

# Kinder Morgan Petroleum Expansion



**PROJECT:** Nine Tank Petroleum Expansion for Major Liquid Terminal Facility

**CLIENT:** Kinder Morgan Perth Amboy Liquid Terminal

**LOCATION:** Perth Amboy, NJ

River recently engineered a nine tank petroleum product expansion at the Kinder Morgan Terminal in Perth Amboy, New Jersey, an 80 acre facility with approximately 100 tanks and more than two million bbls of total storage capacity. The terminal handles petroleum, chemicals and dry bulk materials. The tanks, which stand 60 feet tall, hold up to 1.3 million barrels of product with a barge loading and transfer capability of 7,500 to 10,000 bph.

The expansion, which provides additional product storage and movement capability, features a product manifold to transfer liquids from any tank to barge, tanks and/or existing pipeline. River's scope included preliminary design, AFE preparation and scope definition, and detailed design including:

- Pump Hydraulics
- Specification and Evaluation
- General Arrangements
- Tank Farm and Debottlenecking
- Piping Design
- Structural Steel Pipe Rack Design
- Electrical and Instrumentation Design/Engineering
- Project Scheduling
- Foundation Design and Review
- Construction Assistance
- Mechanical, Piping and Electrical Support

