Environmental Forms

David B. Harris
Roadside Environmental Unit
Environmental Forms

Erosion and Sedimentation Inspection Report Form

► Report to be filled out during routine erosion and sedimentation inspections on a project
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Erosion and Sedimentation Inspection Report Form

- Inspection Reports used for weekly sedimentation and erosion control measures should be standardized and include location, needed action, date first reported, and date corrected. The NC DOT inspector and the contractor should sign the reports. Records of rainfall data and other storm water monitoring data should be kept in a uniform manner.

2007 Land Quality Annual Report
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Erosion and Sedimentation Inspection Report Form

Reports should include

► Project Information
► Location of device
► Measure Needed
► Maintenance Needed
► Date First Reported
► Date To Be Completed
### Erosion Control Inspection

**Project No.**
**Report No.**
**Date:**

**County**
**Contractor**
**Page**

<table>
<thead>
<tr>
<th>Station</th>
<th>Location</th>
<th>Type Device</th>
<th>Recommended Corrections</th>
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</table>

The Contractor will have ________ days from ________ to perform erosion control work as directed above. Failure to do so, will result in the Engineer notifying the contractor to comply with the above provisions listed in Section 105-16 of the N.C.G.C. Standard Specifications. This list is to be used as a guide and does not relieve the contractor of his responsibility to perform a site inspection and to comply with the erosion control plans.

* * 7 Calendar Days to complete these items on this form

**Contractor**
**Inspector**

**Date**
**Resident Engineer**

Copies: Original - Resident Engineer 1 - Inspector 1 - Contractor
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Erosion and Sedimentation
Inspection Report Form

Example of Report
Construction Manual
Page 16-7
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Erosion and Sedimentation
Inspection Report Form

DENR: Land Quality Section
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Erosion and Sedimentation Inspection Report Form

NPDES Inspection Report Form

Response For Erosion Control Form

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NPDES
Inspection Report Form

National Pollutant Discharge Elimination System
NCDOT’s Phase I NPDES Permit requires the Department or its agents to comply with all applicable provisions of North Carolina’s Construction General Permit (CGP), NCG01000
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NPDES Inspection Report Form

WHEN?

Once a Week or after every $\frac{1}{2}$ inch Rainfall event

or

Twice a week or after every $\frac{1}{2}$ inch rainfall event for 303d listed streams
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NPDES

Inspection Report Form

Outfall Points
NPDES Inspection Report Form

### Stormwater Inspection Form

<table>
<thead>
<tr>
<th>Date:</th>
<th>Rainfall: No</th>
<th>Damp in</th>
<th>Evaluator:</th>
<th>Visible Sediment leaving the project right of way and into riparian areas? Y/YN</th>
<th>Comments and Corrective Actions:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Are there any signs of fuels, lubricants, coolants, or other contaminants discharged on the ground or surface waters? Y/YN</td>
<td>Comments and Corrective Actions:</td>
</tr>
</tbody>
</table>

**Inspected and Corrected Control Measures:**
- On projects that are one acre or greater at least once every 7 calendar days (at least once every 7 calendar days for facilities discharging to Section 303(d) lists of water impaired for turbidity or sediment) and within 24 hours after any storm event of greater than 0.5 inch of rain per 24-hour period.

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**Project Information:**
- Project No.:
- Division:
- County:
- Project Type:
- Location:
- Water Classification:

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**Final Inspection Date:**

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*Note: The form contains sections for specific inspection criteria, including water quality and sediment control measures. The sections are filled out to indicate compliance or non-compliance with regulations.*
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Section 1675: Response for Erosion Control

SECTION 1675
RESPONSE FOR EROSION CONTROL

1675-1 DESCRIPTION.

The work covered by this section consists of preparatory work and operations, including but not limited to those necessary for the movement of personnel, equipment, and supplies to the project necessary for the pursuit of the work of seeding and mulching, temporary seeding, repair seeding, supplemental seeding, sprigging and sodding, matting for erosion control, fertilizer topdressing, temporary mulching, silt cleanout or repair of temporary erosion control devices.

1675-2 METHOD OF MEASUREMENT.

The quantity of responses for erosion control to be paid for will be the actual number of times the erosion control contractor moves onto the project, including borrow and waste areas, to perform work related to seeding and mulching, temporary seeding, repair seeding, supplemental seeding, sprigging and sodding, matting for erosion control, fertilizer topdressing, temporary mulching, silt cleanout, or repair of temporary erosion control devices provided:

a. The Engineer gives notice to the prime contractor authorizing the move in, and

b. the response is not the initial mobilization for erosion control for the project, and

  c. the last time the erosion control contractor was on the project, the erosion control contractor completed all work that was available to be completed and was released by the Engineer,

  d. the erosion control contractor responded to the Engineer’s request from a location which is off the site of the project, and

  e. the erosion control contractor responded with adequate equipment, personnel, and supplies so as to begin work within 54 hours of the Engineer’s notification to the prime contractor.
Response for Erosion Control

- Interpreted differently by NCDOT Engineers
- Was seldom paid to contractors
- Offered very little incentive
Response for Erosion Control

- Increase Environmental Awareness
- More frequent trips to the projects
- Matting usage increased
- Record keeping became problematic
Response for Erosion Control

Construction Unit and Roadside Environmental Unit worked with the contracting industry to resolve the situation.
Response for Erosion Control

Solutions

► Require contractor to maintain seeding equipment onsite 24 hours a day.
► Develop graduated pay system for accomplishing varying quantities of work.
► Set a flat rate for mobilization every time the contractor was called.
► Revise the Response for Erosion Control Specification.
Response for Erosion Control

Solutions

► Changed Standard 1675 Response for Erosion Control back to a special provision and created a form 1675 to serve as a work order.
RESPONSE FOR EROSION CONTROL:

Description

Furnish the labor, materials, tools and equipment necessary to move personnel, equipment, and supplies to the project necessary for the pursuit of any or all of the following work as shown herein, by an approved subcontractor.

(A) Seeding and Mulching
(B) Temporary Seeding and Mulching
(C) Temporary Mulching
(D) Fertilizer Topdressing
(E) Repair Seeding
(F) Supplemental Seeding
(G) Silt Fence Installation or Repair
(H) Installation of Matting for Erosion Control

Construction Methods

Provide an approved subcontractor who performs an erosion control action as described in Form 1675. Each erosion control action may include one or more of the above work items.

Measurement and Payment

Response for Erosion Control will be measured and paid for by counting the actual number of times the subcontractor moves onto the project, including borrow and waste sites, and satisfactorily completes an erosion control action described in Form 1675. The provisions of Article 104-5 of the Standard Specifications will not apply to this item of work.
Form 1675 Response for Erosion Control:
Inspector’s Daily Report for Environmental/Erosion Control Contractor

<table>
<thead>
<tr>
<th>Pay Item</th>
<th>Standard/Metric Unit</th>
<th>Quantity</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Temporary Silt Fence</td>
<td>LF</td>
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<tr>
<td>Temporary Mulching</td>
<td>AC</td>
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<tr>
<td>Seed-Temporary Seeding</td>
<td>LB</td>
<td></td>
<td></td>
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<tr>
<td>Fertilizer-Temporary Seeding</td>
<td>TN</td>
<td></td>
<td></td>
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<tr>
<td>Matting for Erosion Control</td>
<td>SY</td>
<td></td>
<td></td>
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<tr>
<td>Coir Fiber Mat</td>
<td>SY</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perm. Soil Reinforcement Mat</td>
<td>SY</td>
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<tr>
<td>Seeding and Mulching</td>
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<td>Seed for Supplemental Seeding</td>
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<tr>
<td>Fertilizer Topdressing</td>
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<tr>
<td>Response for Erosion Control</td>
<td>EA</td>
<td></td>
<td></td>
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<tr>
<td>Safety Fence/Highly Visible Fence</td>
<td>LF</td>
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</tbody>
</table>

**Additional Work (repairs/re-installations that will not be paid for by NCDOT)**

Authorized by Prime Contractor Rep: __________________________ Purchase Order No.: __________________________

Description/Location: __________________________

Pay Item: __________________________ Quantity: __________________________

We agree that this work to be performed: __________________________ We agree that this work was performed: __________________________

NCDOT Representative: __________________________ NCDOT Representative: __________________________

Prime Representative: __________________________ Prime Representative: __________________________

Use reverse for area descriptions/sketches as needed.
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- Erosion and Sedimentation Inspection Report Form
- NPDES Inspection Report Form
- Response For Erosion Control Form

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