Owner: Entergy New Orleans, Inc.
General Contractor: Mapp Construction, LLC. | John Alberstadt: (225) 330-4060
EOR: Harmon Engineering, LLC. | Matt Harmon: (504) 552-4441
Completion Date: June, 2010 | Ultimate Pile Capacity: 60 kip

PROJECT SUMMARY
ENTERGY SUPPLY WAREHOUSE

Project Description: Entergy New Orleans, Inc., the electrical provider for the city of New Orleans and all of southern Louisiana maintains its central supply warehouse on Tulane Avenue in New Orleans. During the flooding related to recent hurricanes, their supply center was out of service during the most critical periods of service needs. To make the facility more functional, it was determined that existing warehouses would be demolished and the site grade raised approximately 3' so as to mitigate future additional flooding.

Subsurface Conditions: Soil borings reflected very poor soils with extremely low blow counts to a depth of 55'. A dense sand layer extended between 52' and 58'. The EOR specified 30 ton piles be founded in the deep sand layer to support the new structures.

Design Details: Power Lift manufactured and installed (470) 3-1/2" O.D. piles with 8", 10", 12", and 14" diameter, 3/8" thick flights. To increase the speed of installation, Power Lift manufactured the majority of the piles in 30' sections so as to reduce the number of couplings required. However, much of the site was congested with overhead power lines. In those areas, 15' pile segments were installed to insure Power Lift personnel's safety. The Power Lift crew installing the project averaged approximately 20 piles per day and

PROJECT SUMMARY — ENTERGY SUPPLY WAREHOUSE (*CONTINUED*)

maintained the contractor's schedule.

The contractor provided flat pad sites for the warehouse buildings. A surveying firm established pile locations in the field and set installation stakes at each pile location. The layout was tied to a grid coordinate system which was downloaded

PROJECT SUMMARY — ENTERGY SUPPLY WAREHOUSE (*CONTINUED*)

to Power Lift's digital torque monitoring equipment. This allowed Power Lift to provide a digital installation log for every pile installed, verifying installation torque and depth. Once pile installation was complete, the piles were cut off at the appropriate grade and pile caps were installed.

The grade was then raised to the required elevation, forms set, and the slab cast. Once the buildings were complete, the exterior grade was raised and all flatwork cast. The complex, now complete, should ensure that Entergy will always be able to rapidly respond to the needs of Northern and Southern Louisiana.