HUNTINGDON COUNTY CONSERVATION DISTRICT

Conserving Natural Resources for Our Future

Last Revised 5/2021

EROSION & SEDIMENT CONTROL (E&S) PLAN

For projects disturbing less than one (1) acre

According to Pennsylvania's Clean Streams Law and Chapter 102 Regulations for Erosion & Sediment Control, any earth disturbance activity totaling 5,000 square feet or more and/or any earth disturbance activity because of its proximity to existing drainage features or patterns, that has the potential to discharge to a water classified as a High Quality or Exceptional Value water under Chapter 93 (relating to water quality standards), is **required to have a written Erosion and Sediment Control (E&S) Plan and to have the plan available on site**. This E&S Plan template was designed by the Conservation District to assist landowners, developers, and contractors in meeting this requirement. Guidelines for Developing and Implementing an Effective Erosion Control Plan can be found on our website or at http://bit.ly/ErosionPlanGuide.

Earth disturbance activities totaling ONE (1) acre or greater are required to obtain an NPDES Permit.
https://huntingdoncd.org/projects-over-one-acre-npdes
Activities in or near a stream, floodway, and/or wetland may require Chapter 105 permitting.
https://huntingdoncd.org/water-obstruction-encroachment-ch-105

1 – GENERAL INFORMATION:

Project Name: _____ Date: _____

Landowner Name: _____ Phone Number: _____
Address: _____
Email: _____

Contractor Name: _____ Phone Number: _____
Address: _____
Email: _____

Plan Preparer Name: _____ Phone Number: _____
Address: _____
Email: _____

Total disturbed acres: _____ Municipality: _____

Address of project location: _____

Directions or a Tax Parcel ID: _____
http://bit.ly/CTaxParcelViewer

Detailed project description: _____

Total Earth Disturbance Area Calculation Chart			
	Total Length (feet) x	Total Width (feet) =	Area (square feet)
Access Roads/Driveways			0
Foundation/Building #1			0
Foundation/Building #2			0
Lawn/Landscape Area			0
Water/Sewer/Septic/Utilities			0
Soil Stockpiles			0
Other			0
Other			0
Total Area (square feet)			0
Total Acres (square feet ÷ 43,560)			0

2 – MAP

Complete a sketch plan or plan drawing of the project site and the immediate surrounding area. Graph paper is provided for your use or you may attach a plan drawing which includes the following information:

- ☐ North arrow
- ☐ Existing buildings, roadways and other structures
- ☐ Proposed buildings, roadways and other structures
- ☐ Streams, creeks and other watercourses
- ☐ Other waters (i.e., lakes, ponds, wetlands, etc.)
- ☐ Limit of earth disturbance
- ☐ Location of erosion and sediment control devices (i.e., compost filter sock, rock construction entrance, vegetative buffer, etc.)

3 – LAND USE

Past land use: _____

Present land use: _____

Proposed land use: _____

4 – SOILS

Soil information may be obtained from the USDA NRCS Web Soil Survey. Please contact the HCCD E&S Technician for assistance if needed. https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm

List below and/or include a Web Soil Survey report:

Soil symbol(s): _____

Name(s) of the Soil Series: _____

erosion hazard: ☐ *low* ☐ *moderate* ☐ *or severe*

Infiltration capacity: ☐ *poorly drained* ☐ *moderately drained* ☐ *or well-drained*

List other soil use limitations: _____

Hydric soils are defined as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part.

List of hydric soils for Huntingdon County http://bit.ly/hydricsoilsHuntingdonCounty

Are there any hydric soils listed within the project area? Yes ☐ No ☐
If yes, then a wetland determination may be required. The three essential characteristics of wetlands are hydrophytic vegetation, hydric soils, and wetland hydrology. It is always best to design your project in ways that avoid potential impacts to wetlands.

5 – WATERS OF THE COMMONWEALTH
What is the closest receiving water, stream, creek, river, stormwater inlet, or other drainage features in or near the project area? All projects will have a watershed. Please contact the HCCD E&S Technician for assistance if needed.

Name of the receiving stream: _____

Is this a Chapter 93 High Quality stream: Yes ☐ No ☐
Does the project drain to stormwater inlets? Yes ☐ No ☐ If, so, please show location on the drawing.
Is there a municipal stormwater ordinance? Yes ☐ No ☐ If so, please follow any requirements.

Chapter 93 Designated Water Uses and Stream Quality http://bit.ly/DesignatedStreamQuality
ABACT rated E&S BMPs may be required for Exceptional Value (EV) and High Quality (HQ) streams.

Is the project located within 50 feet (or within the defined FEMA floodway) of a stream? Yes ☐ No ☐
Estimated distance _____feet from the edge of the project earth disturbance to the nearest stream?
Are there wetlands, springs or swampy areas in or near the project area? Yes ☐ No ☐
Are there lakes, ponds or other water bodies in or near the project area? Yes ☐ No ☐

If the project is within or contains a waterway, wetland, or other surface water, a PA DEP Chapter 105 Permit is required. Please contact PA DEP South-Central Regional Office Waterways & Wetlands Program (Harrisburg) at (717) 705-4802 and ask for the 105 Permitting Engineer assigned to Huntingdon County.

6 – RUNOFF
All off-site surface water should be diverted away from areas to be disturbed using diversion ditches or earthen berms. These structures should be stabilized with seed, mulch and/or erosion control blankets. Concentrated flows should discharge to well vegetated areas. Rip rap may be need for high velocity discharges that have potential to cause erosion. Downspouts should be directed toward areas with sufficient infiltration. *Check with the local municipality to determine specific stormwater control requirements.*

7 – EROSION & SEDIMENT (E&S) CONTROLS
The following is a list of DEP approved erosion and sediment control devices. The location of all erosion and sediment control devices must be shown on the plan drawing(s). Refer to the standard construction details identified in the DEP Erosion and Sediment Pollution Control Program Manual for proper construction and installation of these controls. http://www.depgreenport.state.pa.us/elibrary/GetFolder?FolderID=4680

Temporary erosion and sediment controls are required and must be installed prior to earth disturbance activities. Permanent erosion and sediment controls must be implemented once the earth disturbance activity has been completed.

Please check ALL the erosion and sediment control devices that will be used for this project:

Temporary Erosion Controls:

☐ Rock Construction Entrance	☐ Vegetative Filter Strip	☐ Compost Filter Sock
☐ Water Bars	☐ Sediment Trap	☐ Fabric Silt Fence
☐ Pumped Water Filter Bags	☐ Inlet Filter Bags	☐ Straw Bale Barriers
☐ Riprap Apron	☐ Rock Filters	☐ Diversion Berm
☐ Erosion Control Blanket	☐ Seed and Mulch	☐ Wood Chip Filter Berm

Others: _____

_____

Permanent Erosion Controls:

☐ Perennial Vegetation >70%	☐ Landscaping	☐ Broad-Based Dips
☐ Hardscape/Pavement	☐ Stone	☐ Turnouts
☐ Swales or Channels	☐ Riparian Buffer	☐ Diversion Berms
☐ Stormwater Retention/Infiltration	☐ Riprap Apron	☐ Road Drainage Crown

Others: _____

_____

8 – SEQUENCE OF CONSTRUCTION

1. Install rock construction entrance.
2. Install temporary erosion control devices. Devices must be properly installed and operational before proceeding.
3. Site grading.
4. Temporary seeding and mulching of disturbed areas.
5. Building or project completion.
6. Install permanent erosion control devices.
7. Remove temporary erosion control devices when a uniform 70% vegetative cover, stone base or pavement has been established over the entire disturbed area.

☐ I have read and understand the above construction sequence. I plan to use this sequence for this project.
Signature _____ **Date** _____

☐ I *do not* plan to use the above construction sequence. I will use the following: **(attach your construction sequence to this sheet)**.

9 – MAINTENANCE PROGRAM

All erosion control devices will be inspected on a weekly basis and after any precipitation event. Sediment will be removed from erosion control devices when sediment has filled erosion control's storage capacity to 50%. Sediment removed from the storage device will be placed in a location that is protected with erosion controls and will be seeded and mulched. Needed repairs or replacements of any erosion control device will be made within 24 hours.

☐ I have read and understand the above maintenance program. I plan to implement the above program for this project. **Signature** _____ **Date** _____

☐ I *do not* plan to use the above maintenance program. I will use the following: **(attach your maintenance program to this sheet)**.

10 – RECYCLING AND DISPOSAL OF MATERIALS

All excess soil, rock and waste materials will be taken to a site that has an E&S Plan with the appropriate erosion control devices in place. Any construction waste materials will be taken to a DEP approved landfill. Where possible, construction materials will be recycled.

☐ I have read and understand the above recycling and disposal program. I plan to implement the above program for this project. **Signature** _____ **Date** _____

☐ I *do not* plan to use the above recycling and disposal program. I will use the following: **(attach your recycling and disposal program to this sheet)**.

11 – STABILIZATION

All areas that were disturbed during the earthmoving activity or placement of waste/fill materials will be stabilized as per requirements in Chapter 102.22. **This may require the placement of topsoil or other growing medium in order to achieve the required 70% vegetative cover.**

Name of responsible person_____

Signature _____ **Date** _____

12 – SUPPORTING CALCULATIONS

Are design calculations required for this project? Yes ☐ No ☐

If yes, attach a copy of all calculations conducted for culvert sizing, sediment trap design, sediment basin design, rock apron design, etc.

13 – CERTIFICATION

As the landowner/developer, I certify that this erosion and sediment control plan will be implemented and maintained as described in the plan. This plan will be **available at all times** at the project site during the earthmoving activity and until permanent/final stabilization has been achieved.

Signature _____ **Date** _____

When do I submit an E&S Plan to the Conservation District for review?

*Projects that involve DEP permitting (NPDES or Chapter 105) require that an E&S Plan be submitted to the Conservation District for review and approval.
*As required or deemed necessary by some organizations, municipalities, or agencies for any earth disturbance project; specifically recommended if the project poses a high risk for sediment to reach a waterway.
*An E&S Plan may otherwise not be required for review but must still be completed and kept on-site during construction.

What do I submit to the Conservation District for review?

*This completed and signed erosion and sediment control plan.
*The plan drawing(s).
*The USGS topographic map with the project location indicated.
*The soils map with the project location indicated.
*Completed and signed *Erosion & Sediment Pollution Control Plan Review Application*. http://bit.ly/ReviewFeeSchedule
*Plan review fee as described within the *Plan Review Application*.

Submit this information to:
Huntingdon County Conservation District
10605 Raystown Road, Suite A
Huntingdon, PA 16652

If you have any questions regarding the development of an E&S plan for your project, please contact the District's E&S Technician at (814) 627-1626 ext. 3019 erosion@huntingdonconservation.org

North Arrow:

Legend Symbols:
Road
Property Boundary —pb—
Stream
Limits of Earth Disturbance
Buildings
Slope Direction

Scale: 1 inch = _____ feet

Erosion & Sediment Controls:

E & S Plan Drawing
Project Name:
_____
Municipality:
_____
Plan Preparer:
_____
Date:
_____