



## CROWDER CIVIL & ENVIRONMENTAL

### Project Awarded for Excellence!!

WILMINGTON, NC (02/18/2010) - The James A. Loughlin Wastewater Treatment Plant (Northside WWTP) project in Wilmington, North Carolina is a multiple award-winning project. The Cape Fear Public Utility Authority (owner), McKim & Creed with partner Hazen and Sawyer (design engineer team), and Crowder Construction Company (contractor) worked in concert to ultimately achieve success. This project was awarded the very prestigious Carolinas AGC Pinnacle Award for "Best Utility Project" in 2009 and also received recognition from the North Carolina Department of Labor for Crowder Construction Company's formal partnership for the duration of the project with the Occupational Safety and Health Division of North Carolina. Crowder successfully completed the project working more than 800,000 man-hours without a lost time accident.

The Northside project also received a 2010 Engineering Excellence Honor from the American Council of Engineering Companies of North Carolina and 2009 Merit Award for Excellence in Construction from the Associated Builders and Contractors of the Carolinas. In addition, a Silver Peak Performance Award was presented to the owner for this project from the National Association of Clean Water Agencies for outstanding compliance for 2008.



Northside WWTP is one of the largest projects ever constructed in the City of Wilmington with total costs of approximately \$80,000,000, including engineering design. Through the successful partnership and collaboration of the owner, engineer and contractor, overall project savings of \$6,000,000 was realized.

The upgrade and expansion of the Northside plant increased capacity from eight million gallons per day (8mgd) to sixteen million gallons per day (16mgd) with the capability to expand the plant in the future to twenty-four million gallons per day (24mgd).

The project included a new grit removal facility, primary clarifiers, aeration structure, blower building, secondary clarifiers, RAS/WAS pump station, deep bed filter structure, ultraviolet disinfection facility, effluent pump station, digester structures, dewatering facility, and many other support structures with modifications to most of the existing facility. The plant construction required installation of over 7,000 wood piles that varied in length from twenty feet (20ft) to sixty feet (60ft) long, forming and placement of over thirty thousand cubic yards (30,000 cy) of concrete, miles of underground pipe and conduit, numerous types of process equipment in addition to the installation of a new electrical power feed system complete with automatic back-up generators. The plant was designed and constructed with the most current instrumentation and controls system in order to provide a high level of automation and control for operations personnel.

Through the project team's commitment to high safety standards, trusting relationships, very detailed planning and coordination sessions, success was achieved. The team associated with the design and construction of the Northside Wastewater Treatment Plant can be very proud of this award-winning project!!

*For more information contact:*

John McIntyre, Senior Operations Manager

Phone: (919) 367-2000

Fax: (919) 367-2098

James A. Loughlin Wastewater Treatment Plant  
Cape Fear Public Utility Authority  
Wilmington, NC