



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 (3) sulfur recovery units (LO-CAT trains) and a shared chemical storage area. In addition to the LO-CAT train systems, Evers & Sons 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 KO Drum and Pumps | • (2) H ₂ S Scavenger Pumps |

Scope of Work:

- Concrete and structural installation for mechanical and electrical foundations
- Pre-fabrication 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 is 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 midstream energy construction company providing services across Facilities, Fabrication, Pipeline, Maintenance, and Decommissioning & Asset Abandonment. Together, our integrated divisions provide solutions that build, support, and sustain the energy infrastructure across the United States.

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