

# Low Hazard Erosion and Sedimentation Control Plan

Project \_\_\_\_\_

Landowner \_\_\_\_\_

Address \_\_\_\_\_

City, State, Zip \_\_\_\_\_ Telephone \_\_\_\_\_

Project Location \_\_\_\_\_

Receiving Stream \_\_\_\_\_ USGS Quad \_\_\_\_\_

Municipality \_\_\_\_\_ County \_\_\_\_\_

Has the Municipality been contacted? \_\_\_\_\_ Project start date \_\_\_\_\_ Project end date \_\_\_\_\_

Person responsible for construction and maintenance of earthmoving operations and implementation of the erosion and sedimentation control plan:

Name \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_ Telephone \_\_\_\_\_

Person preparing this Erosion and Sedimentation Control Plan:

Name \_\_\_\_\_ Company \_\_\_\_\_

Address \_\_\_\_\_ Telephone \_\_\_\_\_

**I. Topographic Features of Surrounding Area.**

- Attached is an 8½ X 11 copy of the USGS topographic map showing the project area.
- Topographic features are also shown on the attached Plot Plan.

**II. Soils**

- Attached is an 8½ X 11 copy of the USDA Soil Conservation Service Soil Survey map of the project area.
- Soil types are delineated on the attached Plot Plan.

Soil Types Present in Project Area	Slope	Hydric ?

- A formal wetland determination has been made for this project area by \_\_\_\_\_
- All work shall comply with 25 Pa. Code Chapter 105 in regards to wetlands encroachments.

**III. Proposed Alteration to the Area.**

Project Description \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

A Plot Plan is attached showing the limits of the proposed alteration.

Approximate area of disturbance = \_\_\_\_\_

**IV. Stormwater Runoff and Drainage.**

- Off-site runoff will affect the project. Off-site runoff must be controlled or diverted using BMPs as described in VI below.
- This project will increase runoff velocities in stormwater channels. Calculations are attached and appropriate BMPs are described in VI below.
- This project should not be affected by off-site runoff and will not increase runoff velocities.

**V. Chapter 93 Designation of receiving stream:** \_\_\_\_\_

**VI. Location and Description of BMPs.**

- A temporary diversion of earth, straw bales, or other material will be made immediately upslope of the area to be disturbed. It will be gently sloped to the outlet end at which place the water will not cause problems or flooding. This will be done prior to earth disturbance.
- A grassed waterway or swale will be maintained to conduct clean water through or around the site of disturbance. It will not cause problems or flooding.
- Temporary straw bale barriers shall be installed downslope of the area to be disturbed. Installation shall be in accordance with Standard Construction Detail #17 (attached)<sup>1</sup>. This will be done prior to each disturbance.
- Temporary filter fabric fence shall be installed downslope of the area to be disturbed. Installation shall be in accordance with Standard Construction Detail #19 (attached)<sup>1</sup>. This will be done prior to each disturbance.
- Temporary seeding shall be made on areas which will be exposed for longer than 20 days without any further earth moving activity. Temporary seeding shall be in accordance with Standard Worksheet #7 (attached)<sup>1</sup>.
- Mulch of straw, hay, or other suitable material shall be applied as temporary cover on areas which will be exposed for longer than 20 days without any further earth moving activity.
- Permanent seeding shall be made immediately upon completion of the project and final grading. Permanent seeding shall be in accordance with Standard Worksheet #7 (attached)<sup>1</sup>.
- Sod shall be placed immediately upon completion of the project and final grading.
- All temporary diversions and sediment barriers shall be removed after re-establishing permanent vegetation.
- All temporary diversions and sediment barriers shall be removed at the time of final grading. Permanent seeding or sodding shall be done immediately at completion of final grading.
- Wetland areas shall be clearly marked prior to construction. No excavation or fill shall take place in wetlands.

**VII. Sequence of Installation and Removal of BMPs and Earthwork Activities.**

Order	Activity
_____	Construct temporary surface water diversion, waterway, or swale.
_____	Install temporary straw bale sedimentation barriers or filter fabric fence.
_____	Excavation for and construction of _____
_____	Excavation for and construction of _____
_____	Backfill and rough grade.
_____	Temporary seeding and/or mulching of exposed areas.
_____	Permanent seeding and mulching of disturbed areas.
_____	Remove temporary diversions, sedimentation barriers after permanent vegetation is established.

**VIII. Supporting Calculations.**

- Stormwater diversion and/or conveyance channels are proposed and supporting calculations are attached.
- Standard Construction Details or Worksheets for BMPs are attached.

**IX. Erosion and Sedimentation Control Plan Drawings.**

- A Plot Plan is attached showing the proposed disturbance, proposed BMPs, and contours.
- Final contours will be similar to the original contours.
- Final contours will differ significantly from the original contours. Proposed final contours are plotted on the attached Plot Plan.

**X. Maintenance.**

- BMPs shall be inspected weekly and after every storm event. BMPs will be repaired or cleaned as necessary.
- If the proposed BMPs prove incapable of adequately removing sediment from on-site flows prior to discharge, or of stabilizing the surface involved, additional measures shall be implemented immediately to eliminate all such problems.
- Permanent vegetative cover will be maintained by reseeding, mulching, and mowing where necessary to meet and exceed the standards and to control erosion. Fertilizer and lime will be added to meet the needs of the vegetation.

**XI. Proper Measures for Recycling or Disposal of Materials.**

- Where possible, waste material will be reused or recycled.
- Non-recyclable waste material shall be removed from the site and taken to a DEP approved disposal facility.

**XII. Identification of natural occurring geologic formations or soil conditions that may cause pollution.**

- Geologic formations containing minerals in sufficient quantities that may result in discharges are identified within the plan and on the plan sheet. Measures to prevent said discharges are identified within the plan.<sup>1</sup>
- Bedrock or soil conditions which could result in significant slop failures, resulting in mass soil movement to surface waters, property damage, or a public safety hazard are identified, and the plan addresses such hazard.<sup>1</sup>
- No geologic formations and or soil conditions have been identified on site.

**XIII. Identification of potential thermal impacts to surface waters of the Commonwealth.**

- Thermal impacts are addressed within, and BMPs to mitigate impacts are clearly indicated.
- No thermal impacts anticipated due to no proposed impervious areas, and / or significant changes to cover.

**XIV. E&S plan consistent with PCSM plan.**

- E&S plan consistent with municipal and or local PCSM plan as applicable.
- No proposed impervious area. Site will be restored to pre-existing cover conditions.

**XV. Identification of existing and proposed riparian forest buffers.**

- Buffers have been identified and incorporated in accordance with 25 Pa. Code § 102.14.
- Project is not located in a HQ or EV watershed, or otherwise does not require riparian forest buffers.

<sup>1</sup>Please attach additional information and or pages as necessary.