

Florida Stormwater, Erosion, and Sedimentation Control
Inspector Training and Certification Program

Course Syllabus

Day One

Chapter 1 – Introduction to Erosion and Sediment Control

- The Erosion Process
- Impacts of Sedimentation and Erosion
- Principles of Erosion and Sediment Control

Chapter 2 – Soils

- General Overview
- Classification and Properties
- Soil Surveys

Chapter 3 – Regulatory Overview

- Introduction
- NPDES Permitting Regulatory Requirements
- Construction Stormwater Pollution Plan Template

Chapter 4 – BMP's for Erosion and Sedimentation Control

- Construction Sequencing
- Pollution Source Controls on Construction Sites
- Temporary Gravel Construction Exit
- Perimeter Controls
- Storm drain Inlet Protection
- Temporary Sediment Trap

Chapter 5 – BMP's for Dewatering Operations

- Introduction
- Limitations
- Implementation
- Inspection and Maintenance

Chapter 6 - BMP's for Stormwater Management

- Earthwork Specifications
- Retention Basins
- Exfiltration Trenches
- Porous Pavement
- Concrete Grid and Modular Pavement
- Detention Basins
- Underdrains and Stormwater Filter Systems
- Grassed Waterways and Swales
- Stormwater Conveyance Channel

Chapter 6 - BMP's for Stormwater Management (continued)

- Paved Flume
- Diversion
- Check Dam
- Outlet Protection
- Riprap
- Grid Confinement System
- Cellular Concrete Block
- Maintenance

Chapter 7 – BMP's – Vegetation for Erosion Control

- Surface Roughening
- Topsoiling
- Temporary Seeding
- Permanent Seeding
- Sodding
- Mulching
- Tree Preservation and Protection
- Vegetative Streambank Stabilization

Day Two

Chapter 8 - The Erosion and Sediment Control Plan

- Elements of an erosion and sediment control plan
- Implementing an erosion and sediment control plan

Chapter 9 – Inspection and Enforcement

- The role of the inspector
- Site inspection
- Regulatory Agencies

Review and Q&A Session

Examination

A minimum score of 70% is required to obtain the Florida Stormwater, Erosion, and Sedimentation Control Inspector Certification.