



North Carolina Department of Environment and Natural Resources

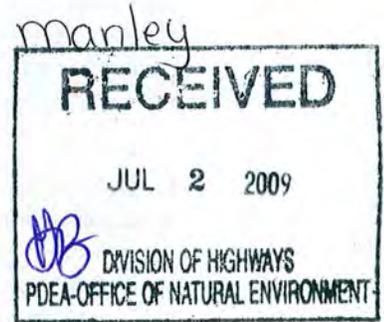
Division of Water Quality
Coleen H. Sullins
Director

Beverly Eaves Perdue
Governor

Dee Freeman
Secretary

June 30, 2009

Dr. Greg Thorpe, PhD., Branch Manager
Project Development and Environmental Analysis Branch
North Carolina Department of Transportation
1598 Mail Service Center
Raleigh, North Carolina, 27699-1548



Subject: Correction to 401 Water Quality Certification for R-2719A (Crescent Road) in Lenoir County,
DWQ Project No. 20080314.
WQC No. 003763

Dear Dr. Thorpe:

This letter is in regards to the 401 Water Quality Certification (WQC) issued on October 28, 2008 for Crescent Road in Lenoir County (DWQ Project No. 20080314; WQC No. 003763). Condition No. 2 of the WQC issued on October 28, 2008 contains the following language regarding wetland mitigation:

“Compensatory mitigation for impacts to 12.05 acres of jurisdictional wetlands will be required as a result of this project. Off-site mitigation credits shall be credited at a 2:1 ratio. Mitigation shall be provided as follows:

Mitigation Type	Location	Wetland Type	Impact Amount (ac)	Ratio	Credits Required (ac)
Restoration	Banks School Rd. Site 2 (on-site)	Riverine	0.68	1:1	0.68
Restoration	Jeffrey's Warehouse (off-site)	Riverine	2.02	2:1	4.04
Restoration	Jeffrey's Warehouse (off-site)	Non-riverine	2.76	2:1	5.52
Restoration	Casey-King (off-site)	Non-riverine	6.59	2:1	13.18
TOTAL:			12.05		23.42

If there are insufficient credits for 2:1 ratio at either Casey King or Jeffrey's Warehouse, credits must be debited from another site or from EEP. However, credits shall be debited or obtained at a 2:1 ratio. If credits are *not* debited as shown in the above table, the NCDOT shall notify the DWQ, in writing prior to construction, of where credits will be debited. If mitigation is provided through EEP, an acceptance letter shall be submitted to the DWQ.

Wetland mitigation area shall be planted with no less than 680 stems/acre. Vegetation success shall be measured by survivability over a 5-year monitoring period. Survivability will be based on 320 stems/acre after three years and 260 stems after five years. A survey of vegetation during the

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growing season shall be conducted annually over the five-year monitoring period and submitted to the NC Division of Water Quality. Monitoring should include tree density counts, photo documentation, and plots sufficient enough to demonstrate survival and diversity of tree species. If the surviving vegetation densities are below the required thresholds after the five-year monitoring period, the site may still be declared successful at the discretion of and with written approval from the NC Division of Water Quality.

Hydrologic success of the sites will be attained by restoration of a hydrologic regime that results in inundation or saturation of the soils within 12 inches of the ground surface for at least 12.5 percent of the growing season. The hydrologic monitoring shall persist for a total of five years. After the five-year monitoring period, if the monitoring requirements are not met, the site may still be declared successful at the discretion of and with written approval from the NC Division of Water Quality. Monitoring should include both restoration and enhancement areas.”

This language is hereby corrected to read as follows:

Compensatory mitigation for impacts to 12.05 acres of jurisdictional wetlands will be required as a result of this project. Off-site mitigation credits shall be credited at a 2:1 ratio. Mitigation shall be provided as follows:

Mitigation Type	Location	Wetland Type	Impact Amount (ac)	Ratio	Credits Obtained (ac)
Restoration	Banks School Rd. Site 2 (on-site)	Riverine	0.68	1:1	0.68
Restoration	Crescent Road (on-site)	Riverine	2.02	1:1	2.02
Restoration	Jeffrey's Warehouse (off-site)	Non-riverine	2.76	1:1	2.76
Restoration	Casey-King (off-site)	Non-riverine	6.59	1:1	6.59
Preservation	Southwest Creek	Non-riverine	*	4.6:1	43.1
TOTAL:			12.05	 	55.15

*Credits from the Southwest Creek mitigation site are not associated with a specific impact, but are being used to make up for the required 2:1 mitigation required for off-site mitigation (i.e. Jeffrey's Warehouse and Casey-King).

Wetland mitigation area shall be planted with no less than 680 stems/acre. Vegetation success shall be measured by survivability over a 5-year monitoring period. Survivability will be based on 320 stems/acre after three years and 260 stems after five years. A survey of vegetation during the growing season shall be conducted annually over the five-year monitoring period and submitted to the NC Division of Water Quality. Monitoring should include tree density counts, photo documentation, and plots sufficient enough to demonstrate survival and diversity of tree species. If the surviving vegetation densities are below the required thresholds after the five-year monitoring period, the site may still be declared successful at the discretion of and with written approval from the NC Division of Water Quality.

Hydrologic success of the sites will be attained by restoration of a hydrologic regime that results in inundation or saturation of the soils within 12 inches of the ground surface for at least 12.5 percent of the growing season. The hydrologic monitoring shall persist for a total of five years. After the five-year monitoring period, if the monitoring requirements are not met, the site may still be declared successful at the discretion of and with written approval from the NC Division of Water Quality. Monitoring should include both restoration and enhancement areas.

Please attach a copy of this letter with any copies of the original Water Quality Certification. All other conditions written into the previous Water Quality Certification for this project dated October 28, 2008 still apply except where superceded by this correction. We are sorry for any inconvenience this may have caused. If you have any questions please contact David Wainwright at (919) 715-3415.

Sincerely,



 Coleen H. Sullins,
Director

cc William Wescott, US Army Corps of Engineers, Washington Field Office
Kathy Matthews, Environmental Protection Agency
Chris Miltscher, Environmental Protection Agency
Travis Wilson, NC Wildlife Resources Commission (electronic)
Gary Jordan, US Fish and Wildlife Service (electronic)
Garcy Ward, DWQ Washington Regional Office
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