



**CONSTRUCTION BMP  
INSPECTION  
QUICK REFERENCE**  
  
OCTOBER 2019



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# INSPECTION REQUIREMENTS

## Inspection Frequency

SCDOT NPDES Construction Permit No SCR160000 requires inspections to be done:

Site Condition	Inspection Time Frame
All Disturbed Areas	At least once every 7 calendar days

[https://www.scdot.org/business/pdf/LPA/constructionForms/800\\_02.pdf](https://www.scdot.org/business/pdf/LPA/constructionForms/800_02.pdf)

Form 800.02 WEEKLY SEDIMENT AND EROSION CONTROL SITE INSPECTION REPORT 

DATE:

Report No:  Permit No:  RCE:

File No:  Sub File No:

Road No:

Contractor:  Phone:

Disturbed Acreage:  Total Rainfall Since Last Inspection:

Inspector for SCDOT:  Title:  Reg No:

Inspector for Contractor:  Title:  Reg No:

Comments:

Action Taken:

Each deficiency must be corrected within the allotted time frame of the Priority Rating/Time frame (as delineated on the bottom of this sheet) assigned from the date of the inspection in accordance with the NPDES permit and any applicable contract Special Provisions. Failure to comply with these requirements will result in suspension of ALL work until the noted deficiencies are corrected. Priority values: 1=48 hours, 2=7 days.


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- Report Number, File Number, Road Number and Permit Number
- Date
- Names, Titles and the qualifications of inspectors

### Site Information to Include on Inspection Reports:

- Total rainfall since last inspection
- Location of all installed BMPs
- Condition of all BMPs
- Assigned Priority of all deficient BMPs along with Corrective Action Needed
- Location(s) where additional BMPs are needed that did not exist at the time of inspection



Remember to record all BMP changes onto the SWPPP (marked-up set of plans).

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# RAIN LOG

## Rain Logs

Rainfall from any significant rainfall event (0.5 inches or greater) must be recorded and maintained in a Rain Log located in the on site SWPPP or in the RCE office. Rainfall records must be reported on each weekly inspection report.

SCDOT Form: 800.03

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January	Rainfall	February	Rainfall	March	Rainfall	April	Rainfall	May	Rainfall	June	Rainfall
1		1		1		1		1		1	
2		2		2		2		2		2	
3		3		3		3		3		3	
4		4		4		4		4		4	
5		5		5		5		5		5	
6		6		6		6		6		6	
7		7		7		7		7		7	
8		8		8		8		8		8	
9		9		9		9		9		9	
10		10		10		10		10		10	
11		11		11		11		11		11	
12		12		12		12		12		12	
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14		14		14		14		14		14	
15		15		15		15		15		15	
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27		27		27		27		27		27	
28		28		28		28		28		28	
29		29		29		29		29		29	
30		30		30		30		30		30	
31		31		31		31		31		31	

- Record all rainfall.
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8		8		8		8		8		8	
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## DEFICIENCIES

### Priority 1 Deficiency

- Any BMP at capacity
- Any BMP at failure point
- Any BMP allowing sediment to leave the site
- Needing additional BMPs due to sediment leaving the site

**Remedy in 48 hours**

### Priority 2 Deficiency

- Any deficiency that is not a Priority 1

**Remedy in 7 calendar days**

### Acronyms

RCE = Resident Construction Engineer  
 DCE = District Construction Engineer  
 DOC = Director of Construction  
 DEA = District Engineering Administrator  
 SWM = Stormwater Manager  
 ECM = Environmental Compliance Manager  
 CEPD = Chief Engineer for Project Delivery

Deficiency Not Corrected With-In:	Notify
Assigned Priority Time Frame	RCE
Assigned Priority Time Frame + 2 days	DCE
Assigned Priority Time Frame + 4 days	DOC, DEA, SWM, and ECM
Assigned Priority Time Frame + 7 days	CEPD, CEO

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## ROCK DITCH CHECK

Good



Priority 2—Maintenance Required



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## ROCK DITCH CHECK

Good



Priority 2—Maintenance Required



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Page 5

## ROCK DITCH CHECK

Good



Priority 2—Maintenance Required



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## ROCK DITCH CHECK

Good



Priority 2—Maintenance Required



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**ROCK DITCH CHECK**

**Priority 1—At Capacity**



**Priority 1—At Capacity**



**ROCK DITCH CHECK**

**Priority 1—At Capacity**



**Priority 1—At Capacity**



**ROCK DITCH CHECK**

**Priority 1—At Capacity**



**Priority 1—At Capacity**



**ROCK DITCH CHECK**

**Priority 1—At Capacity**



**Priority 1—At Capacity**





**SEDIMENT TUBES FOR DITCH CHECKS**

**Good**



**Priority 2—Requires Maintenance**



**SEDIMENT TUBES FOR DITCH CHECKS**

**Good**



**Priority 2—Requires Maintenance**



**SEDIMENT TUBES FOR DITCH CHECKS**

**Good**



**Priority 2—Requires Maintenance**



**SEDIMENT TUBES FOR DITCH CHECKS**

**Good**



**Priority 2—Requires Maintenance**





**SEDIMENT TUBES FOR DITCH CHECKS**

**Priority 1—At Capacity**



**Priority 1—Failure**



**Priority 1—Failure**

**SEDIMENT TUBES FOR DITCH CHECKS**

**Priority 1—At Capacity**



**Priority 1—Failure**



**Priority 1—Failure**

**SEDIMENT TUBES FOR DITCH CHECKS**

**Priority 1—At Capacity**



**Priority 1—Failure**



**Priority 1—Failure**

**SEDIMENT TUBES FOR DITCH CHECKS**

**Priority 1—At Capacity**



**Priority 1—Failure**



**Priority 1—Failure**



# SILT FENCE

Good



Priority 2—Posts Not Stable

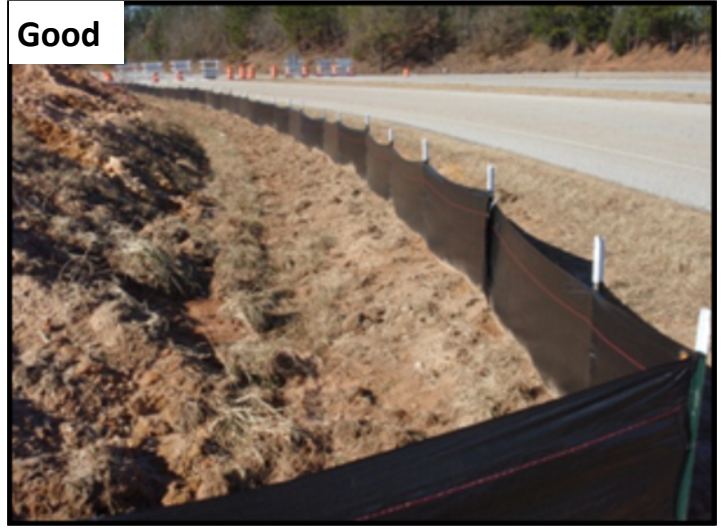
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# SILT FENCE

Good



Priority 2—Posts Not Stable

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# SILT FENCE

Good



Priority 2—Posts Not Stable

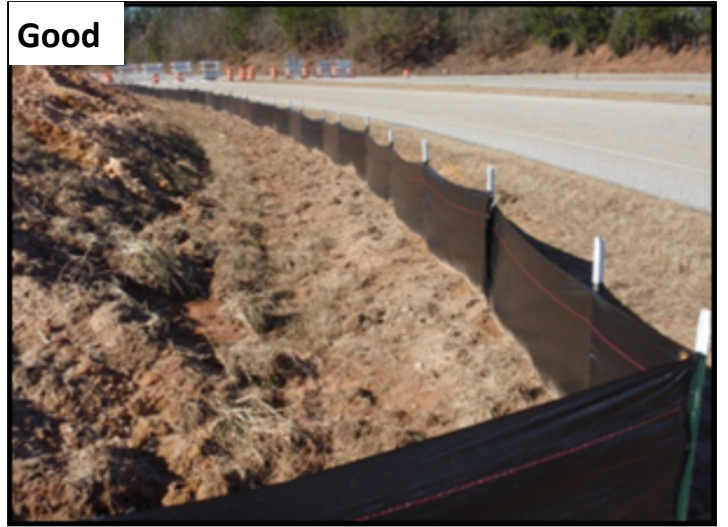
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# SILT FENCE

Good



Priority 2—Posts Not Stable

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## SILT FENCE

Good



Priority 1—Sediment Leaving Site

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Page 10

## SILT FENCE

Good



Priority 1—Sediment Leaving Site

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Page 10

## SILT FENCE

Good



Priority 1—Sediment Leaving Site

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## SILT FENCE

Good



Priority 1—Sediment Leaving Site

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**TYPE A INLET STRUCTURE FILTER**



**TYPE A INLET STRUCTURE FILTER**



**TYPE A INLET STRUCTURE FILTER**



**TYPE A INLET STRUCTURE FILTER**





**TYPE A INLET STRUCTURE FILTER**

**Priority 1—Failure**



**Priority 2—Unstable Posts**



**TYPE A INLET STRUCTURE FILTER**

**Priority 1—Failure**



**Priority 2—Unstable Posts**



**TYPE A INLET STRUCTURE FILTER**

**Priority 1—Failure**



**Priority 2—Unstable Posts**



**TYPE A INLET STRUCTURE FILTER**

**Priority 1—Failure**



**Priority 2—Unstable Posts**





**TYPE B INLET STRUCTURE FILTER**

**Good**



**Priority 2—Needs More Rock**



**TYPE B INLET STRUCTURE FILTER**

**Good**



**Priority 2—Needs More Rock**



**TYPE B INLET STRUCTURE FILTER**

**Good**



**Priority 2—Needs More Rock**



**TYPE B INLET STRUCTURE FILTER**

**Good**



**Priority 2—Needs More Rock**





**TYPE B INLET STRUCTURE FILTER**



**Priority 1—Failure**



**TYPE B INLET STRUCTURE FILTER**



**Priority 1—Failure**



**TYPE B INLET STRUCTURE FILTER**



**Priority 1—Failure**



**TYPE B INLET STRUCTURE FILTER**



**Priority 1—Failure**





**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 1—At Capacity**



**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 1—At Capacity**



**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 1—At Capacity**



**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 1—At Capacity**





**TYPE D INLET STRUCTURE FILTER**

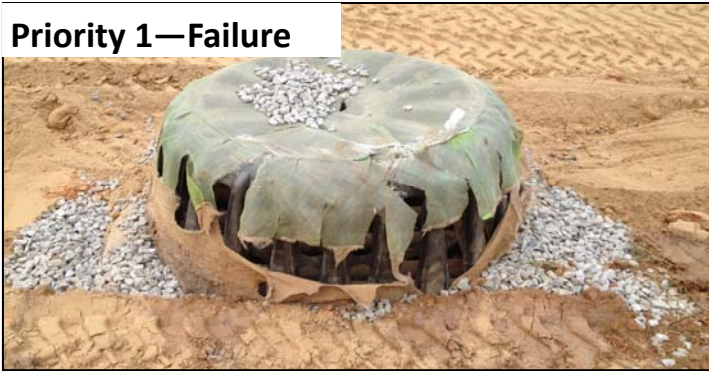
**Good**



**Priority 2—Requires Maintenance**



**Priority 1—Failure**



**TYPE D INLET STRUCTURE FILTER**

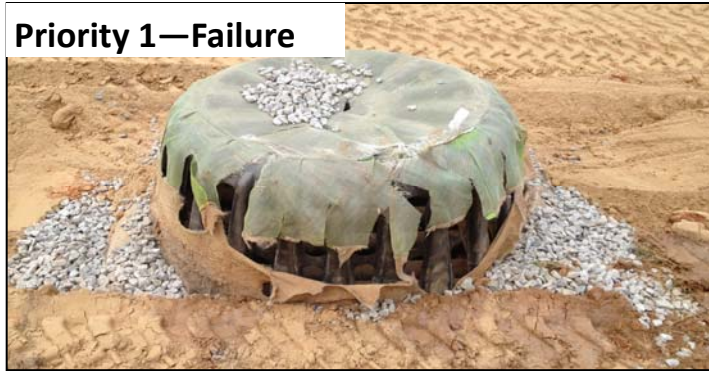
**Good**



**Priority 2—Requires Maintenance**



**Priority 1—Failure**



**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 2—Requires Maintenance**



**Priority 1—Failure**



**TYPE D INLET STRUCTURE FILTER**

**Good**



**Priority 2—Requires Maintenance**



**Priority 1—Failure**





**TYPE F INLET STRUCTURE FILTER**

**Priority 2—Completely Blocking Inlet**



**Priority 1—Type F Used in Lieu of Type A**

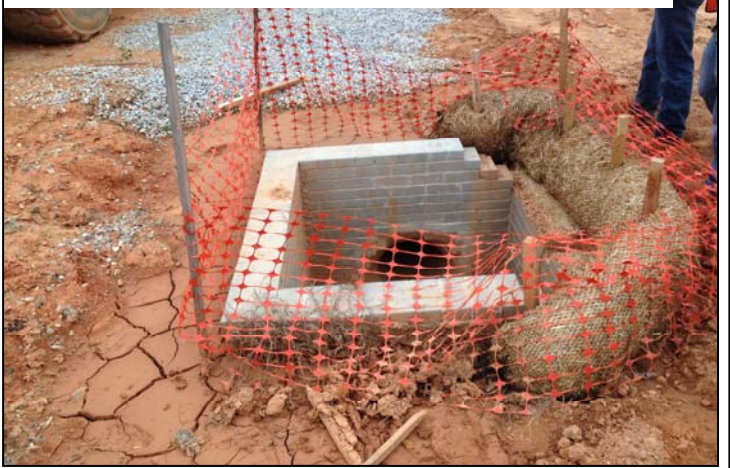


**TYPE F INLET STRUCTURE FILTER**

**Priority 2—Completely Blocking Inlet**



**Priority 1—Type F Used in Lieu of Type A**



**TYPE F INLET STRUCTURE FILTER**

**Priority 2—Completely Blocking Inlet**



**Priority 1—Type F Used in Lieu of Type A**



**TYPE F INLET STRUCTURE FILTER**

**Priority 2—Completely Blocking Inlet**



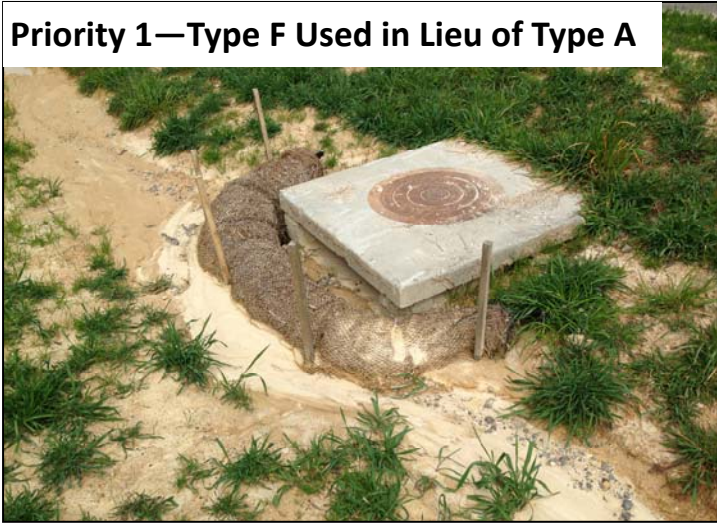
**Priority 1—Type F Used in Lieu of Type A**





**TYPE F INLET STRUCTURE FILTER**

**Priority 1—Type F Used in Lieu of Type A**

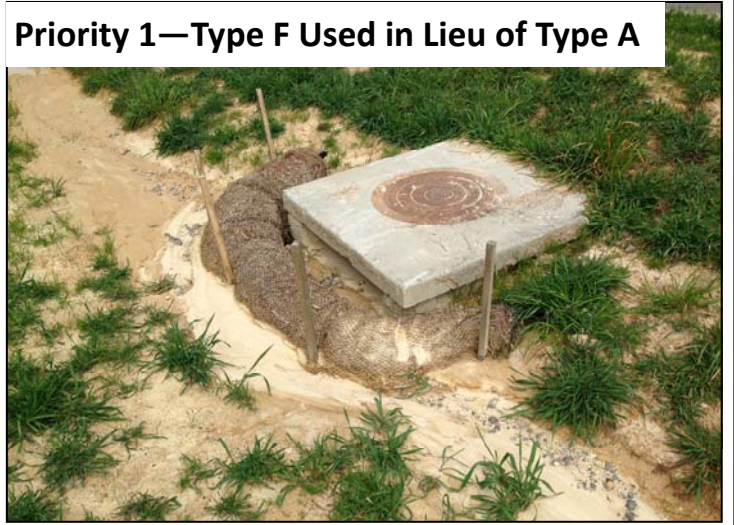


**Priority 1—Failure**



**TYPE F INLET STRUCTURE FILTER**

**Priority 1—Type F Used in Lieu of Type A**



**Priority 1—Failure**



**TYPE F INLET STRUCTURE FILTER**

**Priority 1—Type F Used in Lieu of Type A**



**Priority 1—Failure**



**TYPE F INLET STRUCTURE FILTER**

**Priority 1—Type F Used in Lieu of Type A**



**Priority 1—Failure**





## SEDIMENT BASIN

Good



Priority 2—Requires Maintenance



Priority 1—Lower State Single Baffle Failure



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## SEDIMENT BASIN

Good



Priority 2—Requires Maintenance



Priority 1—Lower State Single Baffle Failure



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## SEDIMENT BASIN

Good



Priority 2—Requires Maintenance



Priority 1—Lower State Single Baffle Failure



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Page 19

## SEDIMENT BASIN

Good



Priority 2—Requires Maintenance



Priority 1—Lower State Single Baffle Failure



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**SEDIMENT DAM**

**Good**



**Priority 1—Failure and At Capacity**



**SEDIMENT DAM**

**Good**



**Priority 1—Failure and At Capacity**

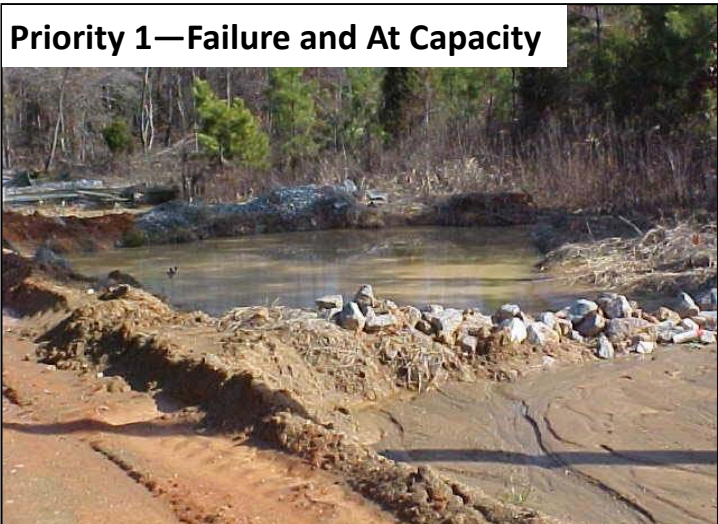


**SEDIMENT DAM**

**Good**



**Priority 1—Failure and At Capacity**

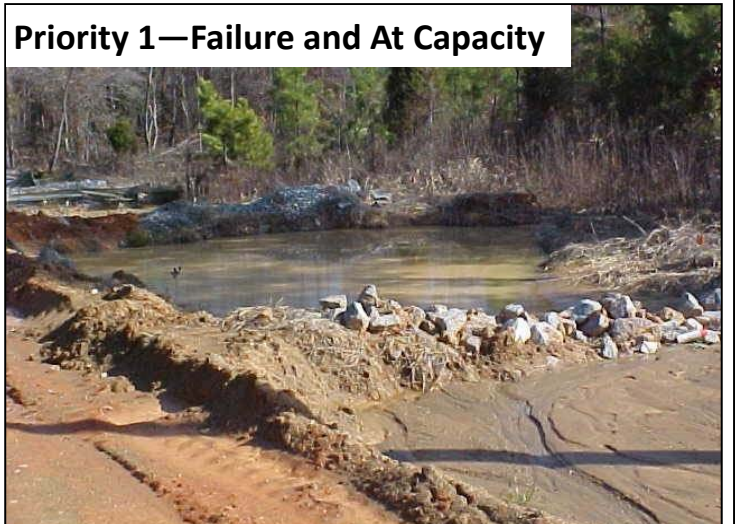


**SEDIMENT DAM**

**Good**



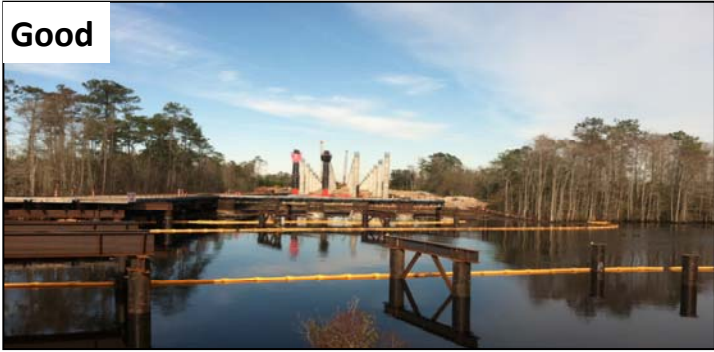
**Priority 1—Failure and At Capacity**





## TURBIDITY BARRIER

Good



Good



Good—Not floating, low tide not failure



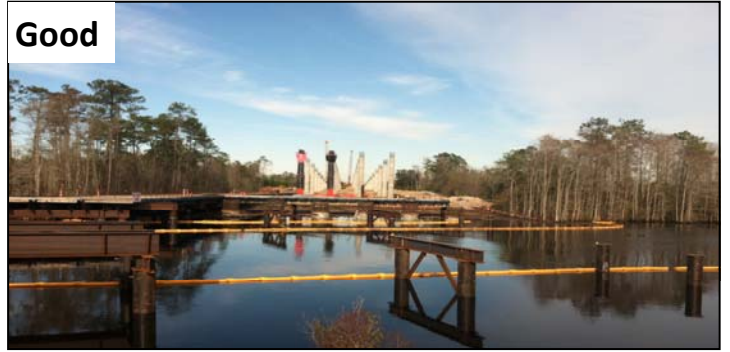
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Page 21

## TURBIDITY BARRIER

Good



Good



Good—Not floating, low tide not failure



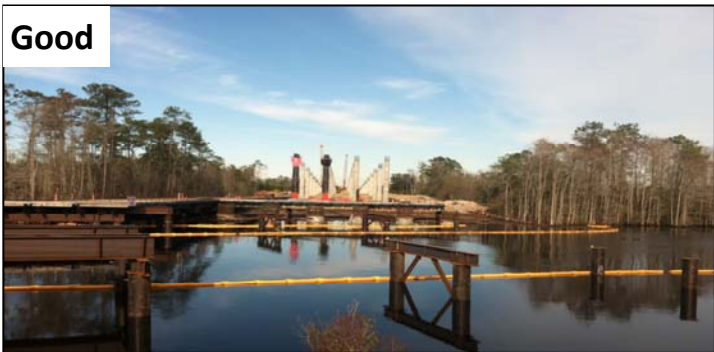
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## TURBIDITY BARRIER

Good



Good



Good—Not floating, low tide not failure



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Page 21

## TURBIDITY BARRIER

Good



Good



Good—Not floating, low tide not failure



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## TURBIDITY BARRIER

Priority 2—Needs Maintenance



Priority 1—Failed



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## TURBIDITY BARRIER

Priority 2—Needs Maintenance



Priority 1—Failed



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Page 22

## TURBIDITY BARRIER

Priority 2—Needs Maintenance



Priority 1—Failed



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Page 22

## TURBIDITY BARRIER

Priority 2—Needs Maintenance



Priority 1—Failed



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**HYDRAULIC EROSION CONTROL PRODUCTS (MULCH)**

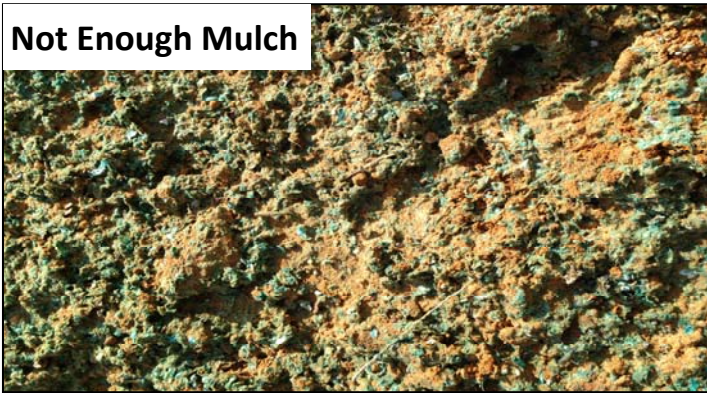
**Good**



**Good**



**Not Enough Mulch**



**HYDRAULIC EROSION CONTROL PRODUCTS (MULCH)**

**Good**



**Good**



**Not Enough Mulch**



**HYDRAULIC EROSION CONTROL PRODUCTS (MULCH)**

**Good**



**Good**



**Not Enough Mulch**



**HYDRAULIC EROSION CONTROL PRODUCTS (MULCH)**

**Good**



**Good**



**Not Enough Mulch**



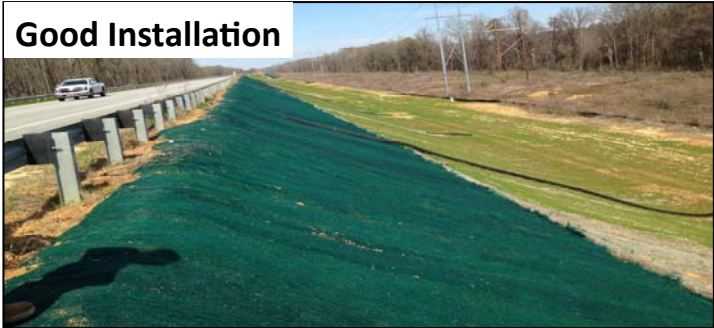


**ROLLED EROSION CONTROL PRODUCTS (BLANKETS)**

**Good Installation**



**Good Installation**



**Bad Installation**

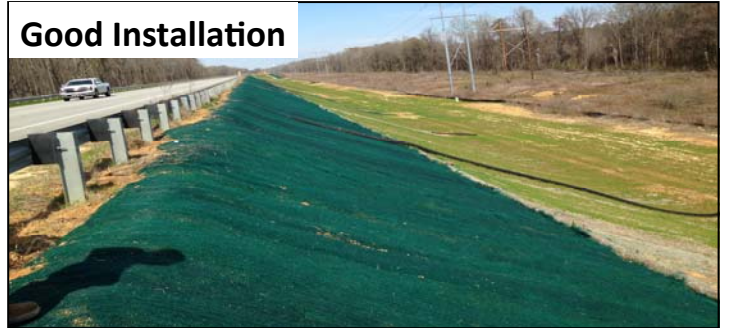


**ROLLED EROSION CONTROL PRODUCTS (BLANKETS)**

**Good Installation**



**Good Installation**



**Bad Installation**

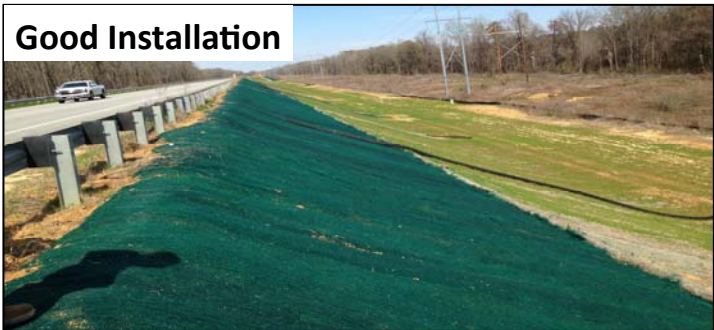


**ROLLED EROSION CONTROL PRODUCTS (BLANKETS)**

**Good Installation**



**Good Installation**

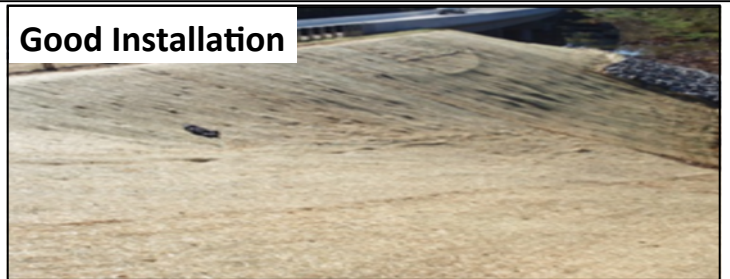


**Bad Installation**

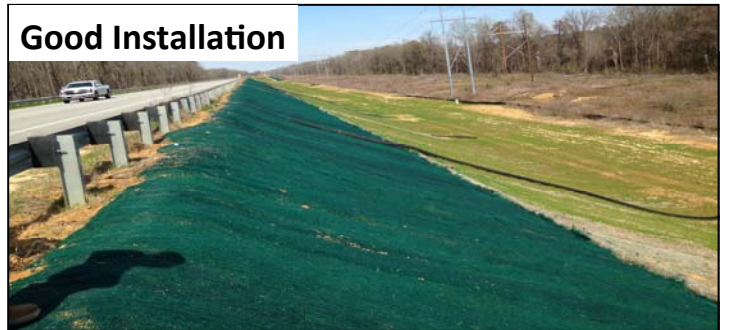


**ROLLED EROSION CONTROL PRODUCTS (BLANKETS)**

**Good Installation**



**Good Installation**



**Bad Installation**





**SOME THINGS ARE JUST DONE WRONG...**

**Improper silt fence installation**



**Poor general housekeeping. Lack of silt fence maintenance**



**SOME THINGS ARE JUST DONE WRONG...**

**Improper silt fence installation**



**Poor general housekeeping. Lack of silt fence maintenance**



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**Poor general housekeeping. Lack of silt fence maintenance**





**SOME THINGS ARE JUST DONE WRONG...**

Blanket not trenched and anchored.



Too little mulch. Steep slopes require 3500 lbs. of mulch per acre.



**SOME THINGS ARE JUST DONE WRONG...**

Blanket not trenched and anchored.



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SOME THINGS ARE JUST DONE WELL...



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## SWPPP MAJOR MODIFICATION

**Major Modification:** requires the SWPPP to be modified and submitted along with an amended Notice of Intent (NOI) for approval to South Carolina Department of Health and Environmental Control (SCDHEC). According to the SCDOT NPDES Construction Permit SCR160000:

### Major Modifications are:

- Resizing sediment or detention basin where the design storage volume is reduced;
- Deletion of sediment or detention basin(s);
- Changes in grading that alter drainage patterns that result in increased flow greater than the calculated design flows to a sediment or detention basin;
- Addition of disturbed area outside the permitted area;
- Impacts to State Navigable Water Crossings;
- Point discharge or outfall location additions or relocations;
- Additional wetland impacts or a change in location of wetland impacts;
- Modifications related to post-construction water quality treatment measures where there is a proposed change in the classification (based on SCDOT's Supplemental Technical Specification [SC-M-815-13](#) or latest revision), type of constructed treatment measure or where there is a need to change from a manufactured to a constructed treatment measure or vice-versa.

### Submittal Process:

1. Once a major modification is identified by field personnel, the proposed modification must be sent to the original SWPPP preparer or designee with equivalent registration (Regional Production Group (RPG) Hydraulic Lead, or consultant) for design and approval.
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### Minor modifications are:

- A change in the design, construction, operation, or maintenance based on the following list of Minor Modifications:
  - Addition of erosion prevention and sediment control BMPs;
  - Relocation of construction entrance;
  - Relocation of pond inlet pipes within the pond itself; and
  - Omission of disturbed area or addition of disturbed area within permitted area.
- Dates when major grading activities occur;
- Minor Modifications should be clearly marked on the SWPPP drawings and initialed and dated;
- Dates when construction activities temporarily or permanently cease on a portion of the Project should be recorded in inspection reports or construction logs. Notes: Temporarily ceasing construction means ceasing construction on a portion of the Project for more than 14 days. A portion of the Project, means but is not limited to, portions of the Project with dedicated controls (see Subsection 3.7.C);
- Dates when stabilization measures are initiated;
- Determinations that the SWPPP needs modification to minimize pollutants in stormwater discharges from the construction Project during inspections or investigations by Project staff, or by state, tribal or federal officials; and
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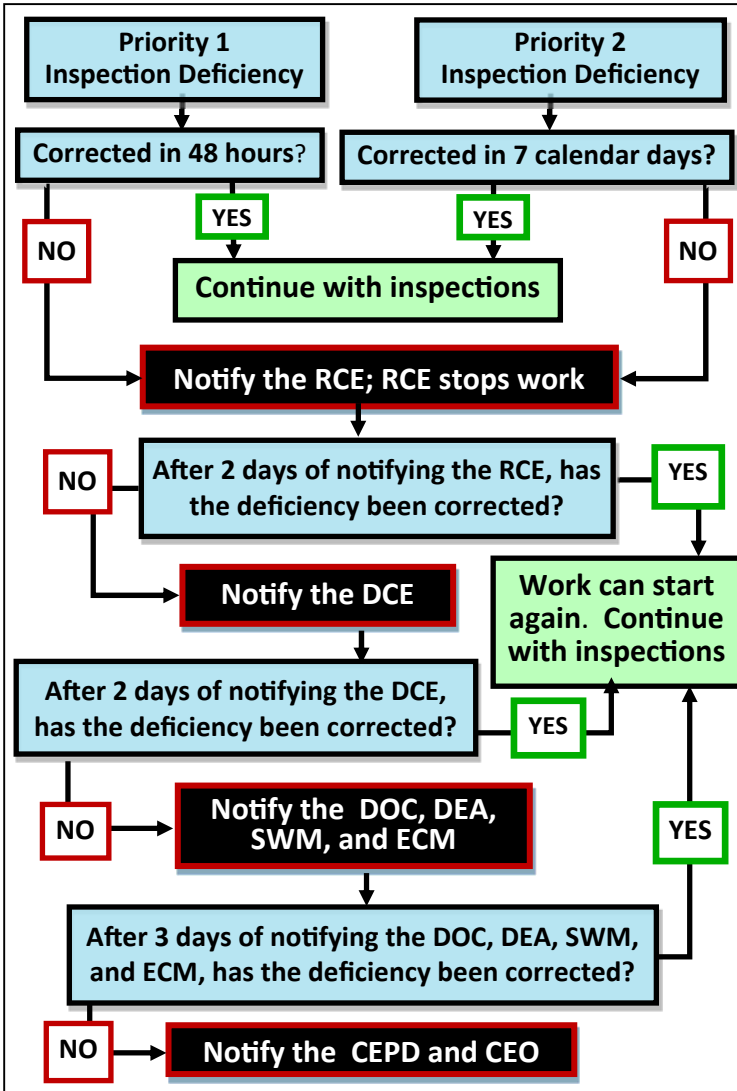
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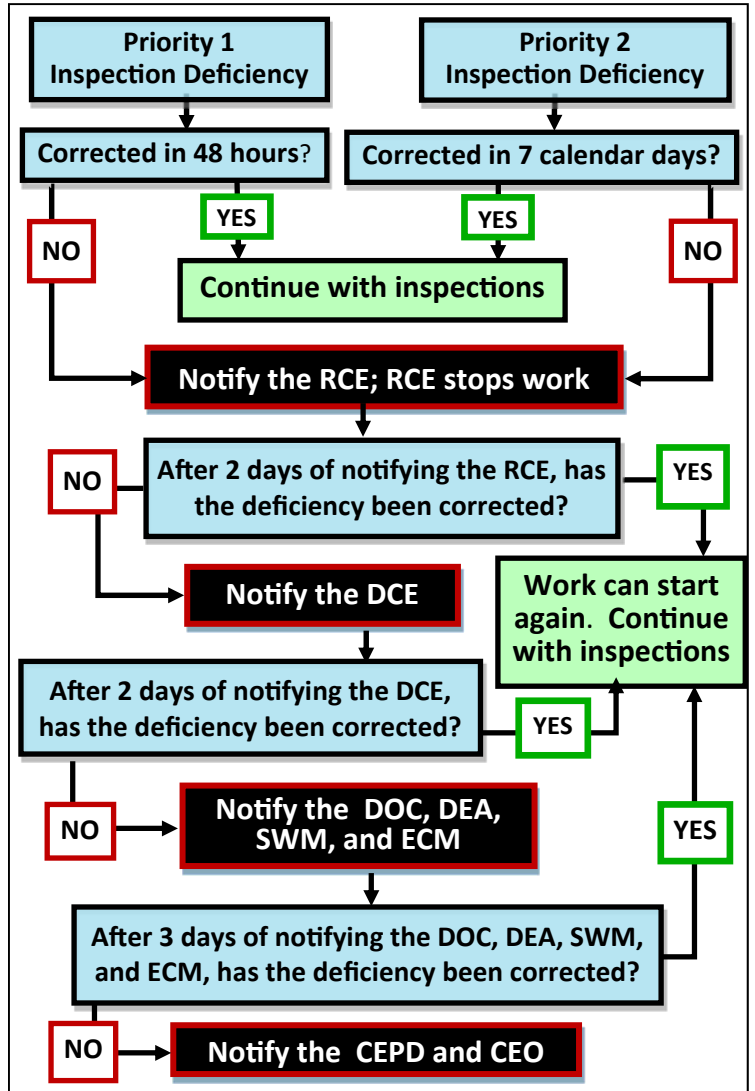
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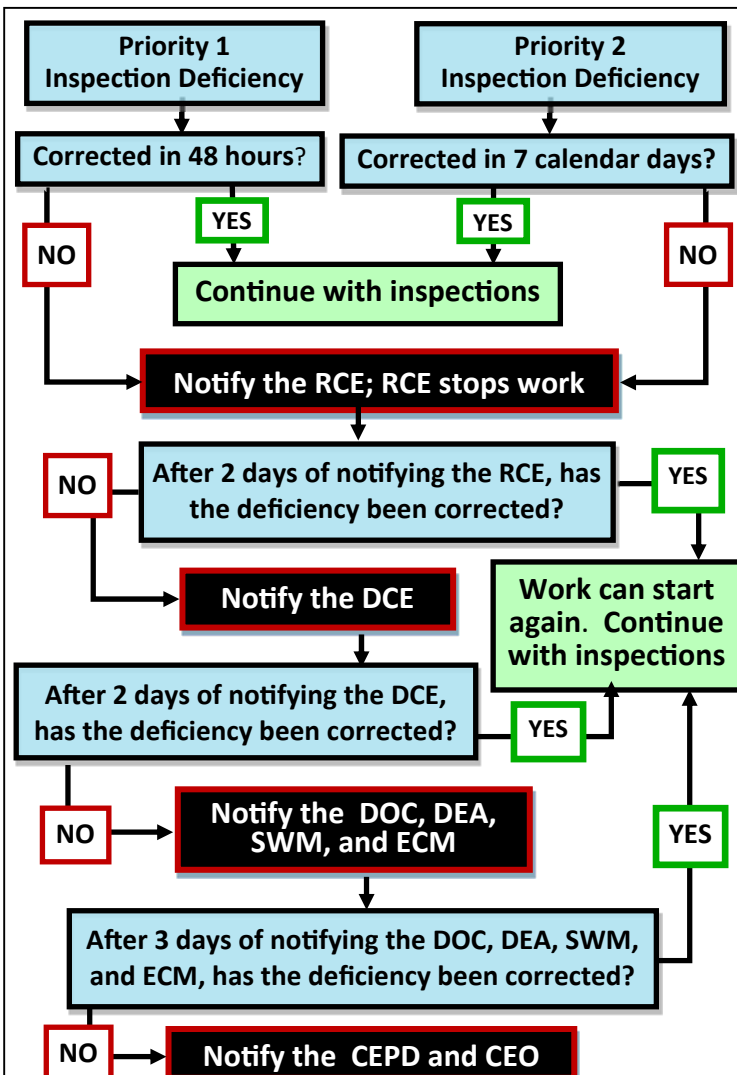
## ESCALATION FLOW CHART



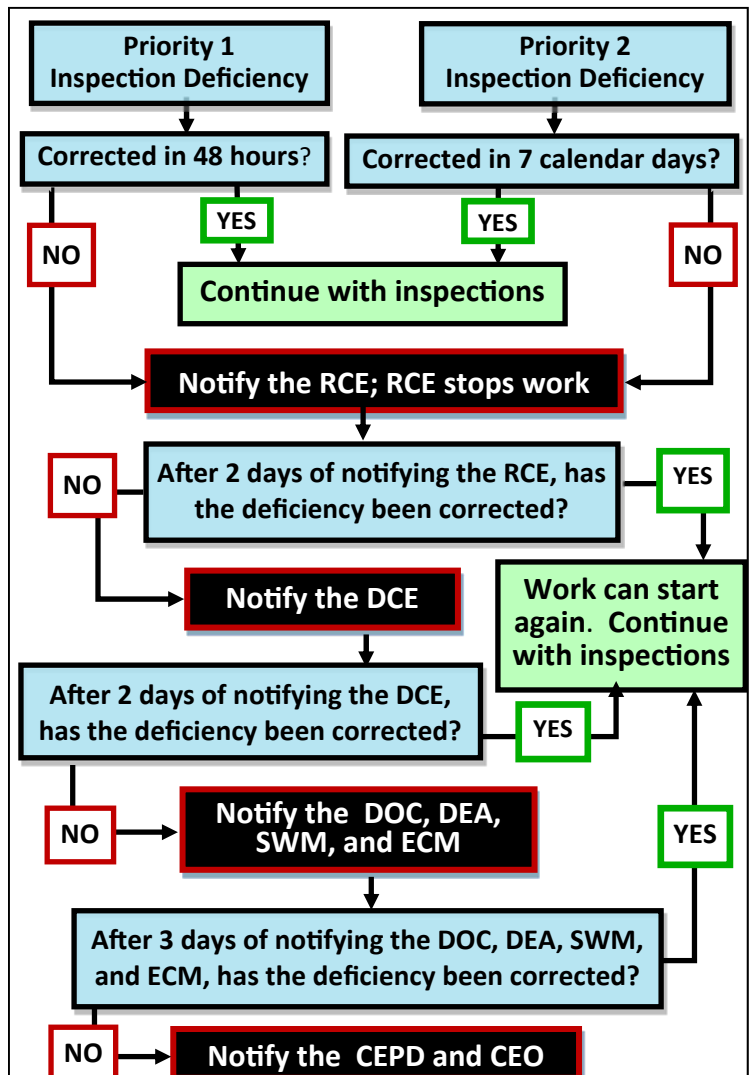
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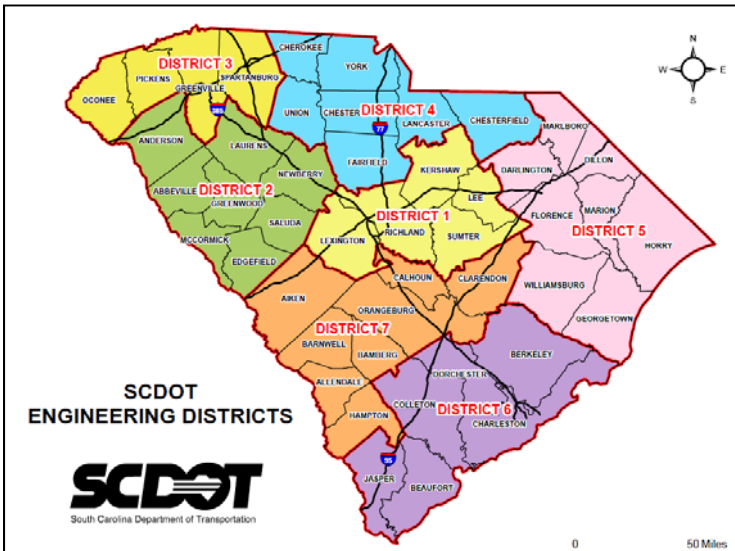


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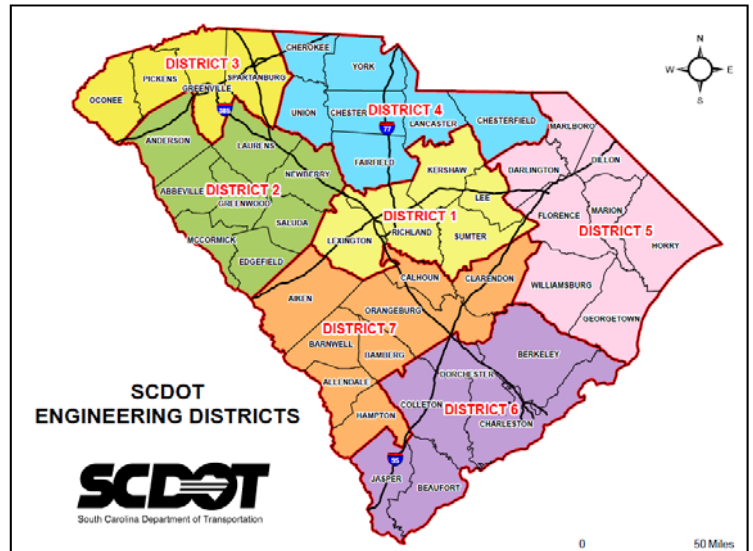


# DISTRICTS



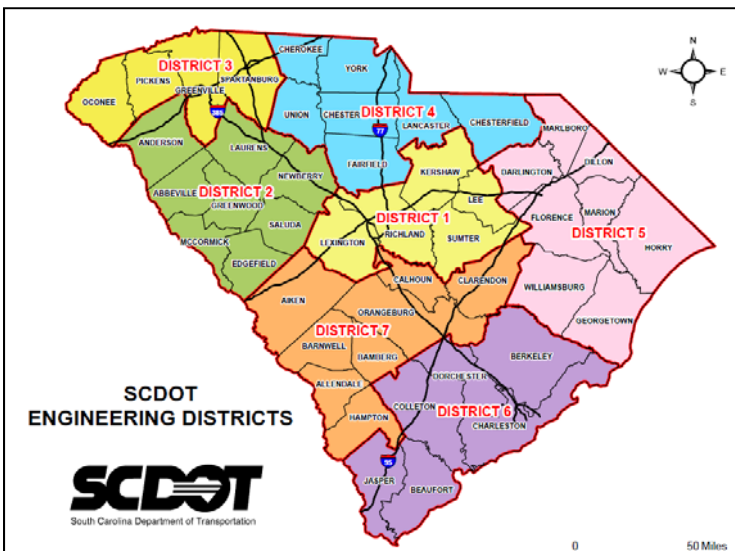
DISTRICT	DISTRICT OFFICE PHONE NUMBER
1	803-737-6660
2	864-227-6971
3	864-241-1010
4	803-377-4155
5	843-661-4710
6	843-740-1667
7	803-531-6850

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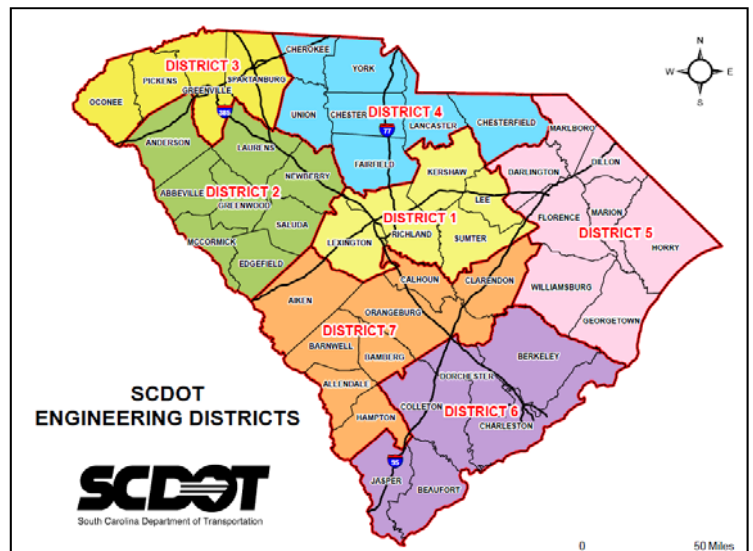
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**NOTES**

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Phone: 855-GO-SCDOT (855-467-2368) toll free  
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Monday through Friday, 8:30 AM-5:00 PM  
Mail: South Carolina Department of Transportation  
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955 Park Street  
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**SCDOT STORMWATER HOMEPAGE**

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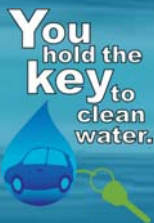


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