

00020S07 - Stormwater Information for Consultants & Contractors

Prepare a Stormwater Pollution Prevention Plan (SWPPP). SWPPPs are required for sites with a disturbed area of one acre or more. All other projects shall adhere to these principles.

The SWPPP must be prepared and signed by a professional engineer or landscape architect licensed in Kentucky. All hydrologic, hydraulic, structural and geotechnical design work in the plan must be prepared and signed by a professional engineer licensed in Kentucky. Plans must integrate nonstructural and structural practices and procedures to control erosion and sediment loss.

The SWPPP must be developed in accordance with good practices, and must identify expected sources of pollution and describe how they will be controlled using Best Management Practices (BMPs).

Stormwater Pollution Prevention Plans (SWPPPs) are written descriptions and drawings of construction sites, their soil and drainage characteristics, and how site operators will control erosion, sediment, and pollutant runoff through planning/operational approaches (e.g., prompt seeding and mulching) and structural field installations (e.g., silt fencing, ditch liners, sediment traps). Best Management Practices (BMPs) are planning/operational approaches, structural installations, and other field practices for reducing erosion, sediment loss, and polluted runoff from construction sites or other areas. BMPs for specific construction activities have been developed in the "Kentucky Erosion Prevention and Sediment Control Field Guide" and "The Planning and Technical Specification Manual for Stormwater Pollution Prevention Plans, revised Oct. 2009".

The AE shall provide services for Items 1 and 2 listed below and cause the Contractor/CM to provide services for items 3, 4, and 5 below, by entering this work into their scope of work.

Sequence of activities for the development and implementation of the SWPPP for all construction sites on Campus:

AE's tasks:

1. Site Evaluation

- Collect site information (soils, slopes, drainage)
- Produce map or drawing of existing site
- Create final project design map or drawing
- Measure the site area and delineate drainage area(s)

2. Selection of Controls and SWPPP Design

- Implement state and local requirements in design for temporary BMP's during construction and for post construction storm water quality treatment.

00020S07 - Stormwater Information for Consultants & Contractors

- Select erosion and sediment controls most appropriate for the drainage area, topography, and flow type (sheet flow versus concentrated flow)
- Select controls to manage stormwater around waste areas, concrete washout areas, vehicle maintenance activities, etc.
- Indicate location of controls on map/drawing. Include standard drawings for each structural control measure. Note length, width, depth and materials specifications on the drawings so the contractor can correctly install designed measures.
- Identify the sequence of major activities, with emphasis on the installation of initial control measures prior to beginning land disturbing activities.
- Submit plan with phase 3 review documents for Owner's review.
- Verify that permanent storm water structures are constructed to provide required storm water quality. Provide Operations and Maintenance manuals for permanent storm water structures prior to substantial completion.

Insure that inspections and maintenance requirements are consistent with KYR10.

Contractor's Responsibilities:

3. Permitting and Notification

- Identify all known contractors and subcontractors. Include their contact information and primary EPSC contact in the SWPPP
- Assemble plan from previous activities (1 and 2 above). Ensure the requirements of KYR10 are fully addressed in the SWPPP.
- Submit Notice of Intent for coverage of Storm Water Discharges Associated with Construction Activities Under the KPDES Storm Water General Permit KYR10 (KPDES permit) . A copy of the NOI can be found here:
http://dep.ky.gov/formslibrary/Documents/NOISWCA_51909_.pdf
- Send copy of NOI and response from DOW to Owner.
- Apply for and obtain local permits (Projects off of Lexington Campus only) . Projects on campus are exempt from obtaining an Excavation Permit from the Lexington Fayette Urban County Government (LFUCG) as the SWPPP is sent to the Kentucky Department of Water in Frankfort.
- Distribute SWPPP to contractors and subs

00020S07 - Stormwater Information for Consultants & Contractors

- Land disturbing activities CANNOT begin until the site has a Notice of Coverage from KDOW. This NOC will be sent to the operator noted in Section I of the NOI.
- Prepare to commence construction activities

4. Construction of SWPPP Implementation

- Hold a preconstruction meeting to discuss the SWPPP. Post the NOC on the job board as well as a note about where the SWPPP can be found for review. Contractor should be in attendance.
- Install BMP's such as, basins, traps, drainage, and sediment barriers before beginning land disturbing activities, including the construction exit. Once prevention measures have been installed, grading can commence.
- Maintain all measures in working condition. Perform maintenance activities identified during inspections prior to the next rain event. Remove sediment from behind measures when 1/3 the storage volume has been filled.
- Stabilize disturbed areas within 14 days of stopping construction activities on any portion of the site.
- Join AE and Owner's inspector on their inspections.

5. Install and Maintain Measures

- Inspect the site every 7 calendar days. Document site conditions, rainfall, maintenance activities needed and performed, stabilization needed and performed, and where new measures are needed. Discuss deficiencies with UK Project Manager.
- Implement other controls as needed.
- Maintain controls, document actions. Stabilize all bare areas, slopes, and ditches with a permanent groundcover. The stabilization goal is a uniform 70% coverage over the entire site with a permanent groundcover.
- Remove all temporary controls and trapped soil
- Once the site has been permanently stabilized, complete and submit the Notice of Termination of Coverage Under the KPDES General Permit for Storm Water Discharges Associated with Construction Activity. Inspections can cease once the NOT has been submitted to the KDOW. The NOT can be found here: <http://dep.ky.gov/formslibrary/Documents/NOT-SWCA.doc>
- Notify the Owner, (or local government for projects off of Lexington Campus) that work is complete and Notice of Termination has been filed.