



E&S Plan No. \_\_\_\_\_

Date Issued \_\_\_\_\_

## EROSION & SEDIMENT CONTROL (E&S) PLAN

Earth disturbance activity totaling **5,000 square feet or more** is required to have a written Erosion and Sediment Control (E&S) Plan according to state regulations. This E&S Plan template, developed by the Clarion County Conservation District, was designed to assist landowners, developers and contractors in meeting this requirement. **Earth disturbance activities totaling 1 acre or more are required to obtain a NPDES Permit.**

### 1. GENERAL INFORMATION

DATE: \_\_\_\_\_ Total disturbed acres: \_\_\_\_\_

Municipality: \_\_\_\_\_

Detailed project description: \_\_\_\_\_

\_\_\_\_\_

Landowner Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

Contractor: \_\_\_\_\_ Phone #: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

Plan Preparer Name: \_\_\_\_\_ Phone #: \_\_\_\_\_

**2. MAP** Complete a sketch plan or drawing of the project site and the immediate surrounding area on the attached sheet. The following information should be clearly identified on the plan drawing:

- 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., rock construction entrance, silt fence, rock

**3. SOILS** Soil information can be obtained from the **NRCS Web Soil Survey**.

<https://websoilsurvey.sc.egov.usda.gov/App/HomePage.htm>

Soil symbol(s): \_\_\_\_\_

Name(s) of the Soil Series \_\_\_\_\_

Erosion hazard is low \_\_\_\_\_ moderate \_\_\_\_\_ severe \_\_\_\_\_.

Soil is poorly drained \_\_\_\_\_ moderately drained \_\_\_\_\_ well-drained \_\_\_\_\_ List other soil use limitations: \_\_\_\_\_

**4. LAND USE**

Past land use \_\_\_\_\_

Present land use \_\_\_\_\_

Proposed land use \_\_\_\_\_

**5. RUNOFF** All off-site surface water should be diverted away from disturbed areas using diversion ditches or earthen berms. These structures should be stabilized with seed, mulch and/or erosion control blankets. Check with the Conservation District to determine specific stormwater control requirements.

**6. WATERS OF THE COMMONWEALTH** Are there streams, creeks or other watercourses in or near the project area? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, name the receiving 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 \_\_\_\_\_

Is the project located within 50 feet of a stream? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, a PA DEP permit is required. **Contact the Conservation District office.**

**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. Temporary erosion and sediment controls are required and must be installed prior to earth disturbance. 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 \_\_\_\_\_  
Straw Bale Barriers \_\_\_\_\_ Filter Fabric Fence \_\_\_\_\_ Pumped Water Filter Bags \_\_\_\_\_ Inlet Filter  
Bags \_\_\_\_\_ Riprap Apron \_\_\_\_\_ Rock Filters \_\_\_\_\_ Erosion Control Blanket \_\_\_\_\_ Seed and  
Mulch \_\_\_\_\_ Water Bars \_\_\_\_\_ Sediment Trap \_\_\_\_\_

Others: \_\_\_\_\_

**Permanent Erosion Controls:** Seed and Mulch \_\_\_\_\_ Landscaping \_\_\_\_\_ Pavement \_\_\_\_\_  
Stone \_\_\_\_\_ Ditches or Channels \_\_\_\_\_ Stormwater Detention \_\_\_\_\_

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. 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.

## 10.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 reduced the 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. A written log of repairs and inspections must be kept on site with the plan.

\_\_\_\_\_ 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).

**11.RECYCLING AND DISPOSAL OF MATERIALS** All excess soil, rock and building materials will be taken to a site that has been approved by the Clarion County Conservation District. This site must have 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).

**12. 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 \_\_\_\_\_

**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 \_\_\_\_\_

**What do I submit to the Conservation District for review and approval?**

- plan drawing(s).
- completed and signed erosion and sediment control plan.
- USGS topographic map with the project location indicated.
- soils map with the project location indicated.
- Erosion & Sediment Pollution Control Plan Review Application.
- Plan review fee \$150 made payable to Clarion County Conservation District.

**Submit this information to:**

Devin Lineman, E&S Technician

Clarion County Conservation District

214 South 7<sup>th</sup> Ave. Room 106A

Clarion PA 16214.

*linemanccd@gmail.com*

If you have any questions regarding the development of this E&S plan for your project, please contact the District at 814-297-7812