

# What's Hot in Environmental?

Presenters:

Chad Long – NEPA Division Manager

Sean Connolly – Permit Division Manager

Jay Hawkins, P.E. – Compliance Division Manager

Annual SCDOT/ACEC-SC Meeting  
December 7, 2016

# NEPA Topics

- ❖ CE Programmatic Agreement with FHWA
- ❖ Migratory Birds
- ❖ Greenhouse Gas Update
- ❖ Public Involvement

Chad Long – NEPA Division Manager

# Categorical Exclusions

- New Agreement with FHWA (May 23, 2016)
- Establishes 2 new types of CE Documents
- Addresses new classes of action that require CE processing



# PROGRAMMATIC CE

- Does Not Require FHWA Approval
- Must define the regulatory class of action within 23 CFR 771.117
- Must meet a number of “environmental thresholds”



PROCESSING FORM FOR PROGRAMMATIC CATEGORICAL EXCLUSIONS  
NON MAJOR FEDERAL ACTIONS

State ID  Fed Project #  Route  County

Part 1 - Project Description

Include the Project Name/Description

Part 2 - PCE Type

Select the appropriate Categorical Exclusion from 23 CFR Part 771.117 that best fits the entire project from the drop-down menu. **Reference Appendix A of the PCE Agreement for a more detailed description of each CE contained in 23 CFR 771.117.**

23 CFR 771.117(c)

23 CFR 771.117(d)

Part 3 - Thresholds

To be processed as a Programmatic Categorical Exclusion (PCE) the following conditions must be met in addition to the General Criteria (as outlined in the PCE Agreement between FHWA-SC and SCDOT). Place a "X" in the appropriate box below. If the answer is "Yes" to any of the below criteria, SCDOT will consult with FHWA-SC to determine the appropriate level of NEPA documentation required and forward to FHWA-SC for approval. **\*Reference Part 4 of the Processing form or Section IV of the PCE Agreement for more details and definitions regarding each threshold.**

1.	Involves any unusual circumstances as described in <u>*23 CFR Part 771.117(b)</u>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
2.	The acquisition of more than <u>*minor amounts</u> of temporary or permanent strips of right-of-way	<input type="checkbox"/> Yes	<input type="checkbox"/> No

# NON PROGRAMMATIC CE

- Exceed Programmatic CE Threshold but still meet requirements for processing as a CE
- Similar to old “CE Type C” documents
- Example on SCDOT’s website under Environmental Tool Shed

# NEW ACTIONS THAT REQUIRE CE

23 CFR Part 771.117 (c)(24)

Localized geotechnical and other investigations to provide information for preliminary design and for environmental analyses and permitting purposes, **such as drilling test bores for soil sampling**, archaeological investigations...and wetland surveys



# NEW ACTIONS THAT REQUIRE CE

“Localized geotechnical and other investigations to provide information for preliminary design”

## **SCDOT Requirements:**

**Preliminary Subsurface Investigations outside of existing right-of-way**

## **PCE Requirements**

- Brief description of work
- Map showing proposed test bores and access areas
- Statement that proposed work would not threaten any known T&E species and/or historic properties



# MIGRATORY BIRD TREATY ACT

1918 (16 U.S.C. 703-712)

Specific provision in the statute includes the prohibition:

Establishment of a Federal prohibition, unless permitted by regulations, to "pursue, hunt, **take**, capture, kill, attempt to take, capture or kill, possess, offer for sale, sell, offer to purchase, purchase, deliver for shipment, ship, cause to be shipped, deliver for transportation, transport, cause to be transported, carry, or cause to be carried by any means whatever, receive for shipment, transportation or carriage, or export, at any time, or in any manner, any migratory bird, included in the terms of this Convention . . . for the protection of migratory birds . . . or **any part, nest, or egg of any such bird.**" (16 U.S.C. 703)

# MIGRATORY BIRD TREATY ACT

Over 800 birds protected under the Act!!!!!!



← Barn Swallow



Cliff Swallow →











# MIGRATORY BIRD TREATY ACT

- New Contract with USDA to manage Migratory Birds for all construction projects
- Updated Environmental Commitment Language
- Should see a reduction in the # of takes through more active management

***“CAUSE I AM AS FREE AS A BIRD NOW, AND THIS BIRD YOU CANNOT CHANGE”-LYNYRD SKYNYRD***





# CEQ GUIDANCE ON GREENHOUSE GAS

- August 1, 2016



CEQ issued guidance to assist federal agencies in their consideration of the effects on GHG emissions and climate change

# CEQ Climate Change Guidance

South Carolina Division Office

Hues of Blue at J. Strom Thurmond Reservoir

- Only applies to EAs and EISs
- Two sections:
  - Potential effects of a proposed action on climate change
  - Effects of climate change on proposed action and its environmental impacts
    - The Effects of climate change on the proposed action
    - The Effects of climate change on the potential environmental impacts associated with proposed action
- Planning level approach recommended – until then, will be doing project level analyses

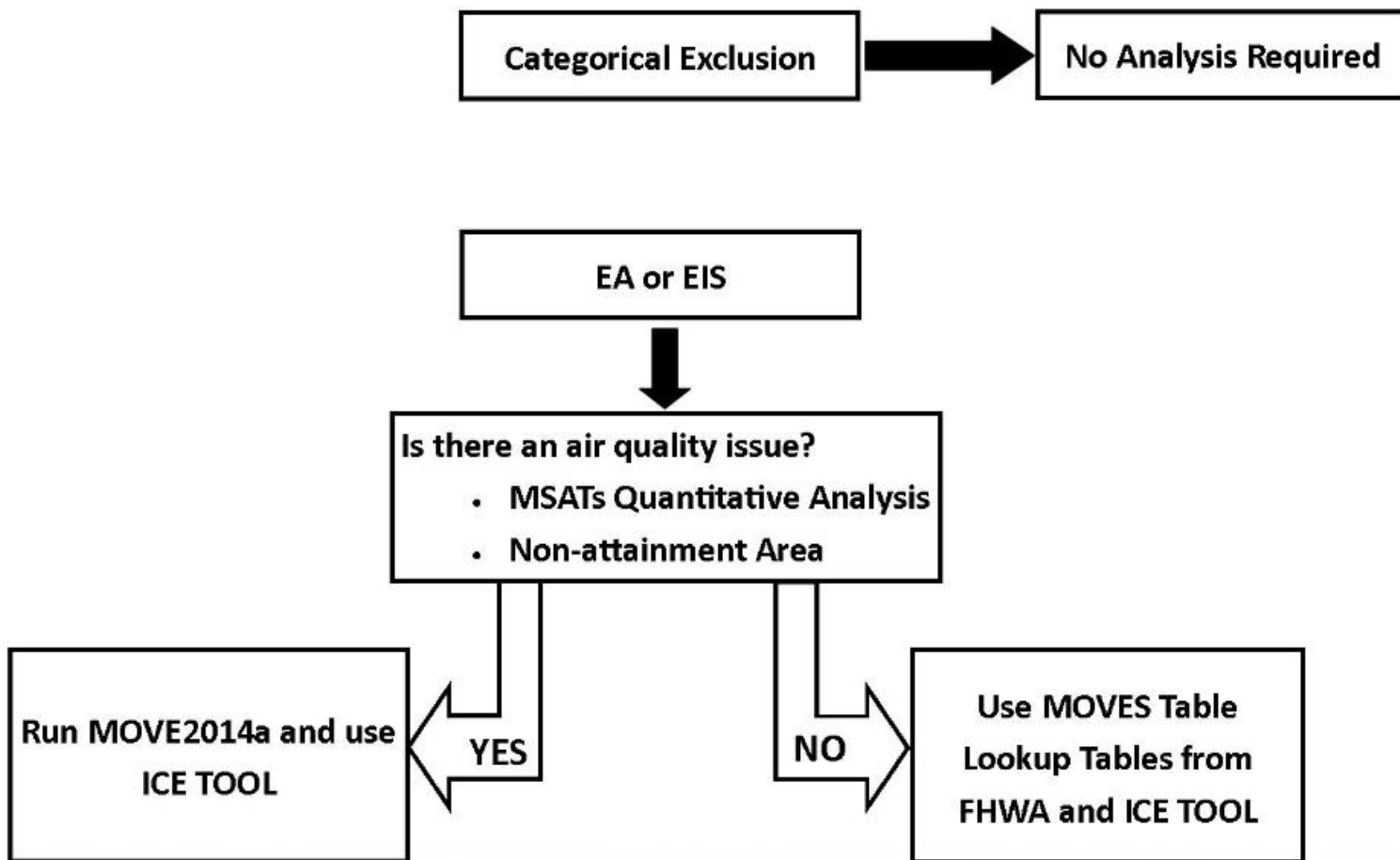


# GHG Analysis Flowchart

South Carolina Division Office

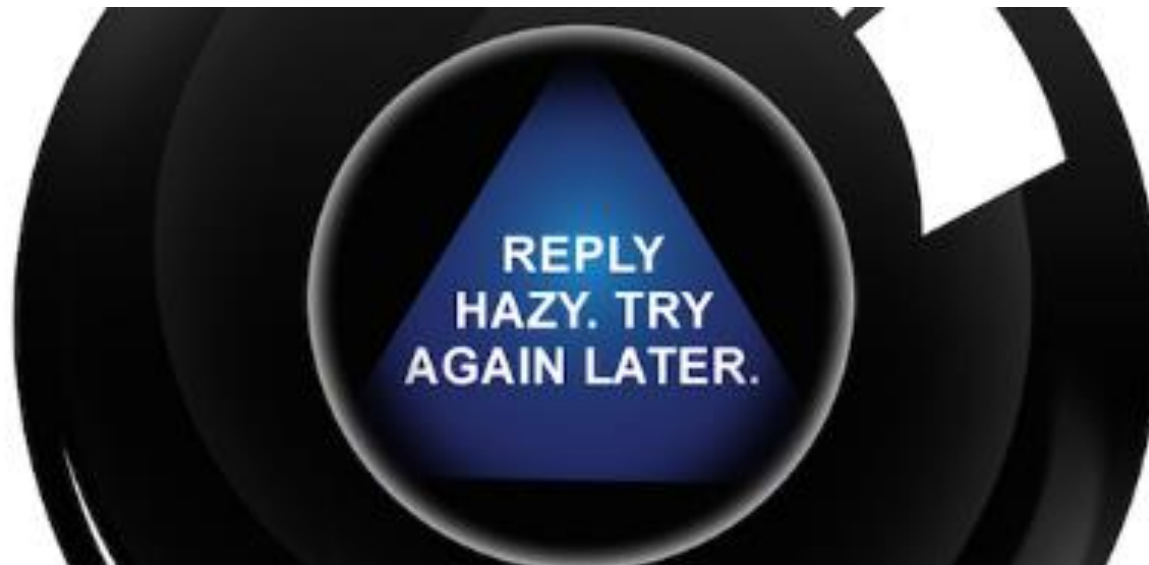
Hues of Blue at J. Strom Thurmond Reservoir

## GHG Analysis based on type of NEPA Document



# HOW DO WE CONSIDER “CLIMATE EFFECTS ON ENVIRONMENTAL RESOURCES IMPACTED BY THE PROPOSED ACTION?”

- Cumulative Impacts Section
- Climate Change Literature



# HOW DO WE CONSIDER “CLIMATE EFFECTS ON ENVIRONMENTAL RESOURCES IMPACTED BY THE PROPOSED ACTION?”

- Indirect and Cumulative Impacts Section
- Climate Change Literature

**Just HANG ON!  
HELP IS ON THE WAY!**



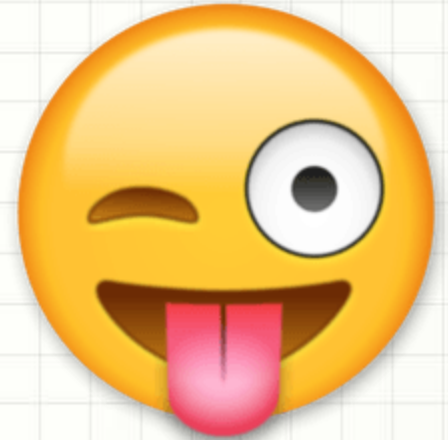
# Public Involvement

- Updating Public Involvement Policy
- Website
- Looking for new and creative ways to engage the public!





twitter



wikimapia

facebook®



**WE WANT YOU!**



# Permitting Topics

- ❖ USACE General Permit
- ❖ USACE Standard Drawings
- ❖ Mitigation Update

Sean Connolly – Permit Division Manager

# USACE General Permit

- Effective July 20, 2016 to July 20, 2021
- New Pre-Construction Notification Form replaces the Impact Assessment Form and Permit Checklist.
- There are multiple GPs available for SCDOT use depending on project type. GP requirements, conditions and impact thresholds vary for each permit.
- Details can be found on SCDOT's ESO Toolshed under Permits – USACE.  
[http://www.scdot.org/inside/EnvironmentalServices\\_Toolshed.aspx](http://www.scdot.org/inside/EnvironmentalServices_Toolshed.aspx)

# Summary Table – USACE General Permit

Permit/Certification Type	Project Types	Impact Thresholds	Expiration	Approximate Approval Timeframe
SCDOT GP Road Widening SAC 2015-1280 Intersection Improvements SAC 2015-1281 Bridge Replacements SAC 2015-1282	Modification of existing roads. Cannot be used on new alignments.	Freshwater – 3.0 acres wetland 300 lf stream Tidal – 0.50 acres wetland	Expires July 20, 2021. Construction must be complete 1 year after expiration.	4-6 months
SCDOT GP Roadway Improvements SAC 2015-1283 (shoulder widening, pedestrian accommodations)	Modification of existing roads. Cannot be used on new alignments.	Freshwater – 2.0 acres wetland 300 lf stream Tidal – 0.50 acres wetland	Expires July 20, 2021. Construction must be complete 1 year after expiration.	4-6 months
SCDOT GP Roadway Maintenance and Riprap/Scour Protection SAC 2015-1284	Protection and maintenance of existing roadway surfaces	Freshwater – 2.0 acres wetland 200 lf stream Tidal – 0.50 acres wetland	Expires July 20, 2021. Construction must be complete 1 year after expiration.	45 days following USACE receipt of complete application
SCDOT GP Pipe and Culvert Maintenance SAC 2015-1285	Maintenance, replacement or extension of existing pipe or culvert	Freshwater – 1.0 acres wetland 100 lf stream Tidal – 0.50 acres wetland	Expires July 20, 2021. Construction must be complete 1 year after expiration.	45 days following USACE receipt of complete application
SCDOT GP Cleaning and Repairing Existing Structures and Ditches SAC 2015-1286	Modification of existing drainage ditches, installation of rip rap	Freshwater – 1.5 acres wetland 300 lf stream Tidal – 0.50 acres wetland	Expires July 20, 2021. Construction must be complete 1 year after expiration.	45 days following USACE receipt of complete application

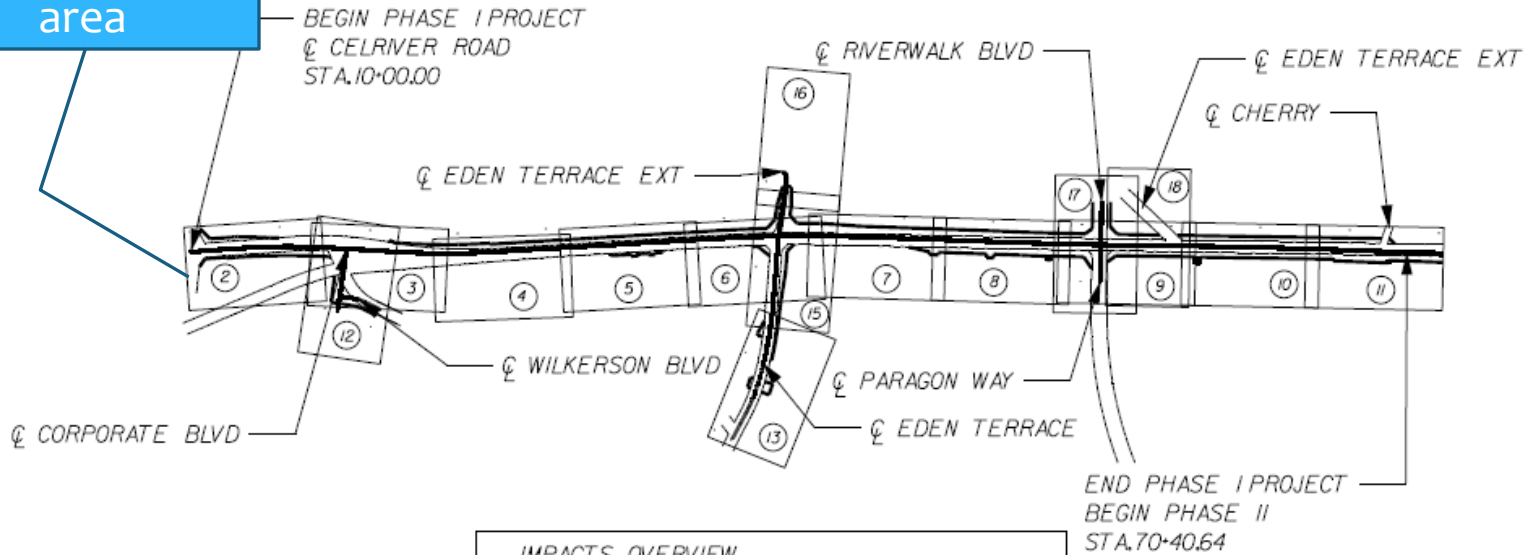
# Permit Drawings

- Permit drawings have been simplified
  - Details of upland activities (upland pipes, driveways, fences, etc) should not be included.
  - NPDES and ROW lines should be removed. The JD Project Boundary should be used instead.
  - Details sheets for the entire project area are not needed. Instead, include:
    - Sheet 1 – Location map.
    - Sheet 2 – Overview of entire project. Call out wetlands that are not being impacted. (additional sheets can be included for overview on long linear projects)
    - Sheets 3-XX – Details drawings and cross-sections of impacts to WOUS only.

# Old Overview Sheet

Detailed sheets provided for entire project area

TOWNSHIP	STATE	COUNTY	PROJECT	ROAD NO.	SHEET NO.
3	S.C.	YORK	400000	543	18



**IMPACTS OVERVIEW**

WETLAND CUT/FILL - 0.0006 AC

WETLAND CLEAR - 0.0001 AC

STREAMS CUT/FILL - 443.8 LF (0.1560 AC)

STREAMS CLEAR - 26.8 LF (0.0048 AC)

TOTAL - WETLANDS - 0.0007 AC (31.83 SF)

STREAMS - 470.5 LF (0.1614 AC)

SHEET NUMBER (X)

THIS SHEET

	PERM FILL =
	PERM CUT =
	PERM CLEAR =
	TEMP FILL =
	TEMP CLEAR =

JURISDICTIONAL WETLAND BARRIER FENCE PROTECTION
SHEET TOTAL

**PRELIMINARY PLANS**  
 DO NOT USE FOR CONSTRUCTION



NO.	DATE	DESCRIPTION OF REVISION
4		
3		
2		
1		

DATE: \_\_\_\_\_ TIME: \_\_\_\_\_ GROUP: \_\_\_\_\_

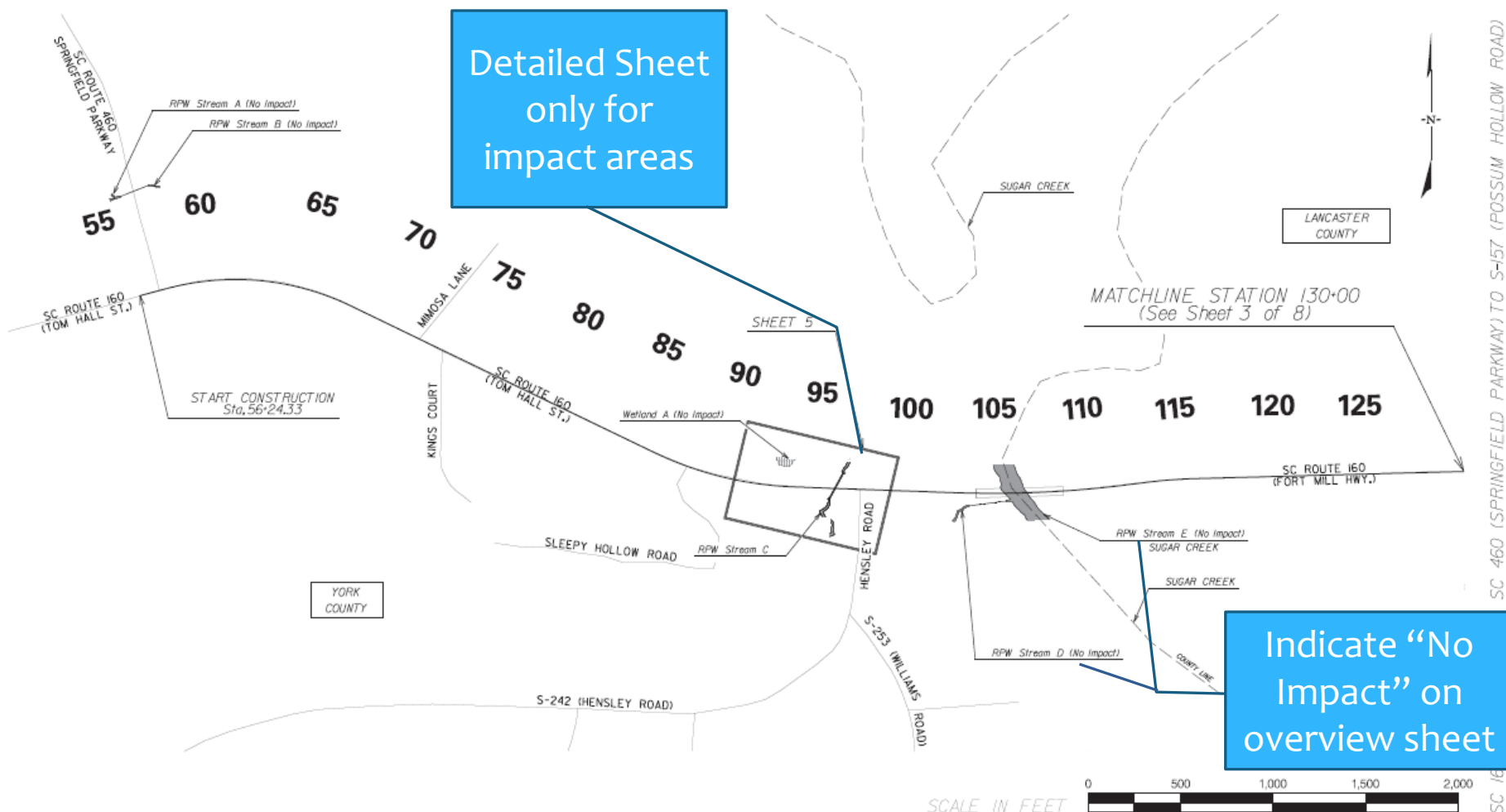
SOUTH CAROLINA  
 DEPARTMENT OF TRANSPORTATION  
 ROAD DESIGN  
 COLUMBIA, S.C.

**WETLAND PERMIT**

COVER SHEET 1/A

SCALE 1"=4000' RTE. S-50

# New Overview Sheet



**LEGEND**

Jurisdictional Stream	
Jurisdictional Wetland	

**Project Impacts**

Permanent Stream (RPW) Fill	104-l (0.028 acre)
Permanent Stream (RPW) Armoring	32-l (0.007 acre)
<b>Total Stream (RPW) Impacts</b>	<b>136-l (0.035 acre)</b>
Jurisdictional Barrier Fence	250-LF

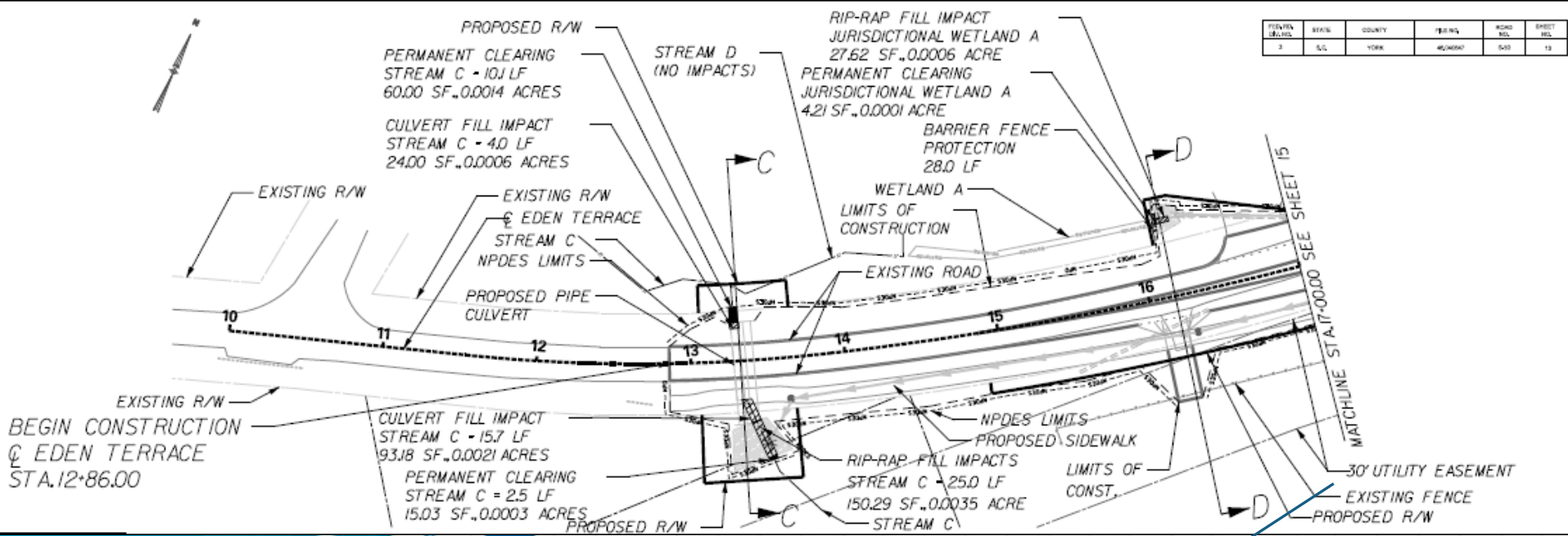
4			
3			
2			
1	January 4, 2018	MTD	
Rev. No.	Date	By	Description of Revision

APPLICATION BY: **SCDOT**  
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION

SC 160 WIDENING  
 FROM SC 460 (SPRINGFIELD PARKWAY)  
 TO S-157 (POSSUM HOLLOW ROAD)  
 YORK AND LANCASTER COUNTY  
 SOUTH CAROLINA

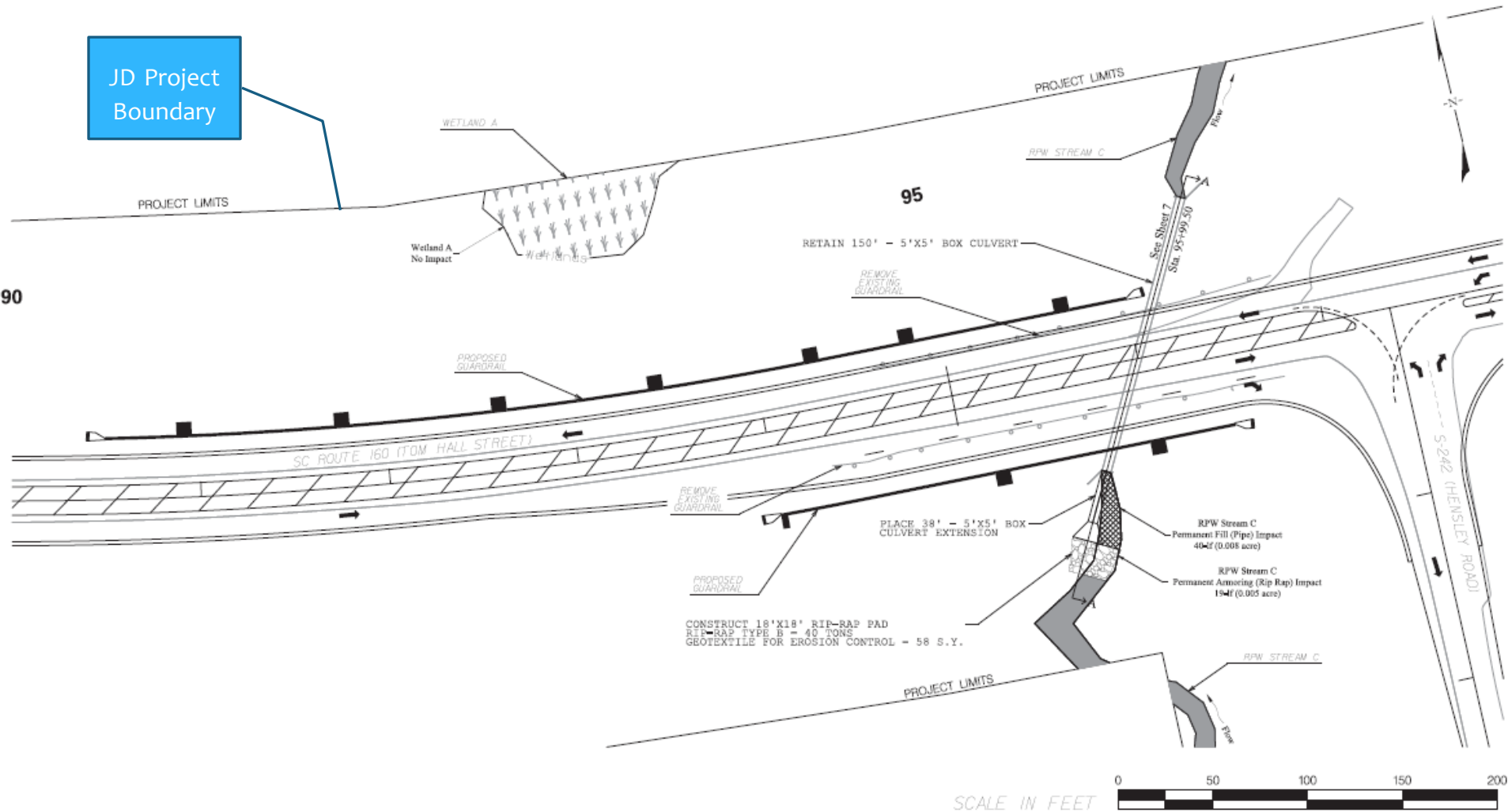
PROJECT PLAN VIEW SHT. 2 OF 8

# Old Permit Plan View



R/W, NPDES and Utility information included












# New Permit Plan View





# New Line Styles (Draft)

- SCDOT is in the process of standardizing line styles for WOUS features and hatching for impact to these features.
- Line styles can be found on SCDOT's website under "Doing Business with SCDOT"

		AREA (ac)			
	PERMANENT FILL IMPACT	45	<del>JURISDICTIONAL</del> WETLANDS	— JW —	JURISDICTIONAL WETLANDS 
	PERMANENT CLEARING IMPACT		<del>JURISDICTIONAL</del> TRIBUTARY	— JT —	JURISDICTIONAL TRIBUTARY 
	TEMPORARY FILL IMPACT	22	<del>ENVIRONMENTAL SENSITIVE AREA</del>	<del>— ESA —</del>	<del>ENVIRONMENTAL SENSITIVE AREA</del> 
	TEMPORARY CLEARING IMPACT		<del>JURISDICTIONAL</del> OPEN WATER	— OW —	<del>JURISDICTIONAL OPEN WATER</del> 
	ARMORING	27	<del>JURISDICTIONAL</del> DITCH	— JD —	CRITICAL (OCRM) AREA 
	TOTAL JURISDICTIONAL IMPACT		<del>NON JURISDICTIONAL</del> DITCH	- - - -	JURISDICTIONAL OPEN WATER 
			TRADITIONALLY NAVIGABLE WATER/OCRM CRITICAL AREA	— TNW —	

# Mitigation Problem Statement

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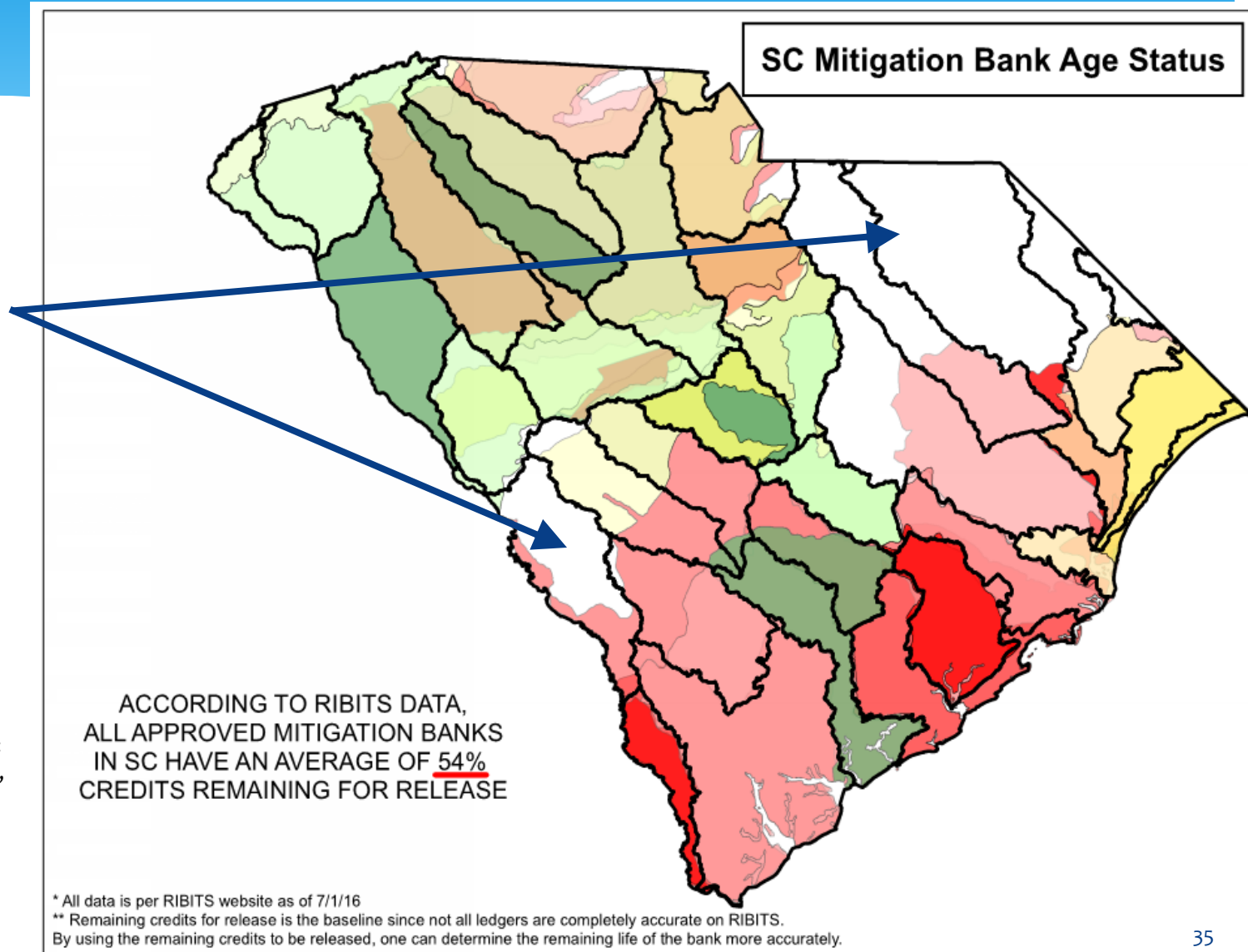
- Few Mitigation Banks
- Little to No Coastal Stream Mitigation Banks
- Concern due to limited credits available even within approved banks
- Permittee-Responsible Mitigation is not economical for smaller projects
- Project delays and complexities
- Volume of Projects

# SC Mitigation Bank Service Areas

Two areas that immediately jump off the map

Zero bank coverage for these areas of the state

\*this does not include SCDOT Mitigation Banks: Black River, Huspa Creek, Big Pine, Hunting Creek Mitigation Banks



# CWA BANK CREDITS VS. PERMITTEE RESPONSIBLE MITIGATION



# Mitigation Solutions

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- Encourage Development of Mitigation Banks
- Better Understanding of Short and Long Term Issues
- Continue Development of an Eco-Logical Approach in South Carolina
- Develop and Maintain Impact Forecast Model
- Encourage Industry Innovation through Partnerships

# Compliance Topics

- ❖ Hazardous Material / Contaminated Soil on SCDOT Construction Projects
- ❖ SCDHEC Compliance Inspections on SCDOT Construction Projects

# Hazardous Material / Contaminated Soil

- Create a Structured and Consistent Approach in Dealing with Hazardous Material / Contaminated Soil
- Known Sources of Contamination – Structures to be demolished (building, house, shed, etc.) , underground storage tanks (USTs), etc.
- Lead Paint and Asbestos Investigations on Bridges are handled by SCDOT Bridge Construction

# Hazardous Material / Contaminated Soil

- Capture All Potential Sources of Contamination as Early as Possible During the Pre-Construction Phase – Initial Site Assessments
- Determine Levels of Contamination – Phase 1 and Phase 2 Inspections
- Include Quantities in Construction Contract for Clean-Up/Disposal







# SCDHEC Compliance Inspections

- SCDHEC Performing Compliance Inspections on SCDOT Construction Projects
- Occurring on a Statewide Basis
- Inspections Performed by DHEC Personnel from Columbia and DHEC District Personnel
- Random Inspections and Complaint Driven Inspections

# SCDHEC Compliance Inspections

- Records Review
  - NOI
  - Contractor Certification Form
  - SWPPP
  - Most Recent Erosion Control Reports ( 2 months worth)
  - Grading and Stabilization Log



**SCDOT NOTICE OF INTENT (NOI)**  
**For Stormwater Discharges from SCDOT Activities**  
**Covered Under South Carolina NPDES Construction**  
 General Permit  
 (Maintain Act)



For Official DHEC Use Only

DHEC File Number: \_\_\_\_\_  
 Permit Number: SCR16 \_\_\_\_\_  
 Submittal Package Complete: \_\_\_\_\_  
 Public Notice Start Date (OCRM only): \_\_\_\_\_

For official SCDOT use only

SCDOT File Number: \_\_\_\_\_  
 Submission of this Notice of Intent constitutes notice that the SCDOT  
 authorized as a Primary Permittee under NPDES General Permit S

Date of Submission: \_\_\_\_/\_\_\_\_/\_\_\_\_ Proposed Start

Project/Site Name: \_\_\_\_\_

(Modification or Change of Information Only): Prior Approved NP

Do you want this project to be considered for the Expedite

I. Notice of Intent (NOI) Application Type(s)

A. Project (Application/Review) Type(s) (Select ALL)

- New Project (Initial Notification)  Ongoing Project  
 Major Modification: (attach modifications)  
 Ocean and Coastal Resource Management (OCRM)  
 Change of Information/Other (Specify): \_\_\_\_\_

II. Owner and Operator Information

Project Owner: South Carolina Department of Transportation  
 SCDOT EIN: 57-6000954 Phone: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_

Project Operator: South Carolina Department of Transportation  
 Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_

III. Site Information

Type of Activity (check one):  Industrial  Linear  
 Site Location (nearest intersection, etc.): \_\_\_\_\_  
 City/Town: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  
 Beginning Latitude: \_\_\_\_° \_\_\_\_' \_\_\_\_" N Longitude: \_\_\_\_° \_\_\_\_' \_\_\_\_"  
 Ending Latitude: \_\_\_\_° \_\_\_\_' \_\_\_\_" N Longitude: \_\_\_\_° \_\_\_\_' \_\_\_\_"

VI. Signatures and Certifications: DO NOT SIGN IN BLACK INK!

A. "One copy of the SWPPP, all required specifications and supports made a part of this application. I have placed my signature and responsibility for the design of the system. Further, I certify to the with the requirements of Title 48, Chapter 14 of the Code of Law seq., and in accordance with the terms and conditions of SCR1600

Check one:  Engineer  Tier B Surveyor

Printed name of SWPPP Preparer \_\_\_\_\_ Signature of SWPPP Preparer \_\_\_\_\_

B. "I certify under penalty of law that this document and all attachments in accordance with a system designed to assure that qualified persons. Based on my inquiry of the person or persons who manage the project information, the information submitted is, to the best of my knowledge, there are significant penalties for submitting false information, or violations.

I also hereby certify that all land-disturbing construction and activities pursuant to and in keeping with the terms and conditions of the approved permit. I will be assigned to the project for day-to-day control. I will Environmental Control (DHEC) and/or the local implementing agency on-site inspections during the course of construction and to perform disturbing activity. (See Section 122.22 of S.C. Reg. 61-9 for site information, I am signing this certification as Project Owner to the

Printed Name of Project Owner \_\_\_\_\_

Signature of Project Owner \_\_\_\_\_

NPDES SCDOT CGP

DO NOT MAIL CASH. DHEC will notify the Project Owner if it is not processed. The review clock will start when acceptable payment is received.

1. Will this project ultimately disturb 1 acre or more state wide in one of the eight coastal counties (Beaufort, Berkeley, Charleston, Jasper counties)?  Yes  No

If yes, enter \$125 in right-hand column and proceed to item 2. If no, coverage under SCR160000 is not required.

Note: For projects greater than 2 acres SCDHEC may require coverage not to exceed \$2000.

4. Payment Method:

- Payment by Check:  
 Attach a signed and dated check payable to S.C. DHEC. Please note that all checks must be less than 30 days old.  
 Payment by Credit Card: (Check here if you wish to pay by credit card)  
 The Department will contact you to provide instructions. Please provide an email address where the invoice number and amount can be sent.  
 Email Address: \_\_\_\_\_  
 Payment by Credit Card: (Check here if this is an automatic payment)

For official use only: Invoice Number \_\_\_\_\_



Catherine E. Heigel, Director  
*Promoting and protecting the health of the public and the environment*

December 31, 2015

CLAUDE IPOCK  
 SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
 955 PARK ST  
 ROOM 330  
 COLUMBIA SC 29202

RE: INTERSTATE 85/385 INTERCHANGE, Greenville County  
 File Number: 23-15-12-06  
 NPDES Coverage Number: SCR160177

Dear Claude Ippock:

The Department of Health and Environmental Control (Department or DHEC) has approved the Stormwater Pollution Prevention Plan (SWPPP) for the referenced project on **December 31, 2015**. Based on your submission of the Notice of Intent (NOI) and in accordance with the NPDES General Permit for Stormwater Discharges from South Carolina Department of Transportation Construction Activities SCR160000 (DOTCGP), this project has been granted coverage under the DOTCGP. This project's general permit coverage number is **SCR160177**. The total disturbed area for this site is **161.2 acres**.

Because this project impacts waters of the U.S./ State, make sure you obtain all necessary permits and certifications from USACOE and SC DHEC 401 Water Quality Certification, Standards Section before land-disturbing activities begin in those areas.

You are responsible for ensuring your contractor(s) complies with the approved SWPPP and the minimum requirements of the DOTCGP. Also, you are responsible for overall compliance with the Storm Water Management and Sediment Reduction Act of 1983 (1983 Act), SC Pollution Control Act, and the Federal Clean Water Act (CWA). Failure to comply with the approved SWPPP or applicable statutes and regulations may result in enforcement actions.

You must notify this DHEC EQC Regional Office prior to starting any land-disturbing activity. The address and telephone number of the EQC office are as follows:

Greenville EQC Office  
 301 UNIVERSITY RIDGE STE 5800  
 GREENVILLE SC 29601-3677  
 864-372-3273

Inspections of this site must be performed by qualified personnel as described in Section 3.13.E of the DOTCGP.

You should be aware that this approval is only applicable for the SWPPP that was submitted for this project. Any additional construction or land disturbing activity beyond the scope of the approved plans is



### CONTRACTOR CERTIFICATION FORM

For Coverage(s) Under South Carolina

NPDES General Permit For

Stormwater Discharges From Construction Activities SCR 160000

(Maintain As Part of On-Site SWPPP)



Date: \_\_\_\_\_

#### A. Project Information

1. NPDES Coverage No.: SCR \_\_\_\_\_ State Permit (Tracking) No.: \_\_\_\_\_  
 2. Project/Site Name (As Approved by Department): \_\_\_\_\_  
 3. Owner/Operator Name: South Carolina Department of Transportation (SCDOT).

#### B. Contractor Information

1. Name: \_\_\_\_\_ Title/Position: \_\_\_\_\_  
 Mailing Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Company Name (As Applicable): \_\_\_\_\_  
 Phone: \_\_\_\_\_ Email Address: \_\_\_\_\_  
 2. Describe Construction-Related Responsibilities & Activities (linear construction, facility construction)  
 \_\_\_\_\_

#### C. Contractor Certification Statements & Agreement: (Read the Contractor Certification statements below (in entirety) and provide date and signature of agreement below). See Section 122.22 of S.C. Reg. 61-9 for signatory authority requirements. **DO NOT SIGN IN BLACK INK!**

*"I certify by my signature below that I or I (on behalf of my company and its contractors and agents), as the case may be,*

- (a) Understand, accept, and will adhere to the provisions of the Stormwater Pollution Prevention Plan (SWPPP) as it pertains to the portion of the project I am or my company is responsible for, and as required by the coverage under the National Pollutant Discharge Elimination System (NPDES) General Permit for Stormwater Discharges From Construction Activities SCR160000 issued to SCDOT of the construction activity with whom I am or my company is under contract to perform construction related professional services;*
- (b) Am legally accountable to the SC Department of Health and Environmental Control (DHEC), under the authorities of the Clean Water Act and the SC Pollution Control Act, to ensure compliance with the terms and conditions of the SWPPP applicable to my or my company's portion of the project;*
- (c) Must comply with the terms and conditions of the SCDOT Construction General Permit (SCDOT CGP), will adhere to applicable standards and stormwater erosion control practices established in the SWPPP, the Best Management Practices (BMP) manual, and SCDOT Standard Specifications at all times while performing work at the project site, and agree to implement corrective actions identified by the qualified inspector during a site inspection; and*
- (d) Understand that DHEC enforcement actions may be taken against the permittee, the contractor or both if the terms and conditions of the SWPPP are not met.*

*Therefore, having understood the above information, I am signing this certification as contractor to the aforementioned NPDES general permit."*

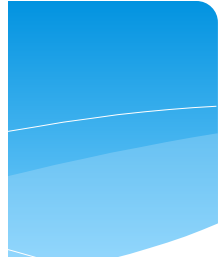
Printed Name of Contractor \_\_\_\_\_ Title/Position \_\_\_\_\_

Signature of Contractor \_\_\_\_\_ Date Signed \_\_\_\_\_

**Termination of Contractor Certification Agreement: DO NOT SIGN IN BLACK INK!**  
(When the permitted construction project has reached final acceptance by SCDOT, sign and date below)

Signature of Contractor \_\_\_\_\_ Date Signed \_\_\_\_\_

# WEEKLY SEDIMENT AND EROSION CONTROL SITE INSPECTION REPORT



Unique ID:

Status:

File No:

Road No:

Addl Road Info:

Contractor:

Disturbed Acreage:

Inspector for SCDOT:

Inspector for Contractor:

Comments:

Actions Taken:

Each deficiency must be corrected within 48 hours of the date of inspection in accordance with the requirements. Failure to do so will result in suspension of the permit.

Date:

SubFile No:

Report No:  Permit No:

RCE:

Priority values: 1=48 hours, 2=7 days

Item No.	Station From/To	Road	Offset (L/C/R)	Item Description	Deficiencies	Priority	Install Date	Removal Date	Corrective Action Needed	Date Corrected
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="checkbox"/>	<input type="text"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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# Grading and Stabilization Log



File No.		Grubbing		Grading (Embankment/Excavation)		Initial Stabilization		Type of Initial Stabilization	Permanent Seeding		Remarks	
Road Name	Station	Station	Begin Date	End Date	Begin Date	End Date	Begin Date	End Date	Mulch or Temporary Seeding	Begin Date		End Date

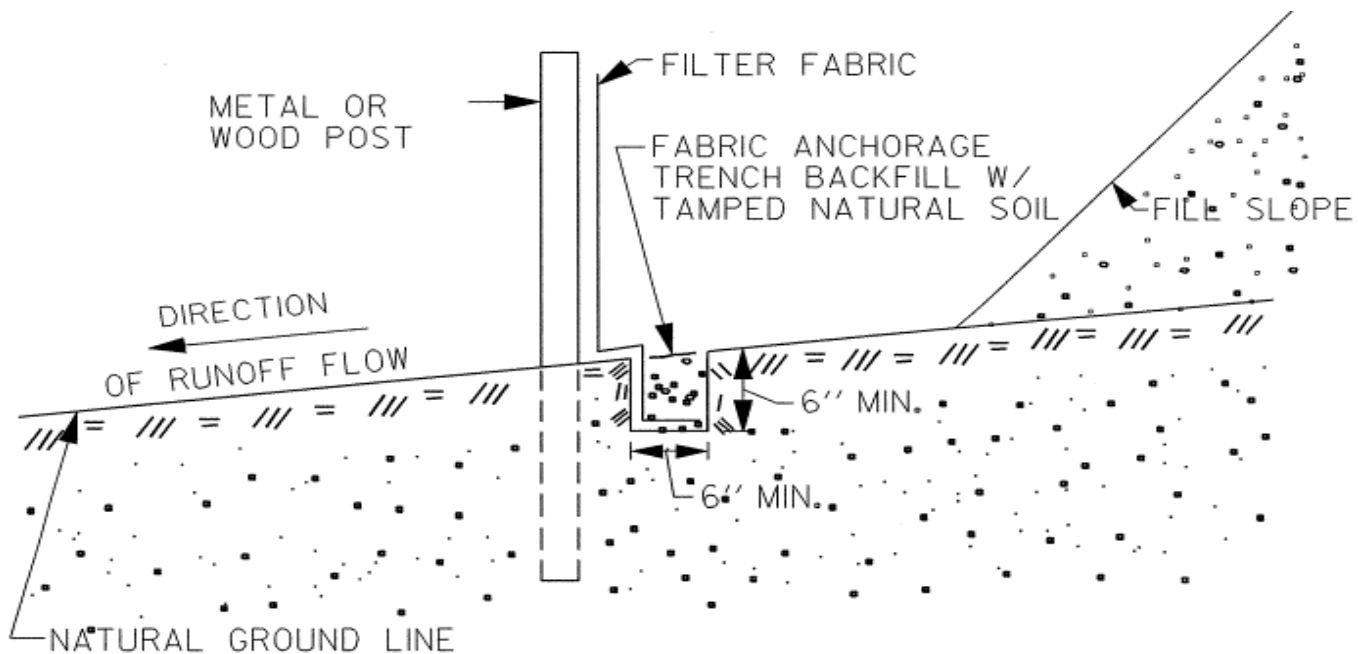
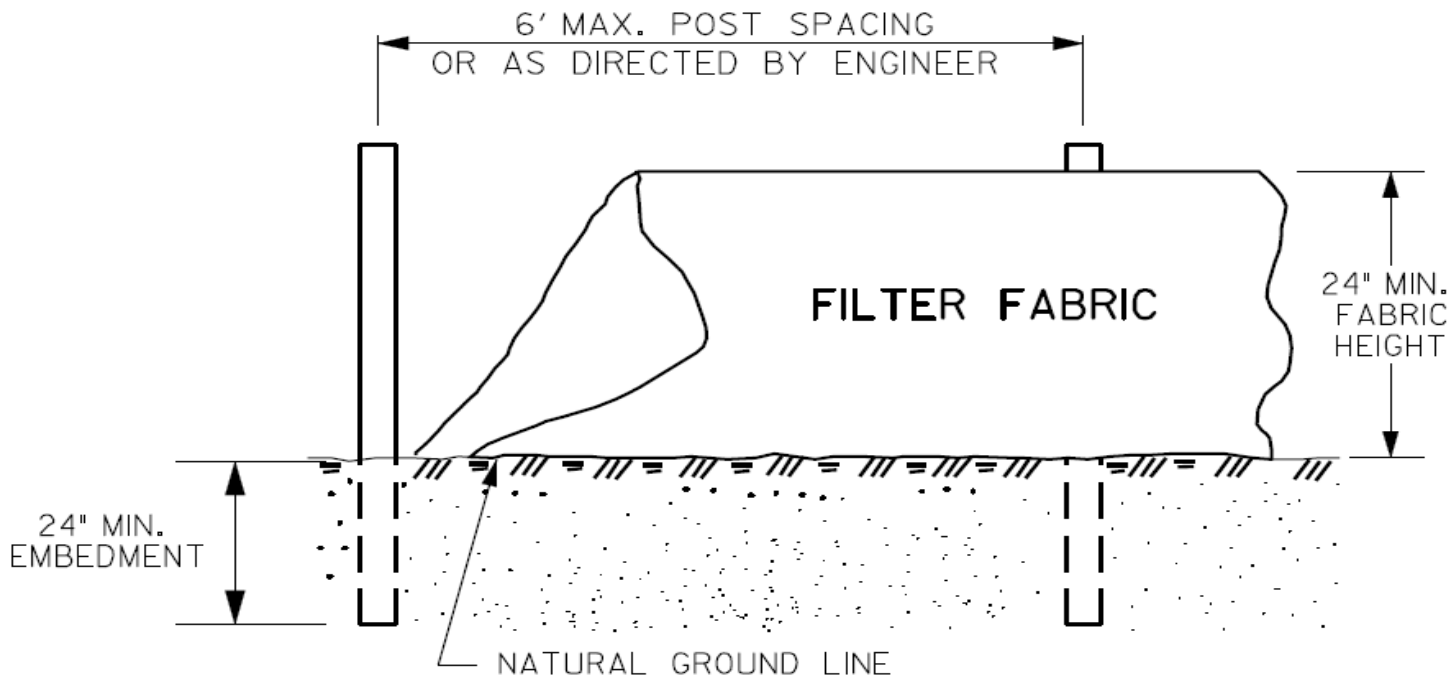
\*When land disturbing activities on a section of the project have temporarily or permanently ceased and will not resume for a period exceeding 14 calendar days, appropriate soil stabilization measures must be initiated on that section within the next 7 calendar days. Stabilization measures may be mulch, temporary seeding or permanent seeding.

\*\* If the section of the project will not be worked for a period longer than 60 days, then stabilization by seeding is required. The seeding may be temporary or permanent.



# SCDHEC Compliance Inspections

- Field Review
  - Condition of Project
  - Installation and Maintenance of BMPs
  - Stabilization



**SCDOT**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DESIGN STANDARDS OFFICE  
955 PARK STREET  
ROOM 405  
COLUMBIA, SC 29201

STANDARD DRAWING

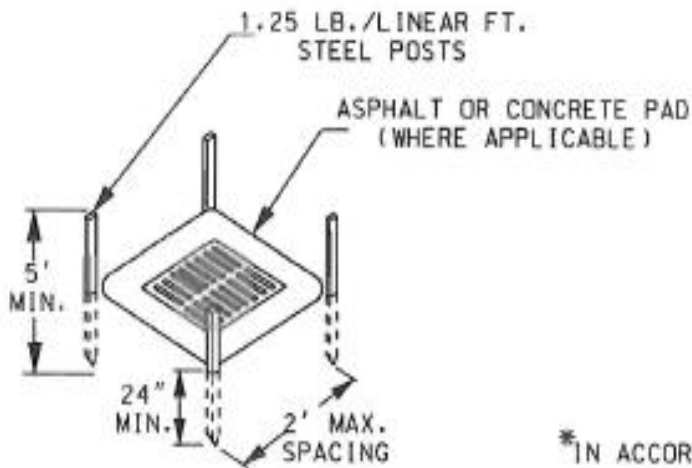
TEMPORARY  
EROSION &  
SEDIMENTATION  
CONTROL

815-605-00

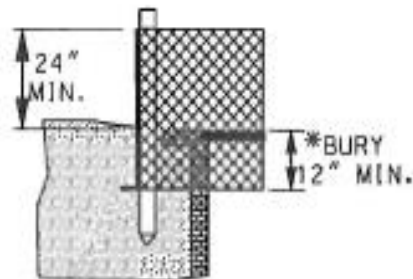
EFFECTIVE LETTING DATE | JAN., 2013





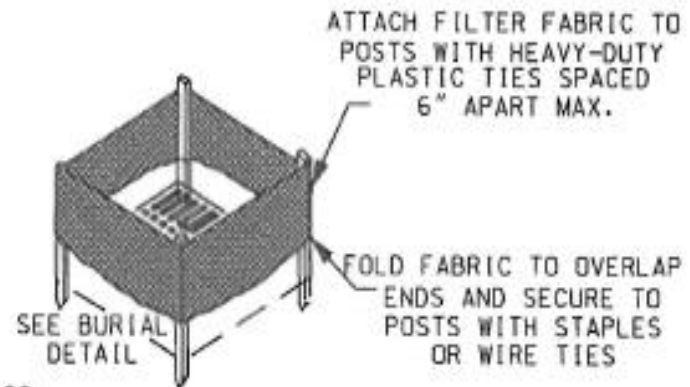


POST INSTALLATION  
DETAIL



FILTER FABRIC BURIAL  
DETAIL

\*IN ACCORDANCE WITH STD. DRAWING 815-605-00



FILTER FABRIC INSTALLATION  
DETAIL

TYPE A  
LOW FLOW INLET FILTERS  
(FILTER FABRIC INLET PROTECTION)

**SCDOT**

SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
DESIGN STANDARDS OFFICE  
955 PARK STREET  
ROOM 405  
COLUMBIA, SC 29201

STANDARD DRAWING

TYPE A  
INLET STRUCTURE  
FILTERS

815-001-01

EFFECTIVE LETTING DATE | JAN 2013





**SEEDING**

SCDOT Designation: SC-M-810-3 (7/15)

**1.0 Seeding**

This Supplemental Specification replaces section 810, *Seeding*, in the *South Carolina Department of Transportation (SCDOT) Standard Specifications for Highway Construction, 2007 Edition*. This supplemental specification replaces *Supplemental Technical Specification SC-M-810*, and *Supplemental Technical Specification SC-M-810-2*.

**1.1 Description**

This work consists of permanent cover, permanent grassing for small projects and temporary cover including liming and fertilizing (when specified), and applying mulch on all areas shown on the Plans or where directed by the Resident Construction Engineer (RCE) in accordance with these Specifications. The Contractor coordinates permanent cover and temporary cover with the construction of fill and cut slopes. In order to limit the area of erodible material, the RCE may require that partially completed slopes be brought to the required slope and the Contractor perform permanent or temporary cover operations at that time.

**1.2 Permanent Cover**

Initiate permanent cover with seeding within 7 calendar days where land disturbing activities have permanently ceased on the Project. Where land disturbing activities are resumed within 14 days, stabilization measures are not required to be initiated on that portion of the Project. Initiate temporary cover measures as soon as practicable for areas where initiating permanent cover measures within 7 days is infeasible (e.g., where snow cover, frozen ground, or drought conditions prevent stabilization).

**1.2.1 Seeding Dates and Rates of Application**

Select seed in accordance with Section 1.5 of this Specification. Using the pre-blended permanent seed mixtures included in *SCDOT Qualified Product List 83* or the seeding tables of this Specification, the Contractor will create a seeding plan and determine all rates of application necessary to produce the required stand of grass and follow the application procedures of this Specification. The RCE reserves the right to reject or approve all seeding plans before permanent cover applications are initiated.

Uniformly sow seed at the rate specified by the use of approved mechanical seed drills, rotary hand seeders, hydraulic equipment, or any other type of equipment that produces a uniform seed application.

Perform seeding work during the periods and at the rates specified in Section 1.5 of this Specification. Do not perform permanent cover when the ground is frozen and/or when the 10-day forecasted low temperature remains below 35 degrees Fahrenheit. Do not perform permanent cover when the ground is excessively wet. Do not conduct permanent seeding work when the ground is excessively dry (periods of drought) unless watering is specified in the Contract or directed by the Resident Construction Engineer (RCE). During periods of adverse conditions, use temporary cover by mulch according to this Specification.

**1.2.2 Seedbed Preparation**

Ensure the seedbed conforms to the finished grade and cross-section shown on the Plans or as otherwise directed by the RCE. Perform minor shaping and evening of uneven and rough areas outside of graded sections as directed by the RCE in order to provide more effective erosion control and for ease of mowing operations.



South Carolina

**NPDES GENERAL PERMIT FOR STORMWATER DISCHARGES  
FROM SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
CONSTRUCTION ACTIVITIES**

In compliance with the provisions of the SC Pollution Control Act (S.C. Code Sections 48-1-10 *et seq.*, 1976) and with the provisions of the Clean Water Act, 33 U.S.C. §1251 *et seq.*, (hereafter CWA or the Act), as amended by the Water Quality Act of 1987, P.L. 100-4, Operators of construction activities that are described in Section 1.3 of this National Pollutant Discharge Elimination System (NPDES) Permit, except for those activities excluded from authorization of discharge in Section 1.3.C of this Permit, are authorized to discharge pollutants to Surface Waters of the State in accordance with the conditions and requirements set forth herein. Permit coverage is required from the "commencement of construction activities" until "final stabilization" as defined in Appendix A.

Ann R. Clark, Director  
Stormwater, Construction, Agricultural, and Dams Permitting Division  
Bureau of Water

Permit No.: SCR160000

Issued: October 15, 2012

Effective: January 1, 2013

Expires: December 31, 2017











EVERGREEN LANDSCAPING, LLC  
Hydroseeding

EVERGREEN LANDSCAPING, LLC  
Erosion Control - Hydroseeding  
864-487-3363

CATERPILLAR



# Questions?

Presenters:

Chad Long – NEPA Division Manager

Sean Connolly – Permit Division Manager

Jay Hawkins, P.E. – Compliance Division Manager

Annual SCDOT/ACEC-SC Meeting  
December 7, 2016