

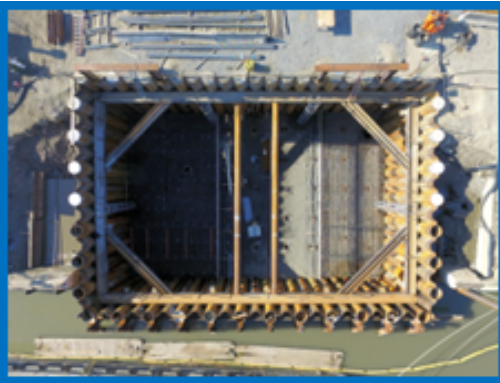
ENERGY TRANSFER

MARCUS HOOK REFINERY – ADDITION OF A NEW FIREWATER INTAKE SYSTEM

MARCUS HOOK, PA | PROJECT COST: \$27,314,000 |
COMPLETED IN JUNE 2017



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



PROJECT SUMMARY

S. T. Hudson Engineers was contracted to design and manage the construction of a Firewater Intake system for Sunoco Logistics LP (now Energy Transfer) in Marcus Hook, PA. The Firewater Intake structure was added as a significant upgrade to comply with the required firefighting capabilities which were a result of other facility upgrades.

In addition to the structural design of permanent cofferdam water intake bays, the project required the design of an automated pumping system and underground piping. Hudson was also responsible for the integration of all electrical, mechanical, and instrumentation components of the new system

PROJECT CONTACT

Energy Transfer Partners
Mr. Bruce Luebbe
Project Manager
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PROJECT STATS

50 X 100 foot cofferdam
30 foot deep excavation
QTY 2 – 800 HP diesel driven
water pumps
QTY 1 – Jockey pump
30 inch HDPE pipelines to tie in
the new pump system into the
refinery fire water system

SERVICES

Structural design of pier demo
Structural design of cofferdam
Design of pumping and piping
systems
Design of electrical, mechanical,
and instrumentation integration
into the new system
Construction Management