



COUNTY OF LEXINGTON, SOUTH CAROLINA

Public Works Stormwater Division

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STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS

When a Primary Permittee is seeking coverage under the 2012 Construction General Permit (CGP) and a Land Development Permit with the County, a Comprehensive SWPPP (C-SWPPP) must be developed and submitted to PW/SWD for approval before coverage may be granted and prior to initiating construction on land disturbing activities as follows:

- Development that disturbs greater than one acre or that disturbs less than one acre and is part of a larger common plant of development; or
- As otherwise directed by Lexington County's Public Works and Stormwater Department (PW/SWD).

The C-SWPPP must address all applicable requirements found in Section 3.2 of the 2012 CGP and the Land Development Manual.

Once construction begins, inspection reports and updates to the SWPPP become part of the OS-SWPPP. The OS-SWPPP must be kept on site or a nearby location easily accessible during normal business hours, from the date of commencement of construction activities to the date that the Notice of Termination has been submitted.

For projects that disturb more than 2 acres the preparer of the SWPPP must be a registered professional engineer. More information concerning the requirements of the SWPPP (both C-SWPPP and OS-SWPPP) can be found in the **2012 NPDES General Permit for Stormwater Discharges from Large and Small Construction Activities (CGP)**. This can be found on the SCDHEC website at:

<http://www.scdhec.gov/Environment/WaterQuality/Stormwater/TechnicalDocuments/>

Information on preparing a SWPPP can be found on the Environmental Protection Agency's website at:

<http://water.epa.gov/polwaste/npdes/stormwater/Stormwater-Pollution-Prevention-Plans-for-Construction-Activities.cfm>

Templates for SWPPPs are provided by SCDHEC and are found on their website at:

<http://www.scdhec.gov/Environment/WaterQuality/Stormwater/TechnicalDocuments/>

Listed below are the contents of a SWPPP. This is **not** intended to be a comprehensive list. A more inclusive listing of the requirements can be found in the 2012 CGP and the Land Development Manual.

SWPPP Components:

1. **Phased Plan Requirement.** For non-linear construction sites disturbing more than 5 acres, the Construction Site Plans must include a phased stormwater management plan. This phased plan identifies all BMPs and grading work implemented during a specific portion of a site's construction sequence (e.g., initial grading and perimeter controls, interim land disturbances through final grading, post-construction and final stabilization). Each phase must be addressed and identified on at least one separate plan sheet

as indicated below. One sheet showing all BMPs and grading work for the entire course of the construction project will not be considered a complete phased plan.

- a. For site disturbances less than 10 acres, at least two (2) separate plan phases shall be developed. Each plan phase shall be identified and must be addressed separately on at least one single plan sheet, with each sheet reflecting the conditions and the BMPs necessary to manage Stormwater runoff, erosion and sediment during the phases, at a minimum, listed below:
 - i. **Initial Land Disturbance Phase.** This includes but is not limited to the perimeter BMPs, the necessary sediment and erosion control BMPs to be installed prior to initial/mass grading, and any additional BMPs necessary to keep the construction site in compliance with this permit. Also, buffers and any areas to be left undisturbed must be identified clearly on the plan.
 - ii. **Stabilization Phase.** This includes but is not limited to all stormwater quality and quantity BMPs required to be installed, maintained, and/or retrofitted during the time required to begin the majority of all construction and grading activities, and the time required to bring the construction site into compliance with permanent water quality requirements and into final stabilization.

The scope of the land-disturbing activities and BMPs to be included in each of the phases identified in this section should be evaluated on a site-to-site basis and selected based on what the SWPPP preparer and reviewer deems to be the most appropriate for each construction site.

- b. For site disturbances greater than or equal to 10 acres, at least three (3) separate plan phases shall be developed. Each plan phase shall be identified and must be addressed separately on at least one single plan sheet, with each sheet reflecting the conditions and the BMPs necessary to manage Stormwater runoff, erosion and sediment during the phases, at a minimum, listed below:
 - i. **Initial Land Disturbance Phase.** This includes but is not limited to the perimeter BMPs, the necessary sediment and erosion control BMPs to be installed prior to initial/mass grading, and any additional BMPs necessary to keep the construction site in compliance with this permit. Areas to be left undisturbed must be clearly shown on the plan as well.
 - ii. **Construction Phase.** This includes but is not limited to all sediment and erosion control BMPs necessary to be installed, maintained and designed to prevent sediment-laden stormwater from discharging off-site during construction. Examples of such BMP control measures to include in this phase are all temporary BMPs used to convey, manage, and treat stormwater runoff including additional sediment traps and sediments basins, rock check dams, silt fence, sediment tubes, inlet protection, temporary conveyance channels and any other sediment control measure. All areas to be left undisturbed must be clearly shown as well.
 - iii. **Stabilization Phase.** This includes but is not limited to all stormwater quality and quantity BMP control measures required to be installed, maintained, and/or retrofitted during the time required to bring a construction site into compliance with permanent water quality requirements and into final stabilization.

The scope of the land-disturbing activities and BMPs to be included in each of the phases identified in this section should be evaluated on a site-to-site basis and chosen based on what the SWPPP preparer and reviewer deems to be the most appropriate for each construction site.

2. Identify all buffers as follows:
 - a. Construction buffers. For sites disturbing from 1 to 5 acres, construction buffers must be applied as required by SCR10000 Section 3.2.4.C.
 - b. Permanent water quality buffers. For sites disturbing 5 acres or more, permanent water quality buffers must be provided as required by Chapter 7 of the LDM.
 - c. All buffers must be marked as areas not to be disturbed on the plans and identified in the field prior to land disturbance
3. Identify all potential sources of pollution which may negatively impact the quality of stormwater discharges.
4. Provide descriptions of the following site activities:
 - a. Scope of project
 - b. Sequence of major activities
 - c. Estimate of total disturbed area
 - d. Location map
 - e. Direction of stormwater flow
 - f. Slope/grade after major grading
 - g. Temporary and permanent BMP locations (structural and non-structural)
 - h. Locations of off-site materials storage
 - i. Equipment storage areas
 - j. Location of Waters of the State
 - k. Discharge points to local surface waters
5. Controls to Reduce Pollutants
 - a. Description of pollution control measures used to control pollutants in stormwater discharges (for both construction and post-construction)
 - b. Description of all interim and permanent stabilization practices
 - c. Ensure preservation of existing vegetation where feasible
 - d. Discharges to impaired waters including TMDLs. Ensure selected BMPs will not impact or contribute to water quality impairments.
6. Description of temporary erosion and sediment controls, permanent stormwater quality and quantity control measures, and water quality treatment credits, including design of all measures per the Land Development Manual.
7. Indicate which areas on site that operators and operators with “day-to-day” control are responsible for.
8. Operators with “day-to-day” control of activities must ensure compliance with the portion of the site they have control over. They must ensure implementation of BMPs and other controls required by the SWPPP. Make sure their activities do not render another party’s pollution control ineffective.

9. Records that must be kept with the SWPPP
 - a. Dates of major grading
 - b. Dates of temporary or permanent stopping of work
 - c. Dates of stabilization methods
 - d. Copies of the NOI, NPDES Coverage letter, NPDES Construction General Permit, approved plans and specifications, LDP approval, Corps of Engineers and/or SCDHEC approvals for streams/wetland impacts, inspector certifications, and inspection and rainfall documentation.

10. Permanent stormwater management practices must be shown on the plans, and supporting documentation as described in the Land Development Manual must be provided.

INSPECTIONS

After construction activities begin, inspections must be conducted by the permit holder or his/her designated representative at a minimum of at least once every calendar week and must be conducted until final stabilization is reached on all areas of the construction site. An inspection is recommended within 24 hours of the end of a storm event of 0.5 inches or greater. A record of each inspection along with records of any subsequent maintenance required after an inspection must be retained as part of the OS-SWPPP.

For projects larger than 2 acres inspections must be conducted by the SWPPP preparer, someone under the direct supervision of the SWPPP preparer or by a certified sediment and erosion control inspector.

Permittees shall either maintain an on-site rain gauge or use data from a certified weather record located within a reasonable proximity of the construction site, to record rainfall records from any significant rainfall event, 0.5 inches or greater. These rainfall records must be maintained in a Rain Log located in the OS-SWPPP.

SCDHEC may require on a case-by-case basis that the Permittee submit monthly report summarizing the inspections at the site and any associated maintenance activity.