



Gillis Amine Plant: Phase I and Phase II — Louisiana

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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Project Overview

Evers & Sons Inc. provided full field installation services for the Gillis Treating Plant, including construction of an 8,000 GPM amine treating facility, a core component of Momentum Midstream's NG3 Project linking the Haynesville Shale to Gulf Coast LNG markets. The facility was originally designed for 1.7 Bcf/d of throughput, with the expansion incorporating additional equipment to increase total processing capacity to approximately 2.3 Bcf/d.

PHASE I:

Amine System – Key Equipment (Per Train):

- (3) Amine contactors
- (3) Treated gas coolers
- (3) Inlet skids
- (3) Amine circulation pumps
- (6) Lean amine coolers
- (1) Amine flash drum
- (1) Amine charcoal filter
- (1) Reflux skid
- (1) Amine surge tank
- (3) Heat medium heaters
- (2) Amine reboilers
- (2) Regen still towers
- (4) Reflux condensers

BOP Mechanical Equipment – Key Equipment:

- (1) Inlet separator
- (8) TEG dehy packages
- (5) CO₂ screw compressors | (2) CO₂ recip compressors
- (2) CO₂ dehy packages | (4) BTEX scrubber/cooler packages
- (1) Flare
- (1) BTEX flare
- (1) RO water treatment system | (1) instrument air skid
- (1) 210 BBL amine storage tank | (5) 750 BBL closed drain tanks
- (3) 750 BBL raw water tanks | (3) 750 BBL RO water tanks
- (3) Cummins-powered backup generators
- (3) PDC buildings

Scope of Work:

- Installation of ± 60,000 LF of prefabricated pipe (2"–36")
- ± 152,171 field weld inches
- ± 7,500 prefabricated pipe spools
- ± 800 tons of structural steel fabrication and erection
- ± 2,900 CY of concrete
- Flange torquing (5,275 flanges)
- QA/QC management and job books
- Oversight of I&E partner
- Number of welds: ±6,200

Additional Scope:

- Turnkey sub station construction
- Control room & office building
- Warehouse

PHASE II: Expansion Scope

- (2) 5,000 HP electric drive residue compression - (residue compression increases capacity to 2 Bcf/d)
- (2) H₂S treating units for CO₂ stream treating
- (1) CO₂ TEG dehydration unit

This greenfield facility serves as the core of NG3's carbon capture and gas treating system, integrating CO₂ amine treating, dehydration, and compression to deliver clean natural gas while maintaining a net-negative CO₂ emission profile.