



Brownfield Facility Expansion - LO-CAT® Trains and Gas Treating System — *Louisiana*

Project Overview

Evers & Sons Inc. partnered with the client to expand an existing brownfield treating facility with new equipment supporting the operation of three sulfur recovery units (LO-CAT trains) and a shared chemical storage area. In addition to the LO-CAT train systems, Evers & Sons Inc. was also responsible for the installation of all gas treating and ancillary equipment required to enhance overall plant performance.

LO-CAT Train & Chemical Storage – Key Equipment (Per Train):

- (1) Inlet gas knockout pot
- (2) Liquid full absorbers (LFA)
- (2) LFA recirculation pumps (w/pump seal pots)
- (1) Treated gas knockout pot
- (1) Treated gas knockout pump (w/pump seal pot)
- (1) Oxidizer
- (2) Absorber feed pumps (w/pump seal pots)
- (2) Overspray pumps (w/pump seal pots)
- (1) Solution heater
- (2) Process air blowers
- (1) Pressure filter
- (1) Filter box
- (2) Filtrate return pumps (w/pump seal pots)
- (3) Chemical storage tanks
- (3) Chemical pumps
- (1) Biocide tank with pump
- (1) Potassium hydroxide (KOH) storage tank with pump

Balance of Plant (BOP) Treating & Compression – Key Equipment:

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| • (1) Acid gas screw compressor skid package (VRA 836M) | • (2) CO ₂ vent scrubber pumps |
| • (1) Discharge silencer | • (2) Treated water pumps |
| • (1) Lube oil skid | • (2) Glycol heaters |
| • (1) Lube oil cooler | • (2) Glycol circulation pumps |
| • (1) Seal water skid | • (1) Fuel gas meter |
| • (1) Acid gas aftercooler | • (1) Fuel gas scrubber |
| • (1) Injection water surge vessel | • (1) H ₂ S scavenger injection system |
| • (2) Injection water pumps | • (1) H ₂ S scavenger tote |
| • (1) LP flare with knockout drum and pumps | • (2) H ₂ S scavenger pumps |

Scope of Work:

- Concrete and structural installation for mechanical and electrical foundations
- Prefabrication of pipe spools and structural packages
- Field installation and pressure testing of all process piping
- Equipment setting, including grouting of all rotating equipment
- Scaffolding, coating, and insulation/jacketing

This project was designed to remove H₂S from acid gas produced by the existing amine regeneration still prior to atmospheric venting. The scope also included full balance-of-plant treating and compression installation, supporting long-term system reliability and environmental compliance.

Company Overview

Evers & Sons Inc. is a third-generation, family-owned energy services company providing services across Engineering, Facilities, Fabrication, Pipeline, Maintenance, and Decommissioning & Asset Abandonment. Together, we connect engineering expertise with proven field execution to help our customers plan smarter, build efficiently, and operate with confidence.

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