



GALENA PARK EAST TERMINAL STORAGE TANKS

CLIENT - Kinder Morgan
LOCATION - Galena Park, TX
COMPLETED - 2014

DESCRIPTION

Matrix PDM Engineering provided multidiscipline detailed engineering and design, and project management for an expansion project at the Galena Park East terminal to add nine new liquid storage tanks under an aggressive project schedule.

PRINCIPAL FEATURES

- Designed to accommodate the addition of six 150,000 barrel carbon steel tanks and three 100,000 barrel tanks
- Design efforts were completed in 3D
- Designed new distribution and tank suction manifolds to connect and operate the tanks
- Prepared specifications, calculations, and drawings for the piping distribution of the main tank farm, new manifold areas and the existing wing manifold areas
- Feed service and MCC installation to operate the new tanks, valves, and pumps
- One API product pump (15,000 bph) and three API transfer pumps (7,500 bph) transfer product from the tanks to the docks, from tanks to pipeline, and from tank to tank
- Two stripping pumps (1,260 bph) to strip out headers at the manifolds and one small stripping pump (100 bph) to strip out the bottom of each product pump
- Provided fire protection for the new tanks and manifold areas by extending the existing fire water line to loop around the new tank area and adding a water deluge system to protect the manifolds

FOR MORE INFORMATION:
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