



*J. Nance*

STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

June 24, 2010

MEMORANDUM TO: Division Engineers  
Anthony Roper, PE, Deputy Secretary  
Patrick Simmons, Rail Division Director  
Steve DeWitt, PE, Turnpike Authority Chief Engineer

FROM: J. G. Nance, PE *JGN*  
Chief Engineer – Operations

SUBJECT: NPDES Stormwater Inspections

Earlier this year, the Division of Water Quality (DWQ) reissued the NCG010000 NPDES General Permit that regulates stormwater discharges from NCDOT's construction activities and is attached for your reference. DWQ has recently revised the attached guidance for complying with the applicable requirements of this permit. Revisions in the permit that impact our operations are minimal.

The department has updated its Inspection Record, see attached, that includes minor edits to comply with the revised permit. The record was modified to streamline the documentation process. A weekly cover sheet has been developed to record rainfall and grading activities. The responsible individual can then utilize the balance of the inspection record to document stormwater discharge outfall information and erosion and sedimentation control corrective actions. Contracted jobs may utilize the Substitute Form 1675 to document NPDES related pay items. The NPDES Inspection Record should be completed and signed by a certified Erosion and Sediment Control/Stormwater Level II individual.

Please begin implementation of the revised NPDES permit requirements and Inspection Record on July 1, 2010, for all projects with land disturbance exceeding one acre regardless of the let date or date construction commenced.

Your Roadside Environmental Field Operations Engineer will be assisting your staff with this process and can provide associated training upon request. If you need additional information, please contact Don Lee in the Roadside Environmental Unit at (919) 733-2920.

I appreciate the effort made by you and your staff to ensure compliance with the many components of our NPDES Stormwater Permits.

JGN:tms

Attachments

cc: Terry Gibson, PE, State Highway Administrator  
Ricky Greene, Jr., PE, Director of Field Support  
Ron Hancock, PE, State Construction Engineer  
Don Lee, CPESC, State Roadside Environmental  
Division Construction Engineers  
Division Maintenance Engineers  
Division Operations Engineers

MAILING ADDRESS:  
NC DEPARTMENT OF TRANSPORTATION  
CHIEF ENGINEER'S OFFICE  
1537 MAIL SERVICE CENTER  
RALEIGH NC 27699-1537

TELEPHONE: 919-733-7821  
FAX: 919-733-4141

WEBSITE: [WWW.NCDOT.GOV](http://WWW.NCDOT.GOV)

LOCATION:  
TRANSPORTATION BUILDING  
1 SOUTH WILMINGTON STREET  
RALEIGH NC

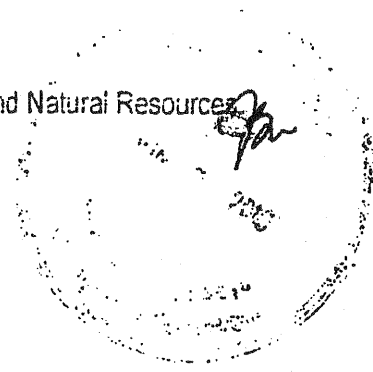


North Carolina Department of Environment and Natural Resources

Division of Water Quality  
Coleen H. Sullins  
Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary



June 7, 2010

**MEMORANDUM**

To: Jon Nance, PE, Chief Engineer, Operations, NCDOT  
From: Matt Matthews, Surface Water Protection Section, NCDWQ  
Subject: Resurfacing/Shoulder Work and Applicability of the NCG010000

Resurfacing and shoulder work projects often result in narrow strips of disturbance along road shoulders that can continue for several miles. Although the width of disturbance is small, the length of the disturbance can result in land disturbance of one acre or greater, thus triggering NPDES General Permit No. NCG010000 for Construction Activities. Due to the narrow, linear nature of these projects, NCDOT shall implement the following inspection and monitoring guidance for compliance with the applicable requirements of NCG010000.

- On resurfacing projects where shoulder work includes disturbance and/or grading to the toe of fill, relocates ditch line or backslope and/or removes vegetation from the conveyance, NCDOT shall follow the NCG010000 Guidance for Idle Projects (NCDWQ, April 12, 2010) where inspection and monitoring occur once every 14 calendar days. Erosion control measures shall be installed in any area where the vegetated buffer between the disturbed area and surface waters (streams, wetlands, or open waters) is less than 10' wide.
- On resurfacing projects where shoulder work includes rebuilding shoulders to safe up the edge of pavement resulting in a narrow ribbon of disturbance (2-5' wide), no inspection or monitoring shall be required. However, in any areas where the vegetated buffer is less than 10' wide between the disturbed area and waters of the State (streams, wetlands, open waters), erosion control devices shall be installed and inspected once every 14 calendar days. In any areas where the vegetated buffer is less than 10' wide between the disturbed area and waters of the State classified as HQW, ORW, Critical Areas, or Unique Wetlands, erosion control measures shall be installed, inspected, and monitored following the NCG010000 Guidance for Idle Projects.

If you have any questions regarding this matter, please contact me at 919-733-5715.

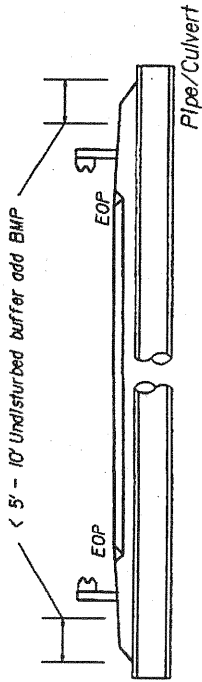
Cc: Brian Wrenn, NCDWQ  
Cyndi Karoly, NCDWQ  
Bradley Bennett, NCDWQ  
Mike Randall, NCDWQ  
John Hennessy, NCDWQ  
File copy

PROJECT NUMBER	10-20-2007
DATE	10-20-2007
DESIGNED BY	W. J. ...
CHECKED BY	...
APPROVED BY	...

# EROSION CONTROL DETAIL

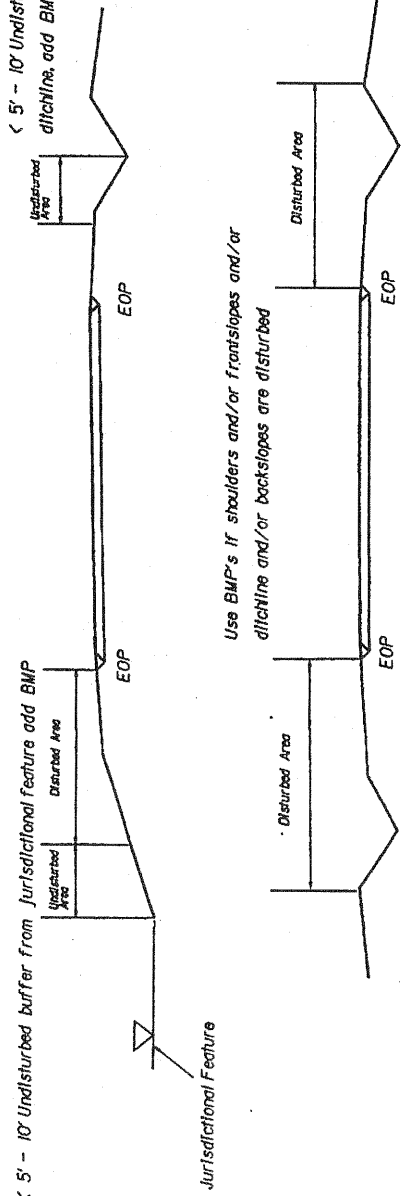
NOTES: Less than 5' - 10' undisturbed buffer from ROW, ditchline, water feature, or drainage inlet, add BMP.

BMP Options: Wattie or Silt Fence

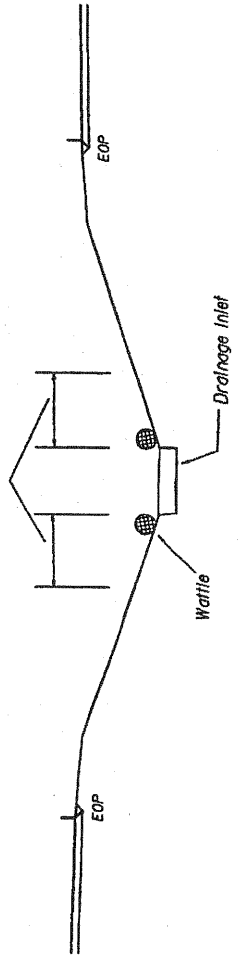


< 5' - 10' Undisturbed buffer from Jurisdictional Feature add BMP

< 5' - 10' Undisturbed buffer from ditchline, add BMP



< 5' - 10' Undisturbed buffer from Inlet, add wattie



NOT TO SCALE

**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** \_\_\_\_\_ **TIP #** \_\_\_\_\_  
**LEVEL II SUPERVISOR** \_\_\_\_\_ **COUNTY** \_\_\_\_\_  
**CONTRACTOR** \_\_\_\_\_

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?uid=d8cf0cc2-6d8d-47e8-96e6-f769fca0cca4&groupId=38364](http://portal.ncdenr.org/c/document_library/get_file?uid=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) \_\_\_\_\_

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:

	Cert. #
	Cert. #
	Cert. #

NCDOT Cert. Level II Representative





