Determination of Minor Construction Activity

North Carolina Division of Water Quality
Construction Grants and Loans Section

Project Applicant:	City of Rocky Mount
Date:	March 11, 2011
Project Number:	CS370394-08
Estimated Project Cost:	$2,883,225
Estimated Funding Amount:	$2,098,750

Project Description: The proposed project will replace the existing cryogenic oxygen generation system at the Tar River Regional Wastewater Treatment Plant (WWTP) with a Vacuum Swing Adsorption (VSA) oxygen generation system. This system will have an oxygen production capacity of 26.4 tons oxygen (O_2)/day at a minimum, which matches more closely the present and future oxygen demand at the WWTP. The system will allow the WWTP to continue operating at its current capacity and level of treatment. In addition to the new VSA system, this project proposes to install a Programmable Logic Controller (PLC) to monitor and automatically control the oxygen generation system. This PLC takes advantage of the turndown ability of the new system thus minimizing the waste of oxygen, energy, and expense typical of the existing unit. The existing liquid oxygen storage tanks, which are capable of producing 44 tons of O_2/day will be used as a back-up to the proposed VSA system.

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 will be available on the DWQ Construction Grants and Loans Section's website (http://portal.ncdenr.org/web/wq/cgls/er/fonsis). 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