Determination of Minor Construction Activity

North Carolina Division of Water Quality
Construction Grants and Loans Section

Project Applicant:	South Granville Water and Sewer Authority
Date:	December 1, 2011
Project Number:	CS370925-02
Estimated Project Cost:	$30,700,377
Estimated Funding Amount:	$22,018,839

Project Description: The proposed project includes: (1) Influent piping; (2) a new headworks facility, including two vortex grit removal units with a 10 million gallons per day (MGD) capacity each and two wedge wire rotating cylinder screens, each with a 10 MGD capacity; (3) two flow equalization basins at 2.5 million gallons (MG) each; (4) influent pumping, consisting of seven 75 horsepower (HP) pumps at 2,300 gallons per minute (gpm); (5) modification of the grease and fermentation tanks for emergency equalization storage; (6) repurposing the intermediate pump station as an in-plant drain pump station to pump filter backwash, digester decant, and dewatering filtrate to the anaerobic basins; (7) four anoxic mixers; (8) modification of the oxidation basins by conversion of the existing aerobic volume to an aerobic zone, a post anoxic zone for a second stage of denitrification, and a reaeration zone; (9) four internal recycle pumps (5,400 gpm each); (10) rehabilitation of Clarifiers Numbers 1 and 2 with the replacement of the collector drive; (11) abandonment of the existing effluent filtration and installation of new denitrification filters; (12) alum storage and feed system; (13) electrical work and instrumentation; (14) structural rehabilitation of the primary aerobic sludge digesters; (15) a new dewatering facility; and (16) sludge cake storage facilities.

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, Facilities 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,

Kim H. Colson, P.E., Chief
Construction Grants and Loans Section
Division of Water Quality