

FLINT HILLS RESOURCES DIESEL RAIL LOADING

SAN ANTONIO, TEXAS

Flint Hills Resources (FHR) wanted to explore exporting ultra-low sulfur diesel fuel to other facilities nationally and internationally. However, FHR had only means of transport via pipeline and needed to modify the rail to allow for diesel rail loading operations.

Prime Engineering designed a rail loading system complete with loading platforms and piping to allow for loading of 22 railcars within a 24-hour period. Prime also developed a design that incorporates room for out-of-order cars to be staged while loading operations occur. Prime ensured plans met Union Pacific Railroad's unique design criteria and helped FHR get the project approved and permitted.

Detailed Engineering Scope Elements:

- Site Investigation
- System Design Documents
- Hydraulic Calculations
- Containment Volume Calculations
- Rail Design
- Fire Protection Systems
- Platforms
- Union Pacific Railroad

Project Elements:

- Products: ultra-low sulfur diesel
- Piping
- Rail Design
- Rail Loading Pumps
- Site Lighting
- Grading and Site Layout
- Road Modifications
- Containment Berms
- Fencing Relocation
- Layout
- Lighting
- Load Arms
- Gangways
- Pipeline Crossing

