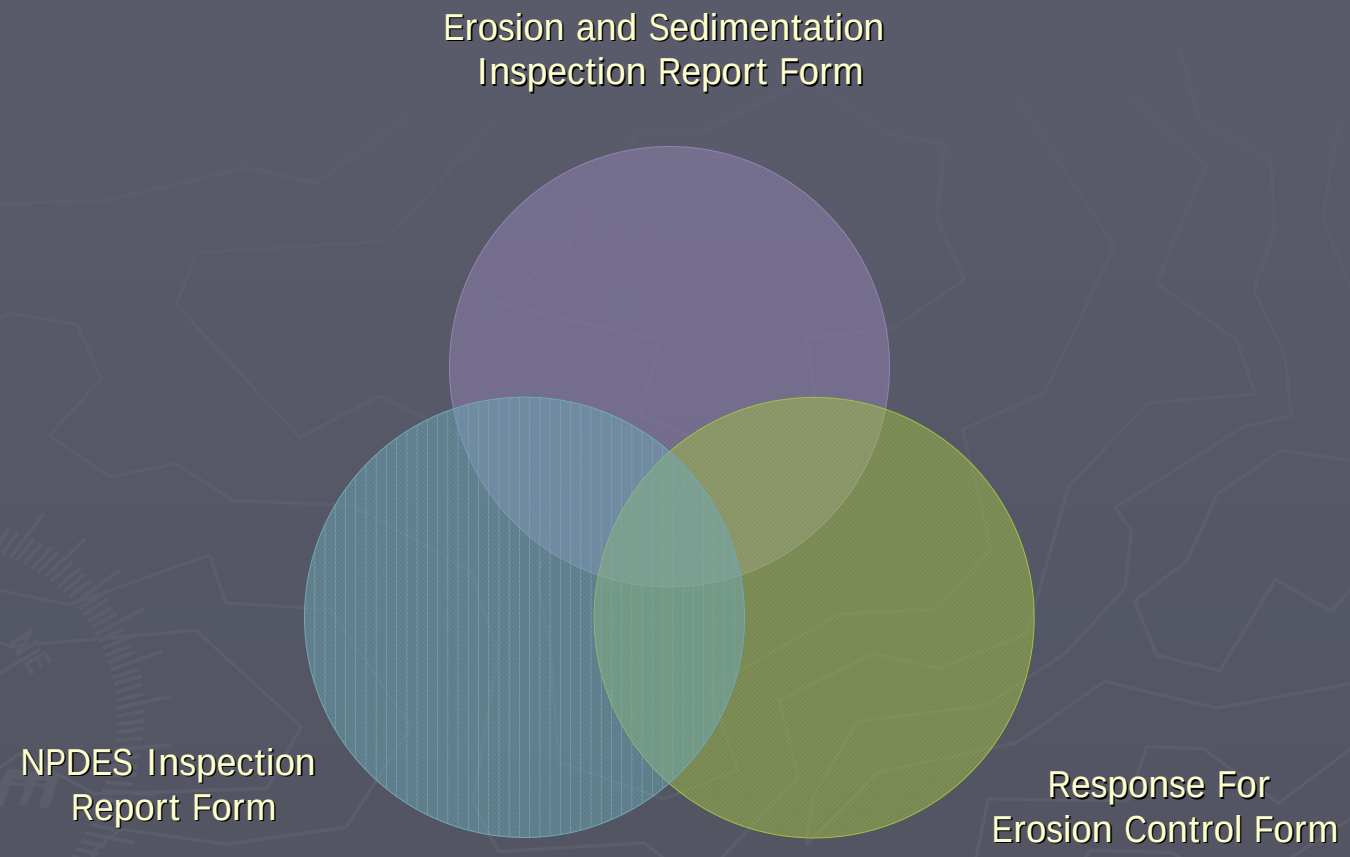
Environmental Forms

David B. Harris
Roadside Environmental Unit

Environmental Forms



Environmental Forms

Erosion and Sedimentation Inspection Report Form

- Report to be filled out during routine erosion and sedimentation inspections on a project

Environmental Forms

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

Environmental Forms

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

Environmental Forms

Erosion and Sedimentation Inspection Report Form

Erosion Control Inspection

Project No. _____ Report No. _____ Date: _____

County _____ Contractor _____ Page _____ of _____

Station	Location	Type Device	Recommended Corrections
**			

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.D.O.T 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

Environmental Forms

Erosion and Sedimentation
Inspection Report Form

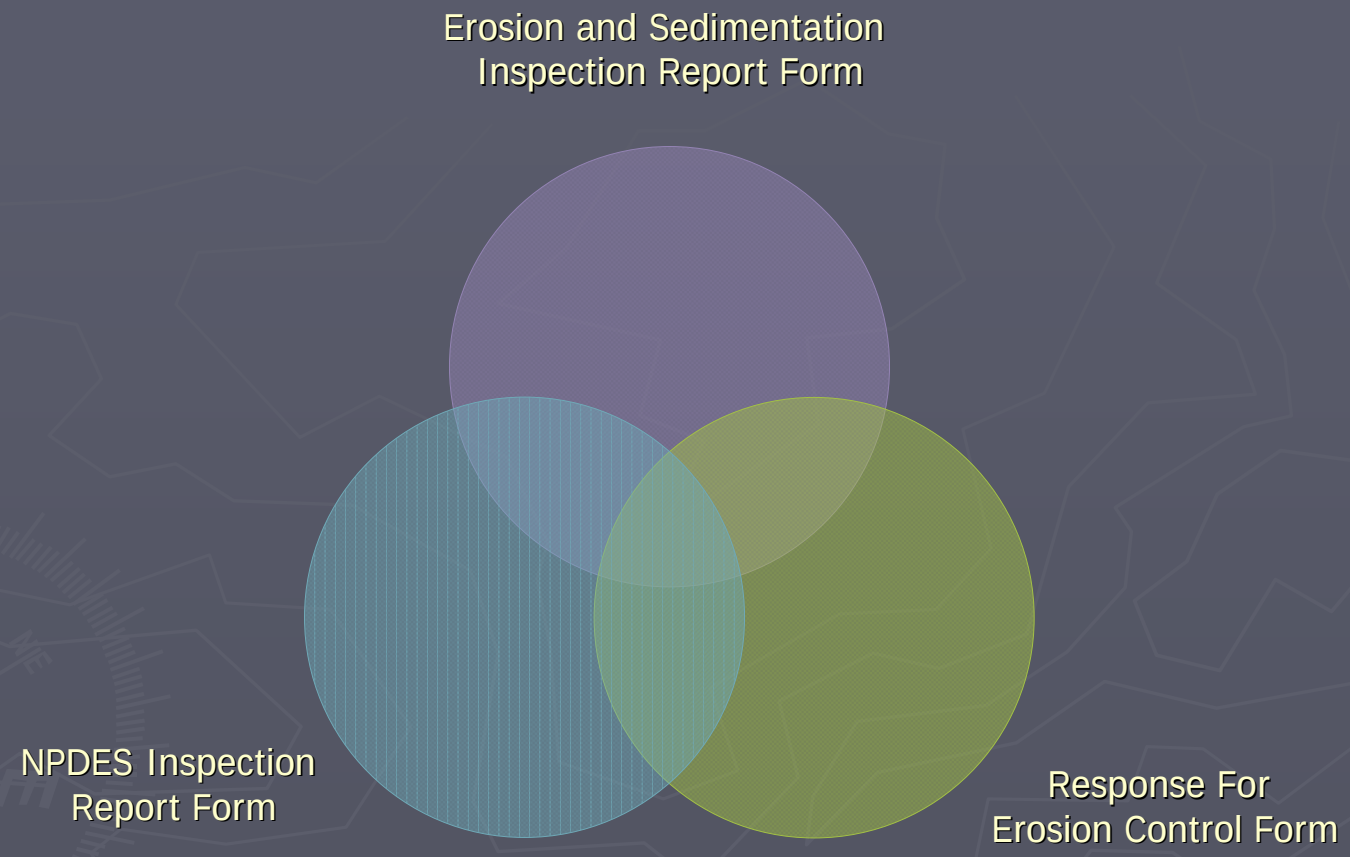
Example of Report
Construction Manual
Page 16-7

Environmental Forms

Erosion and Sedimentation
Inspection Report Form

DENR: Land Quality Section

Environmental Forms



Environmental Forms

NPDES
Inspection Report Form

National Pollutant Discharge Elimination System

NPDES
Inspection Report Form

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

NPDES Inspection Report Form WHEN?

Once a Week or after every ½ inch Rainfall event

or

Twice a week or after every ½ inch rainfall event for 303d listed streams

Environmental Forms

NPDES
Inspection Report Form

Outfall Points

NPDES Inspection Report Form

FOR CONSTRUCTION ACTIVITIES
SPPPFORM30

North Carolina Department of Transportation
Stormwater Inspection Form
Permit NCG010000

Project No:____________ Division:______
County:_______________ Project Type:_______________
Location:______________________ Water Classification:_____

Indicate in Water Classification if it is:
C-Standard **Trout**-Trout Waters
HQW-High Quality Water
303d-Stream that has been identified as being impaired due to sediment or turbidity

Date:____________
Rainfall: No ☐ Yes ☐ amt.____in
Evaluator:________________________

Visible Sediment leaving the project right of way and into jurisdictional areas: Y/N___
Are there any signs of fuels, lubricants, coolants, or other contaminants discharged on the ground or surface waters? Y/N___
If the answer is YES, indicate locations and corrective actions taken below.

Inspect all erosion and sediment control measures on projects that are one acre or greater at least once every 7 calendar days (at least twice every 7 calendar days for facilities discharging to 303(d) listed waters 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.

Comments and Corrective Actions:

Date:____________
Rainfall: No ☐ Yes ☐ amt.____in
Evaluator:________________________

Visible Sediment leaving the project right of way and into jurisdictional areas: Y/N___
Are there any signs of fuels, lubricants, coolants, or other contaminants discharged on the ground or surface waters? Y/N
If the answer is YES, indicate locations and corrective actions taken below.

Inspect all erosion and sediment control measures on projects that are one acre or greater at least once every 7 calendar days (at least twice every 7 calendar days for facilities discharging to 303(d) listed waters 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.

Comments and Corrective Actions:

Date:____________
Rainfall: No ☐ Yes ☐ amt.____in
Evaluator:________________________

Visible Sediment leaving the project right of way and into jurisdictional areas: Y/N___
Are there any signs of fuels, lubricants, coolants, or other contaminants discharged on the ground or surface waters? Y/N
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Comments and Corrective Actions:

Date:____________
Rainfall: No ☐ Yes ☐ amt.____in
Evaluator:________________________

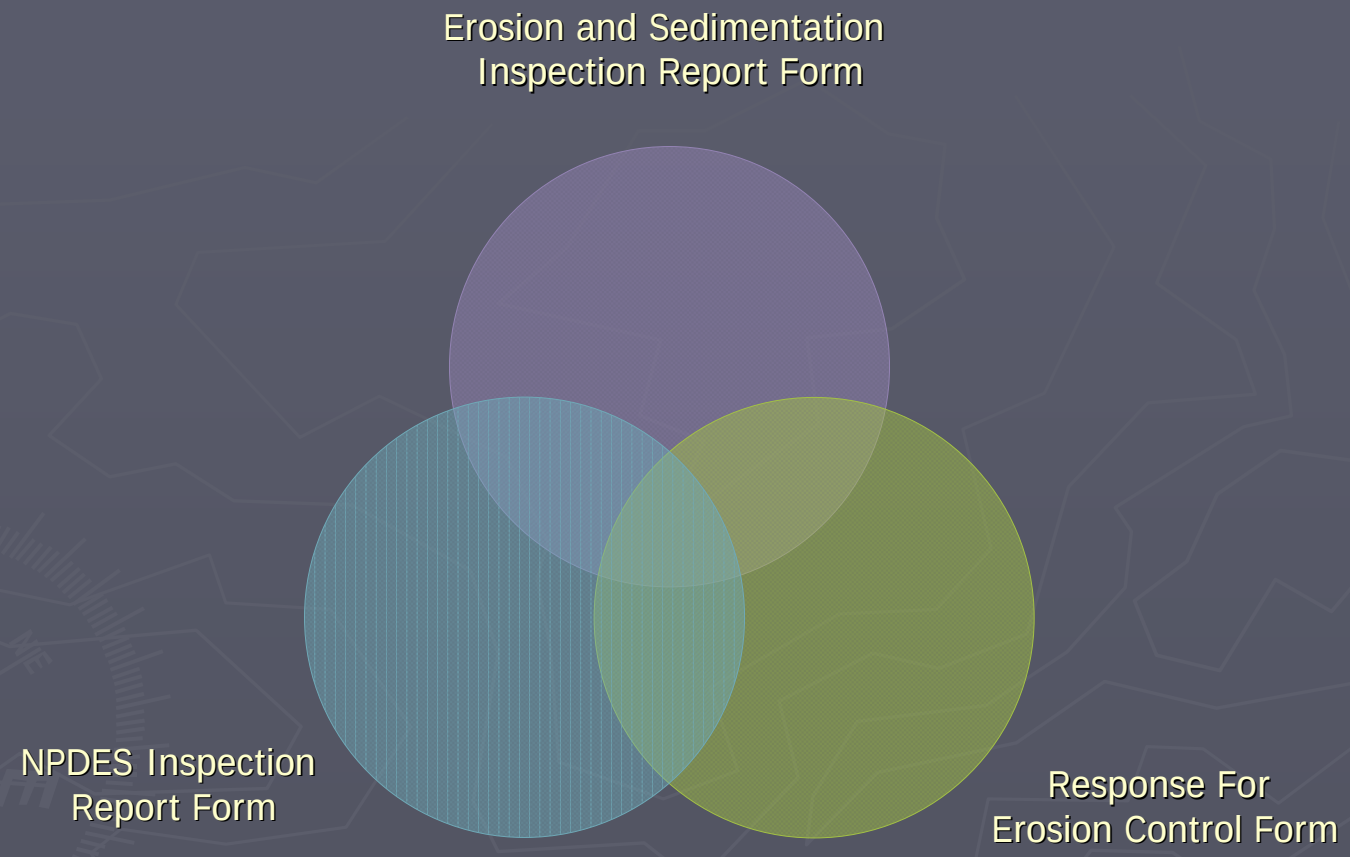
Visible Sediment leaving the project right of way and into jurisdictional areas: Y/N___
Are there any signs of fuels, lubricants, coolants, or other contaminants discharged on the ground or surface waters? Y/N___
If the answer is YES, indicate locations and corrective actions taken below.

Inspect all erosion and sediment control measures on projects that are one acre or greater at least once every 7 calendar days (at least twice every 7 calendar days for facilities discharging to 303(d) listed waters 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.

Comments and Corrective Actions:

Is the entire project vegetated and permanently stabilized? Yes ☐ No ☐
Final Inspection Date:__________ Evaluator:________________________

Environmental Forms



Environmental Forms

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

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

Form 1675 July 2006

Inspector's Daily Report for Environmental/Erosion Control Contractor (EECC)

Project: _____ Day & Date: _____

_____ Prime: _____

Sub: _____ Sub Foreman: _____

Area Description:

Pay Item	Standard/Metric Unit		Quantity	Comments
Temporary Silt Fence	LF	M		
Temporary Mulching	AC	HA		
Seed-Temporary Seeding	LB	KG		
Fertilizer-Temporary Seeding	TN	MTN		
Matting for Erosion Control	SY	M^2		
Coir Fiber Mat	SY	M^2		
Perm. Soil Reinforcement Mat	SY	M^2		
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 Fence/Highly Visible Fence	LF	M		

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 is the work to be performed: We agree that this work was performed:

NCDOT Representative: _____ NCDOT _____

Prime Representative: _____ Prime _____

Use reverse for area descriptions/sketches as needed.

Environmental Forms