

Determination of Minor Construction Activity

North Carolina Division of Water Quality Construction Grants and Loans Section

Project Applicant: Roanoke Rapids Sanitary District
Date: March 6, 2009
Project Number: CS 370449-04
Estimated Project Cost: \$1,229,000
Estimated Funding Amount: \$1,200,000

Project Description: The Roanoke Rapids Sanitary District (RRSD) operates an 8.34 million gallon per day (mgd) wastewater treatment plant (WWTP) serving the City of Roanoke Rapids, Town of Gaston, and portions of Halifax and Northhampton Counties. The plant was originally constructed in 1963 and has been expanded over time to its current capacity. The Roanoke Rapids Sanitary District has decided to change disinfection systems in order to eliminate the potential health hazards inherent with chlorine gas and sulfur dioxide gas. This project will replace the existing gas chlorine disinfection system and dechlorination system at the Roanoke Rapids WWTP with a new Sodium Hypochlorite liquid feed system and a Sodium Bisulphite dechlorination system. New construction associated with the proposed project will include two bulk storage tanks and chemical feed pumps for liquid sodium hypochlorite, to be housed in a concrete secondary containment structure enclosed by a pre-engineered steel building, and a chemical truck spill containment vault. Chemical feed components will be designed for a peak flow of 20.85 mgd (2.5 peaking factor), while storage units will be designed for the current plant capacity of 8.34 mgd.

The above named applicant intends to apply for assistance from the State Revolving Fund program to construct the wastewater facilities described above. The North Carolina Division of Water Quality (DWQ) has conducted a review of the project in accordance with the procedures (NCAC 15A Subchapter 1C) for conformance with the North Carolina Environmental Policy Act. The DWQ has determined that this project is a minor construction activity, and that the preparation of additional environmental documents is not required.

This determination shall become effective upon its distribution by DWQ and a one-time publication of this determination by the applicant in a newspaper having local circulation. This determination can be revoked at any time adverse information is made available. The documentation to support this decision will be on file with the North Carolina Department of Environment and Natural Resources, Division of Water Quality, Construction Grants and Loans Section, and is available for public scrutiny upon request.

Comments concerning this decision may be addressed to Ms. Jennifer Haynie, Facility Evaluation Unit, Construction Grants and Loans Section, Division of Water Quality, 1633 Mail Service Center, Raleigh, North Carolina 27699, or she can be reached by phone at (919) 715-6223.

Sincerely,



✓ Daniel M. Blaisdell, P.E., Chief
Construction Grants and Loans Section
Division of Water Quality