

ENERGY TRANSFER

MARCUS HOOK REFINERY – DOCK 2A MODIFICATIONS



S.T. HUDSON ENGINEERS, INC.
Professional Engineers and Consultants

MARCUS HOOK, PA | PROJECT COST: \$21,000,000 |
COMPLETED IN DECEMBER 2016



PROJECT SUMMARY

This project began for S. T. Hudson Engineers as a simple dock study incorporating OPTIMOOR software to determine the existing dock's capacity to accommodate a new LPG tanker vessel. The project evolved into a complete dock upgrade that included new breasting dolphins, fender systems, mooring systems, gangway systems, jib crane, and dock house operation center.

S. T. Hudson served an EPC role in this project. Not only did we provide full design services, we also hired contractors and suppliers and managed the construction of the project. This project allowed us to showcase the full breadth of our capabilities; from hydrographic and dive services to estimating, purchasing, and construction services.

PROJECT CONTACT

Energy Transfer Partners
Mr. Bruce Luebbe
Project Manager
Ph. (856) 889-2142
bruce.luebbe@energytransfer.com

PROJECT STATS

- 46 x 26 foot loading platform
- 2 new breasting dolphins
- 4 new triple quick release hooks
- 5 new fender systems
- 46 x 20 foot sump containment area with pump
- 1 new jib crane for hose handling

SERVICES

- Dock study including:
- Optimoor mooring analysis
 - PIANC berthing analysis
 - Structural assessments
 - Recommendations with costs
- Structural design from FEED to construction
- Construction management services including all purchasing & construction support functions