

# YARA FLOATING TRANSFER DOCK



**PROJECT:** New Fertilizer Facility Floating Transfer Dock

**LOCATION:** Union, LA

**CLIENT:** Yara North America, Inc.

**SERVICES:** Detailed Preliminary and Final Engineering Design and Construction Management Services

## DESCRIPTION

River Consulting provided detailed preliminary and final engineering design and construction management services for Yara North America, Inc. for the new floating transfer dock at the St. James Stevedoring facility.

River Consulting's expertise and consultation assisted the client in choosing the best financial and operational option for their facility, resulting in the floating dock structure rather than using a fixed dock design. The floating transfer dock allows the client to operate over a wide range of river stages, which enables vessel off-loading with minimal disruption.

The floating transfer dock was significantly more economical and reduced construction time to help meet the fast-track schedule demanded by the client. Additionally, River Consulting worked closely with the construction contractor to develop design details to decrease costs by incorporating previously used equipment.

The project was successfully completed with specific attention to reduce capital costs and help meet the client's overall budget. Additionally, the St. James Stevedoring facility won the 2011 International Bulk Journal Best Specialist Dry Bulk Port or Terminal award and was recognized for "how innovative design has increased flexibility, reduced costs and improved safety on the Mississippi River."

## PRINCIPAL FEATURES

- Two captive barges provide a nearly 600 foot long floating dock that accommodates the unloading conveyor system
- Two new breasting dolphins consisting of dual 96 inch diameter monopiles
- Three new anchor buoys handle ship breast mooring lines
- Three existing anchor buoys modified to handle ship head mooring lines
- Design includes provisions for ship-to-barge unloading

*"We are truly proud of the work put forth by the team responsible for putting together the NOLA Gateway facility in which River Consulting played an integral part. Their ability to think outside the box and implement a cost effective strategy, truly helped shape the success of the project."*

*- Paul Morton, President, St. James Stevedoring*



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