Determination of Minor Construction Activity

North Carolina Division of Water Quality
Construction Grants and Loans Section

Project Applicant: Town of Wilkesboro
Date: May 20, 2009
Project Number: Project No. CS370829-01
Estimated Project Cost: $8,226,433
Estimated Funding Amount: $4,226,433

Project Description: The proposed project involves upgrading the Wilkesboro Wastewater Treatment Plant (WWTP) and collection system.

At the Wilkesboro WWTP, the proposed project will include the addition of a new influent pump station near the existing influent pump station. The new pump station will utilize submersible pumps and variable speed drives. The project will also provide influent fine screening and, at the plant headworks, grit removal. At the aeration basin, the aeration system will be improved with surface high-speed mechanical aerators with draft tubes. A new splitter box will be added to ensure proper flow balance to the existing three (3) clarifiers. The UV disinfection system will be replaced with a new system that has redundant units. Digester improvements to increase performance will be made. The project will also include other miscellaneous improvements.

Collection system improvements include the replacement of approximately 9,000 linear feet (l.f.) of corrugated pipe in the Cub Creek interceptor. Also, the Lowe's Motel Pump Station will be downsized from 400 gallons per minute (gpm) to 200 gpm. Within the US 421 corridor, wastewater will be re-routed so that the existing 8-inch sewer line running parallel to US 421 will be upsized to 12 inches. The Golden Needles Pump Station will be replaced with a 1,650 gpm pump station. A duplex inverted siphon and 1,000 l.f. force main will be installed to convey wastewater from the US 421 corridor under the Yadkin River, and to the Golden Needles Pump Station via 2,200 l.f. of directional bore.

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 Division of Water Quality 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

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