work to support new tanks with remote ESB Buildings to support tank infrastructure
- Electrical installation of a new Fire Water Pumphouse Building and water lines to tanks with Infrastructure installation of heat detection system throughout entire tank farm

As Prime Contractor, State Group has completed the following work:

- Installed new 5KV Switchgear, new 2000HP Pump in existing Pumphouse, demo existing 5KV substation
- New Substation structure, pulled 5KV cable and fiber for Line 59 & 63 Terminal ESB feeders and Firewater Pumphouse feeder
- Installed additional lighting on manifold platform at site pole lights at Flanagan terminal

OIL & GAS