

Stormwater Pollution Prevention Plan (SWPPP) Checklist For SCDOT Construction Activities (SCR160000)

I. PROJECT IDENTIFICATION: (RPG Hydraulic Team Leader Task and/or Consultant)

A. PROJECT TYPE:

PIN #: _____ Road #: _____ County: _____

Road construction Bridge construction Other: _____

Acres Disturbed: _____

The "C-SWPPP" must be prepared by a qualified individual (SC Registered Professional Engineer, Landscape Architect, or Tier B Land Surveyor) for each project that disturbs 1 acre or more, and construction activities that result in land disturbance of greater than 0.5 acres located within one-half mile of a coastal receiving water body within the Coastal Zone. The Coastal Zone consists of the following counties: Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Horry, and Jasper.

B. COASTAL COUNTY PROJECT:

Yes No Is the project located in one of the following eight coastal counties: Beaufort, Berkeley, Charleston, Colleton, Dorchester, Georgetown, Horry or Jasper?

II. WATER BODY INFORMATION: (Environmental Permit Coordinator Task)

A. Impairments and Classification

1. Yes No Does the project discharge to a 303(d) listed water body?

List Impairment(s): _____

2. Yes No Has a TMDL been developed?

List Impairment(s): _____

If yes, is the DOT listed as a potential contributor of any of the pollutants?

List Pollutant(s): _____

3. Yes No Does the project discharge stormwater to sensitive waterbodies (Trout Waters, Outstanding Resource Waters (ORW), or Shellfish Harvesting Areas)?

List waterbody classification: _____

B. Coastal Issues

1. Yes No Are shellfish beds present within 1000 feet of the project discharge point(s)?

2. Yes No Is the project within the OCRM Critical Area?

3. Yes No Have all appropriate Coastal Zone Consistency Checklists been completed?

C. Wetland Locations:

1. Yes No Have all wetland locations been mapped and added to the final plans?

2. Yes No If there are wetlands, is a double row of silt fence proposed in areas adjacent to wetlands and land disturbance?

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D. Wetlands and Permits

1. Yes No N/A 404 permit obtained?
2. Yes No N/A 401 certification obtained?
3. Yes No N/A Navigable Waters permit?
4. Yes No N/A OCRM Critical Area permit?
5. Other Permits: _____
6. How many freshwater wetland acres will be impacted? _____
7. How many tidal wetland acres will be impacted? _____
8. Yes No N/A Have all the required permit approvals and certifications been obtained?

III. WATER QUALITY - Sediment Control & Erosion Prevention (RPG Hydraulic Team Lead Task)

A. General Design and Report Information

Note: For projects that disturb 50 acres or more, submit one(1) set of plans and C-SWPPP to DHEC for review along with all design/assessment calculation reports. For projects that disturb less than 50 acres, submit three (3) sets of plans.

1. Yes No N/A Is the NOI prepared? **C-SWPPP section:** _____
2. Anti-Degradation Requirements:
 - a. Yes No N/A Does the project disturb 25 acres or more that discharges into an impaired waterbody? If Yes, then anti-degradation rule apply that require a Quantitative and Qualitative Analysis.
 - b. Yes No N/A Is the Quantitative and Qualitative Analysis Report (calculations report) included in the C-SWPPP submission? **C-SWPPP section:** _____
3. Are the following maps included in the SWPPP?
 - a. Yes No N/A Vicinity map of the project area **C-SWPPP section:** _____
 - b. Yes No N/A Soils map **C-SWPPP section:** _____
 - c. Yes No N/A Flood map **C-SWPPP section:** _____
 - d. Yes No N/A Topographical map **C-SWPPP section:** _____
 - e. Yes No N/A Drainage area map **C-SWPPP section:** _____
4. Are the following items included in the C-SWPPP Narrative? **C-SWPPP section:** _____
 - a. Yes No N/A Description of the nature of the construction activity.
 - b. Yes No N/A Description of erosion prevention measures and sediment controls.
 - c. Yes No N/A Identification of all receiving water bodies. **Erosion Control Data Sheet**

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5. Yes No N/A Is there a pre/post development hydrologic analysis?
C-SWPPP section: _____

6. Yes No N/A Has the outfall channel capacity been evaluated for the 10-year peak discharge based on pre and post construction conditions? (Note: the design discharge will be the 10, 25, or 50-year peak discharge depending on the road classification and the system or structure type).
C-SWPPP section: _____

7. Are the following elements included in the Construction Plans?

- a. Yes No N/A Are the limits of disturbance and/or NPDES line and Right-of Way limits clearly shown on the construction plans?
- b. Yes No N/A Are all discharge points identified and shown with proposed velocity dissipation BMPs and erosion controls to provide non-erosive flows?
- c. Yes No N/A Indicate location of all Waters of the State and Wetlands.
- d. Yes No N/A Are locations and details provided for any non-standard BMPs (either temporary or permanent controls)?

B. Perimeter Control

Construction Plan Sheet(s)

- 1. Yes No N/A Is Silt Fence proposed? See Supplemental Technical Spec Silt Fence Systems SC-M-815-2. (Drawings No. 815-605-00).
- 2. Yes No N/A Does all Silt Fence meet the requirement of 100 maximum linear feet drainage area, storage, and overtopping, see Supplemental Technical Spec. SC-M-815-2.
- 3. Yes No N/A For any proposed Perimeter Control BMP, see Supplemental Technical Spec. SC-M-815-17.

C. Slope Protection & other Erosion Control

- 1. Yes No N/A Are diversion measures shown and type? (diversion dikes & berms, swales or silt ditches) (Drawing Nos. 815-605-10, 20, 815-008-01 & 02). For Pipe Slope drains see the Field Manual.
Construction Plan Sheet(s)
- 2. **Rolled Erosion Control Products**
Erosion Control Data Sheet
 - a. Erosion Blankets
 Yes No N/A Does the project have slopes 2.0H:1V or flatter? If so Erosion Control Blankets (ECBs) or a mulch equivalent is required for temporary stabilization Reference Supplemental Technical Specifications SC-M-815-9, and SC-M-815-11, and Standard Drawing No. 815-605-30.
 - b. Matting
 Yes No N/A Does the project have slopes greater than 2.0H:1V? If so, use Turf Reinforcement Matting (TRMs). Reference Supplemental Technical Specification SC-M-815-9, and Standard Drawing No.815-605-30.
- 3. Yes No N/A Have the necessary Hydraulic Erosion Control Products (HECP) pay items been included on the construction plans' quantity sheet? Reference Supplemental Technical Specification SC-M-815-11.
Construction Plan Sheet(s)
- 4. Yes No N/A Have the necessary SCDOT Seeding Specification Pay Items been included on the construction plans' quantity sheet? Reference Supplemental Technical Specification SC-M-810-4.
Construction Plan Sheet(s)

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D. Discharge Point Stabilization

Construction Plan Sheet(s)

1. Yes No N/A Are locations shown for any Pipe Outlet Stabilization? Indicate locations on the construction plan sheets.
(Drawing Nos. 804-305-01, 02, & 03 and 804- 310-00).

E. Ditch Checks

1. Yes No N/A Are Rock Ditch Check Dams proposed? (Refer to Drawing No. 815-105-00).

Construction Plan Sheet(s)

2. Yes No N/A Are Enhanced Stacked Ditch Checks proposed, refer to Supplemental Technical Specification SC-M-815-19. Refer to (Drawing No. 815-106-00) for height and spacing.

Construction Plan Sheet(s)

3. Yes No N/A Are Sediment tubes for Ditch Checks proposed? Refer to Supplemental Tech Specs SC-M-815-1 and SC-M-815-12 and refer to Drawing No. 815-205-00.

Erosion Control Data Sheet

F. Sediment Basins

Construction Plan Sheet(s)

1. Yes No N/A Is a standard sediment basin(s) proposed? (Drawings 815-305-01, 02, 03, 04, 05, 06, & 07).

2. If the non-standardized basin proposed then:

- a. Yes No N/A Are locations included for the porous baffle(s), emergency spillway, outlet structure, sediment stake, inlet pipes, velocity controls & outlet protection (referenced on plans)?
- b. Yes No N/A Are the basins designed to accommodate sediment loading and meet a removal efficiency of 80 percent TSS for the 10-year, 24- hr. design event, or 3,600 cubic feet of sediment storage volume per disturbed acre that drains to the outfall point excluding off site flows, whichever is less?
- c. Yes No N/A Is surface withdrawal discharge included in the sediment basin design?
- d. Yes No N/A Calculations must be provided that show the basin has been designed to meet the same standards as required for a standard sediment basin.

G. Sediment Dams

Erosion Control Data Sheet

(Applicable for drainage areas with 2 to <10 acres disturbed)

1. Yes No N/A Are there Standard Sediment Dams used for this project?
Refer to (Drawing Nos. 815- 405-01, 815-405-02).
2. Yes No N/A Are there equivalent measures used in place of sediment dams?
3. Yes No N/A Are there any nonstandard sediment dam(s) proposed for this project?
If so, then calculations must be provided that show the basin has been designed to meet the same standards as required for a standard sediment dam.

C-SWPPP section: _____

4. Yes No N/A Is the area draining to each basin been outlined in a drainage area map?

C-SWPPP section: _____

5. Yes No N/A Are any Sediment Dam for Pipe Inlets proposed. See (Drawing No. 815-406-00).

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H. Inlet Protection

Construction Plan Sheet(s)

1. Yes No N/A Are inlet protection locations shown or referenced? Supplemental Technical

Spec. SC-M-815-8. Determine flows to inlet in order to determine type.
Indicate type(s) on Erosion Control Data Sheets. :

- Type A: Low Flow. For Filter Fabric & Sediment Tube types:
Refer to Drawing No. 815- 001-01.
- Type B: Medium Flow: Refer to Drawing No. 815-002-00.
- Type D: High Flow, for drainage areas up to 2 acres:
Refer to Drawing No. 815- 002- 0.
- Type E: Surface Course curb inlets: Refer to Drawing No. 815-005-00).
- Type F: For drainage areas less than 1 acre. Non-Weighted and Weighted
Refer to Drawing No: 815-006-00.
- Type F: For use as a Slope Interruption Device:
Refer to Type F: Drawing No 815-001-02).
- Type G: Medium Flow, for drainage areas less than 1 acre.
Field Manual only. (Drawing No. SC-11).

I. Post Construction BMPs

Construction Plan Sheet(s)

1. Yes No N/A Are there any proposed Stormwater Manufactured Treatment Devices (MTDs) Type 1 Separation Devices? Show locations.
See Supplemental Technical Spec SC-M-815-13.
2. Yes No N/A Are there any post construction water quality ponds

Note: This form is to be kept in the Hydro SWPPP folder and in the CSWPPP Report.

Signatures

- Yes No N/A Has the C-SWPPP documents been prepared and signed?

SCDOT Hydraulic Team Leader Signature: _____ Date: _____

SCDOT Environmental Permit Coord. Signature: _____ Date: _____

Consultant Program Manager Signature: _____ Date: _____