



Amine Treating Facility

— Texas

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.

Contact Information

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Project Overview

Evers & Sons provided full installation services for two 450 GPM amine treating plants designed to treat and blend up to 700 MMCFD of natural gas. The project was executed in two phases, incorporating both greenfield construction and brownfield integration. Fabrication of structural steel and piping was performed at our fabrication facility, with close coordination between shop and field teams to maintain schedule and budget performance on this time-sensitive development.

Key Equipment Installed (Per Phase):

- Amine Contactors (80' X 11'-1") 510,000lb
- Treated Gas Coolers (30.4' X 60' [6] 40 HP)
- Inlet Skids
- Amine Circulation Pumps 800HP (27' X 4'-11 1/4" X 5'-4") 14,342lb
- Lean Amine Coolers (28.08' X 60' [5] 50 HP) 76,000lb
- Amine Flash Drum (49'-10" X 10'-7" X 13') 46,100lb
- Amine Charcoal Filter (19'-9" X 7') 8,151lb
- Reflux Skid (21'-8" X 6'-2") 8,381lb
- Amine Surge Tank
- Heat Medium Heaters (46' X 11'-11" X 11'-3") 74,383lb
- Amine Reboilers (24' X 7' X 10'-10 7/8") 25,700lb
- Regeneration Still Towers (99'-11 1/2" X 9'-9") 170,000lb
- Reflux Condensers (27.26' X 36' [4] 40HP) 45,00lb
- Inlet Separators (51'-2" X 13' X 13') 175,700lb
- SulfaTreat Lead/Lag H₂S Treating Units
- Acid Gas Thermal Oxidizer (42' X 10' X 11') 41,000lb
- TEG Dehydration Packages (25'-6" X 57' X 9'-6") 95,000lb
- Flare and BTEX Flare Systems (19'-5" X 7'-6" X 6'-4") 12,000lb | (80' X 8' X 8') 21,550lb
- Reverse Osmosis Water Treatment System (45' X 8'-6" X 12') 22,515lb
- Instrument Air System
- 210 BBL Amine Storage Tank
- 750 BBL Closed Drain Tanks
- 750 BBL Raw Water Tanks
- 750 BBL RO Water Tanks
- PDC Building
- (2) Natural Gas Generator Sets

Field Installation Stats:

- ±1,700 cubic yards of concrete
- ±270 tons of structural steel installed
- ±1,500 prefabricated pipe spools
- ±45,000 linear feet of pipe (1" through 30")
- ±6,000 welds
- ±85,000 shop weld inches
- ±30,000 field weld inches
- 2,500 flange torques
- 9,800 linear feet of pipe insulation
- 375 removable insulation blankets installed

Scope of Work:

- Civil concrete construction
- Structural steel fabrication and installation
- Pipe fabrication and installation
- Mechanical equipment installation
- Electrical installation
- Instrumentation installation
- Facility painting
- Piping and equipment insulation

The facility was constructed to provide large-scale amine treating and gas conditioning services, supporting up to 700 MMCFD of throughput while integrating new infrastructure into existing operations.