




STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY  
GOVERNOR

ANTHONY J. TATA  
SECRETARY

September 3, 2013

MEMORANDUM TO: Division Engineers  
FROM: Terry R. Gibson, PE  
Chief Engineer   
SUBJECT: Vegetation Establishment / NPDES Record Keeping

In February 2012 we implemented the statewide use of an intermediate completion time (ICT) for all work except permanent vegetation establishment on projects. This ICT and new project special provision titled "Permanent Vegetation Establishment" was implemented to ensure that after all work is completed, an appropriate stand of grass germinates to reduce any long term erosion or maintenance issues. Final project completion is established as long as six months after the ICT but the goal is to accept the project as soon as possible. In addition, during the period between completion of the ICT and overall final project acceptance, National Pollutant Discharge Elimination System (NPDES) records must continue to be completed. By keeping the contract open, NPDES record keeping was shifted to the contractor during the vegetation establishment period.

Beginning with the October 2013 letting, when all work associated with the ICT has been accepted, the Resident Engineer or other NCDOT contract administrator will now be responsible for completing the NPDES records once a week or after every ½ inch rainfall event per 24 hour period until final acceptance of the project. This change is being made to reduce duplication of effort when the contractor is no longer needed on the project on a daily basis. The attached revised "Permanent Vegetation Establishment" project special provision will be effective with the October 2013 letting. The latest NPDES forms are also attached for your future reference and use.

Every effort should be made to limit the duration of the vegetation establishment period. This can be accomplished by seeding as early in the project as possible and bringing portions of the project to grade and stage seeding where practical. If at any time after ICT acceptance it is determined work is needed to address poor seed germination or corrective measures are needed due to a storm event, the contractor should be notified in writing and given a deadline to complete the work.

If you have any questions related to this matter please contact Lamar Sylvester with the Construction Unit at (919) 707-2402.

Attachments

cc: R. E. Greene, Jr., PE Resident Engineers  
R. A. Hancock, PE Roadway Construction Engineers  
D. G. Lee, CPESC Bridge Construction Engineers  
R. A. Garris, PE Roadside Environmental Field Operations Engineers

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
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WEBSITE: [WWW.NCDOT.GOV](http://WWW.NCDOT.GOV)

LOCATION:  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

**PERMANENT VEGETATION ESTABLISHMENT:**

(2-16-12) (Rev. 10-15-13)

104

SP1 G16

Establish a permanent stand of the vegetation mixture shown in the contract. During the period between initial vegetation planting and final project acceptance, perform all work necessary to establish permanent vegetation on all erodible areas within the project limits, as well as, in borrow and waste pits. This work shall include erosion control device maintenance and installation, repair seeding and mulching, supplemental seeding and mulching, mowing, and fertilizer topdressing, as directed. All work shall be performed in accordance with the applicable section of the *2012 Standard Specifications*. All work required for initial vegetation planting shall be performed as a part of the work necessary for the completion and acceptance of the Intermediate Contract Time (ICT). Between the time of ICT and Final Project acceptance, or otherwise referred to as the vegetation establishment period, the Department will be responsible for preparing the required National Pollutant Discharge Elimination System (NPDES) inspection records.

Once the Engineer has determined that the permanent vegetation establishment requirement has been achieved at an 80% vegetation density (the amount of established vegetation per given area to stabilize the soil) and no erodible areas exist within the project limits, the Contractor will be notified to remove the remaining erosion control devices that are no longer needed. The Contractor will be responsible for, and shall correct any areas disturbed by operations performed in permanent vegetation establishment and the removal of temporary erosion control measures, whether occurring prior to or after placing traffic on the project.

Payment for *Response for Erosion Control, Seeding and Mulching, Repair Seeding, Supplemental Seeding, Mowing, Fertilizer Topdressing, Silt Excavation, and Stone for Erosion Control* will be made at contract unit prices for the affected items. Work required that is not represented by contract line items will be paid in accordance with Articles 104-7 or 104-3 of the *2012 Standard Specifications*. No additional compensation will be made for maintenance and removal of temporary erosion control items.

**INSPECTION RECORD FOR ACTIVITIES UNDER STORMWATER GENERAL PERMIT NCG010000  
 SELF-INSPECTION RECORD FOR LAND DISTURBING ACTIVITIES PER § 113A-54.1  
 RESPONSE FOR EROSION CONTROL FORM 1675**

**PROJECT LOCATION** \_\_\_\_\_  
**LEVEL II SUPERVISOR** \_\_\_\_\_  
**CONTRACTOR** \_\_\_\_\_

**TIP #** \_\_\_\_\_  
**COUNTY** \_\_\_\_\_

All erosion and sedimentation control measures and stormwater discharge outfalls must be inspected at least once (twice, if on 303(d) listed stream impaired by turbidity, see [http://portal.ncdenr.org/c/document\\_library/get\\_file?uuid=d8cf0cc2-6d8d-47e8-96e6-f769fca0cca4&groupId=38364](http://portal.ncdenr.org/c/document_library/get_file?uuid=d8cf0cc2-6d8d-47e8-96e6-f769fca0cca4&groupId=38364) ) per seven calendar days and within 24 hours of a rainfall of 0.5 inch per 24 hour period. Permittee must keep a record of inspections. Attach Multi Precipitation Estimator (MPE) rainfall data for weekly period. If using on site rain gage, complete daily rainfall measurement.

Day	Date	Rain Amt (in)	Notes
M			
T			
W			
Th			
F			
Sat			
Sun			

Phase of Grading (Place a check in the box of the current project phase)	
Installation of perimeter erosion and sediment control measures	
Clearing and grubbing of existing ground cover	
Completion of any phase of grading of slopes or fills	
Installation of storm drainage facilities	
Completion of construction or development	
Establishment of permanent ground cover sufficient to restrain erosion	

Has all land disturbing activity been completed? (Y/N) \_\_\_\_\_  
 Has the final permanent ground cover been completed and established? (Y/N) \_\_\_\_\_

<b>By this signature, I certify (in accordance with Part II Section B, 10 of the NCG010000 permit) that this report is accurate and complete to the best of my knowledge:</b>	
_____	_____
Cert. Level II Supervisor	Cert. #
_____	_____
NCDOT Cert. Level II Representative	Cert. #





**RESPONSE FOR EROSION CONTROL - INSPECTOR'S DAILY REPORT**  
**SUBSTITUE FORM 1675**

Pay Item	Standard/Metric Unit	Quantity	Comments
Temporary Silt Fence	LF M		
Special Sediment Control Fence	TN/MTN LF/M		
Temporary Mulching	AC HA		
Seed - Temporary Seeding	LB KG		
Fertilizer - Temporary Seeding	TN MTN		
Matting for Erosion Control	SY M <sup>2</sup>		
Coir Fiber Mat	SY M <sup>2</sup>		
Coir Fiber Baffles	LF M		
Perm. Soil Reinforcement Mat	SY M <sup>2</sup>		
Seeding and Mulching	AC HA		
Seed - Repair Seeding	LB KG		
Fertilizer - Repair Seeding	TN MTN		
Seed for Supplemental Seeding	LB KG		
Fertilizer Topdressing	TN MTN		
Response for Erosion Control	EA EA		
Safety/Highly Visible Fencing	LF M		

We agree that this is the work to be performed.  
NCDOT Representative:  
Prime Representative:  
Date

We agree that this work was performed.  
NCDOT Representative:  
Prime Representative:  
Date