

Resources:

www.allentownpa.gov/Public-Works/Stormwater

- City of Allentown Stormwater and Street Ordinance:
 - Part Seven General Offenses Code
 - Part Nine Streets, Utilities, and Public Services
 - Part Eleven Public Health Code
- City of Allentown Zoning Ordinance
- Commonwealth of Pennsylvania Code, Title 25, Chapter 102. Erosion and Sediment Control
- Lehigh County Conservation District MS4 Program

For additional information:

- Pennsylvania Association of Best Management Practices for Developing Areas:

www.pacd.org/products/bmp/bmp_handbook.html

- Pennsylvania Department of Environmental Protection E&S Resources

<https://www.dep.pa.gov/Business/Water/CleanWater/StormwaterMgmt/Stormwater%20Construction/Pages/E-S%20Resources.aspx>

**Please report illegal dumping or discharges into creeks,
ditches, catch basins, or streets to the**

City of Allentown.

Stormwater—610-437-7587

SWEEP—610-437-8729

The goal of the City of Allentown's Stormwater Management Program is to manage the drainage infrastructure, in order to minimize pollution from entering our local waterways



City of Allentown Erosion and Sediment Control

A Guide for Construction

**City of Allentown
Public Works Department**

Report Water Pollution

City of Allentown Public Works

641 South 10th Street

Allentown, PA 18103

610-437-7587

www.allentownpa.gov/public-works/stormwater

REQUIRED E&S PLAN CONTENT

Pa. Code Title 25 Chapter 102.4 (b) requires the “implementation and maintenance of E&S BMPs” to minimize the potential for accelerated erosion and sedimentation, including those activities which disturb less than 5,000 square feet (464.5 square meters)” [102(b)(1)]. It also requires that “a person proposing earth disturbance activities shall develop and implement a written E&S Plan under this chapter if one or more of the following criteria apply [102.4(b)(2)]:

1. The earth disturbance activity will result in a total earth disturbance of 5,000 square feet (464.5 square meters) or more,
2. The person proposing the earth disturbance activities is required to develop an E&S Plan under this chapter or under other Department regulations, or
3. The earth disturbance activity, because of its proximity to existing drainage features or patterns, 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)..”

§102.4(b)(3) requires that the E&S Plan “be prepared by a person trained and experienced in E&S control methods and techniques applicable to the size and scope of the project being designed.”

§102.4(b)(4) requires that “unless otherwise authorized by the Department or conservation district after consultation with the Department, earth disturbance activities shall be planned and implemented to the extent practicable in accordance with the following:

1. Minimize the extent and duration of the earth disturbance.
2. Maximize protection of existing drainage features and vegetation.
3. Minimize soil compaction.
4. Utilize other measures or controls that prevent or minimize the generation of increased stormwater runoff.”

What will happen if I don't install and properly maintain E&S controls?

If E&S controls are not installed and maintained as required, the site may be subject to enforcement action by the City. Depending on the severity of the issue, a Stop Work Order may be placed against the site until the required E&S controls are installed and any damage to City property is repaired. Depending on the size of your project, the Pennsylvania Department of Environmental Protection (PA DEP) may also enforce against the site.

Issues that can lead to violations:

- E&S controls are not installed or being adequately maintained.
- Sediment is tracked into roadways or runs off into inlets, waterways or adjacent properties.
- Stockpiles are unprotected.
- Construction sequence is not being followed.
- Construction activity is not in accordance with approved plans.
- Lack of temporary or final stabilization resulting in sediment runoff.

Typical Erosion and Sediment Controls Applicable to Construction and Demolition Projects

- 1. Rock Construction Entrance:** Install at a minimum 50-feet in length and 20-feet in width. Coarse aggregate (1.5-3 inch stone) should be used. Aggregate layer must be at least 6 inches thick.



2. Silt Fence/Silt Sock Perimeter

Surround the site perimeter and all stockpiles of material with silt fence/sock.

Must trench silt fence and stake silt sock in place.



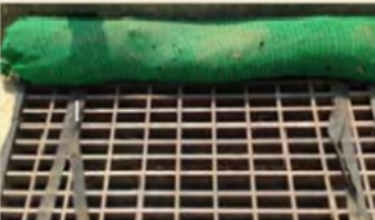
Silt Sock



Silt Fence

3. Inlet Protection:

Install inlet protections such as screening and socks in all on-site inlets and in construction site adjacent street inlets. Remove upon project completion.



Allow for proper drainage with no standing or ponding water around inlets.

4. Dust Control and Site Housekeeping

Spray the site as necessary to minimize dust.

Properly store and dispose of all chemicals and garbage.

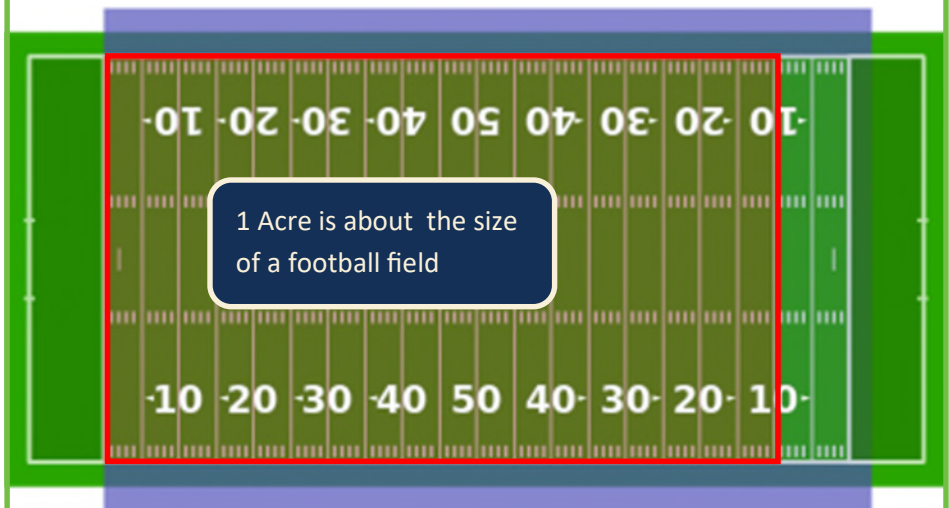


How do I know what E&S requirements apply to my project?

1. Determine the proposed earth disturbance area associated with your project.
2. Refer to the regulations that can be found in the Pennsylvania Code, Title 25. Environmental Protection, Chapter 102: Erosion and Sediment Control.
3. Develop a plan to prevent erosion and sediment runoff from leaving the site and obtain required approvals and permits. If the earth disturbance total for the proposed project requires that an E&S Plan be developed, then the E&S Plan must be available on-site at all times during construction and demolition.

Table: E&S Requirements Based On Earth Disturbance

E&S REQUIREMENTS	Earth Disturbance		
	< 5,000 SQ.FT	5,000 to 15,000 SQ.FT	>1Acre SQ.FT
Implement E&S Controls as necessary on-site	YES	YES	YES
Develop an E&S Plan	NO	YES	YES
Obtain E&S Plan Approval	NO	NO	YES
Obtain PA DEP NPDES Permit	NO	NO	YES



When Is An Erosion and Sedimentation Control Plan (E&S Plan) Required?

The law requires the implementation and maintenance of erosion and sediment controls for any earthmoving activity. Projects having less than 5,000 square feet (about 0.1 acre) of earth disturbance are only exempt from developing a **written** plan (unless in a Special Protection watershed). They are, however, required to implement and maintain erosion and sedimentation controls.

Those projects which disturb 5,000 square feet or more of land are required to develop a written plan, then implement and maintain the erosion controls on the site. The written plan is required to be available on the site at all times.

Projects which disturb equal to or greater than 1.0 acre require a National Pollutant Discharge Elimination System (NPDES) permit for Stormwater Discharges Associated with Construction Activities. As part of this permit, an approved erosion control plan is required.

What Is Needed In An Erosion and Sedimentation Control Plan (E&S Plan)?

An E&S Plan should include plan maps and drawings, topographic features, soils maps and information, location of waterways receiving site runoff, description(s) of the earth disturbance activities, amount of runoff and upstream watershed, a sequence for installation of the erosion controls along with a maintenance program, and procedures for recycling or disposal of materials.

PA DEP Erosion and Sediment Pollution Control Manual, March 2012. Use for assistance and guidance with plan writing, BMP design specifications and details for compliance with the Commonwealth's Chapter 102 regulations. Also includes chapters on activities such as: utility lines projects, low hazard individual lot E&S planning, site stabilization methods and streambank stabilization.