

ATTN: Nichole
Johnson

854-5448



North Carolina Department of Environment and Natural Resources
Division of Land Resources
Land Quality Section

James D. Simons, PG, PE
Director and State Geologist

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

November 30, 2010

LETTER OF APPROVAL WITH MODIFICATIONS

Town of Cary
ATTN :- Jamie Revels
400 James Jackson Avenue
Cary, NC 27513

RE: Project Name: Western Wake Water Reclamation Facility
Project ID: Wake-2011-023 Acres Approved: 54.00
County: Wake, Old U.S. Hwy 1, New Hill, NC
River Basin: Cape Fear Stream Classification: Other
Submitted By: Jonathan Allen, Arcadis G & M of North Carolina, LLC
Date Received by LQS:8/31/10;9/17/10;10/11/10
Plan Type: New

Dear Sir or Madam:

This office has reviewed the subject erosion and sedimentation control plan. We find the plan to be acceptable with modifications and hereby issue this letter of Approval with Modifications. The Modifications Required for Approval are listed on the attached page. This plan approval shall expire three (3) years following the date of approval, if no land-disturbing activity has been undertaken, as is required by Title 15A NCAC 4B .0129.

Please be advised that Title 15A NCAC 4B .0118(a) requires that a copy of the approved erosion control plan be on file at the job site. Also, you should consider this letter to give the Notice required by G.S. 113A-61.1(a) of our right of periodic inspection to insure compliance with the approved plan.

North Carolina's Sedimentation Pollution Control Program is performance-oriented, requiring protection of existing natural resources and adjoining properties. If, following the commencement of this project, it is determined that the erosion and sedimentation control plan is inadequate to meet the requirements of the Sedimentation Pollution Control Act of 1973 (North Carolina General Statute 113A-51 through 66), this office may require revisions to the plan and implementation of the revisions to insure compliance with the Act.

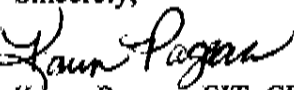
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Acceptance and approval of this plan is conditioned upon your compliance with Federal and State water quality laws, regulations, and rules. In addition, local city or county ordinances or rules may also apply to this land-disturbing activity. This approval does not supersede any other permit or approval.

Please be aware that your project will be covered by the enclosed NPDES General Stormwater Permit NCG01000 (Construction Activities). You should first become familiar with all of the requirements for compliance with the enclosed general permit.

Please note that this approval is based in part on the accuracy of the information provided in the Financial Responsibility Form, which you have provided. You are requested to file an amended form if there is any change in the information included on the form. In addition, it would be helpful if you notify this office of the proposed starting date for this project. Please notify us if you plan to have a preconstruction conference.

Your cooperation is appreciated.

Sincerely,

Karyn Pageau, EIT, CPESC
Assistant Regional Engineer
Land Quality Section

Enclosures: Certificate of Approval
Modifications Required for Approval
NPDES Permit

cc: Jonathan Allen, PE, Arcadis G & M of North Carolina, LLC, 801 Corporate Center Drive, Suite 300, Raleigh, NC 27607
Danny Smith, DWQ – SWP Supervisor, Raleigh Regional Office

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MODIFICATIONS REQUIRED FOR APPROVAL

Project Name: Western Wake Water Reclamation Facility
Project ID: Wake-2011-023
County: Wake

Church Rd. W/L

1. Provide no gap between dragmat for temporary stream crossings, utilize composite map or equivalent if needed.

Effluent Pump Station

1. Provide sediment control for bore and jack area.
2. Provide revised detail showing riprap on slope between forebay and main pool of wet detention basin profile.
3. Provide revised curb inlet protection that protects throat such as block and gravel.

Wastewater Management Facility

1. Revise construction entrance detail to show 2" - 3" coarse aggregate or Class A erosion control stone.
2. Provide baffle detail showing material type and spacing.
3. Provide silt fence along streambanks throughout limits of disturbance. Provide silt fence along southwestern perimeter or project from Sediment Basin D to between sediment basins G and F. Provide silt fence downstream of basin locations and provide silt fence outlet downstream of skimmer outlet (which should be included in the LOD) and/or weir.
4. Provide detail for special stilling basin on drawings.
5. Provide check dam at edge of the limits of disturbance in existing ditch adjacent construction entrance sheet C034.
6. Show minimum of 2 baffles between diversion entrance into basin and the outlet.
7. Provide check dam at edge of limits of disturbance downstream of O2 dissipator in existing ditch.
8. Revise calculations and dimension for weir length based on 0.5 ft flow depth. Provide revised diversion calculations for main site including shear stress calculations and provide liner type(s) on the drawings.