

Program Administrator For Erosion and Sediment Control

Participant Guide



Training provided by the Virginia Department of Environmental Quality
Office of Training Services

Version 3.0

Agenda

Day 1

8:30 – 9:15	Module 1 – Introduction and Course Overview
9:15 – 10:00	Module 2 – Administering a VESCP (VESCL)
9:45 – 10:00	Break
10:00 – 12:00	Module 3 – Regulatory requirements for land disturbing activities
12:00 – 1:00	Lunch
1:00 – 2:15	Module 4 – Fundamentals of Erosion and Stormwater Runoff
2:15 – 2:30	Break
2:30 – 4:00	Module 5 – Virginia Erosion and Sediment Control Handbook and ESC Plan Elements

Course Table of Contents

Module 1: Introduction to the Virginia Erosion and Sediment Control Program

- 1a: Program Overview
- 1b: Training and Certification

Module 2: Administering a VESCP (VESCL statutory requirements)

- 2a: Overview and Roles of VESCP staff
- 2b: Program statutory requirements (law overview)
- 2c: Program reviews by DEQ

Module 3: Regulatory requirements for land disturbing activities

- 3a Regulatory Erosion and Sediment Control Program
- 3b: Regulation Minimum Standards

Module 4: Fundamentals of Erosion and Stormwater Runoff

- 4a: Overview.....
- 4b: Erosion defined
- 4c: Runoff
- 4d: Principles of Erosion and Sediment Control

Module 5: The Virginia Erosion & Sediment Control Handbook and ESC Plan Elements

- 5a: Overview
- 5b: Structural Practices
- 5c: Vegetative Practices
- 5d. ESC Plan Elements.....

Course Goal

Provide participants with the knowledge and tools needed to effectively implement an Erosion and Sediment Control Program consistently with the regulatory requirements of the Virginia Erosion and Sediment Control Act and Regulations and to ensure the general health, safety and welfare of the citizens of Virginia, as well as provide protection for state waters.

Acronyms

Board: State Water Control Board

BMP: Best management practice

CA: Composted amended soils

CBPA: Chesapeake Bay Preservation Area

CDA: Contributing drainage area

CFS: Cubic feet per second

CN: Curve number

CPv: Channel protection volume

CSN: Chesapeake Stormwater Network

CSO: Combined sewer overflow

CWA: Clean Water Act

CWP: Center for Watershed Protection

DEQ: Virginia Department of Environmental Quality

ED: Extended detention

EMC: Event mean concentration

EPA: United States Environmental Protection Agency

ESC: Erosion and sediment control

ESD: Environmental site design

g/cc: Grams (weight) per milliliter (volume)

GP or Construction GP: Construction General Permit

HSG: Hydrologic soil groups

HUC: Hydrologic unit code

I-D-F curves: Intensity-Duration-Frequency curves

LDA: Land-disturbing activity

LID: Low-impact development

MS4: Municipal Separate Storm Sewer System

NHRCS TR-55: Natural Resources Conservation Service Technical Release 55

NOAA: National Oceanic and Atmospheric Administration

NPDES: National Pollutant Discharge Elimination System

NPS: Non-point source

P: Phosphorus

P2 Plan: Pollution prevention plan

RR: Runoff reduction

RRM: Runoff Reduction Method

SAV: Submerged aquatic vegetation

SWM: Stormwater management

SWPPP: Stormwater pollution prevention plan

Tc or TOC: Time of concentration

TMDL: Total Maximum Daily Load (a federal and state regulatory term which describes the maximum pollutant amount a body of water can receive while still meeting water quality standards)

Tv: Treatment volume

VESCL: Virginia Erosion and Sediment Control Law

VESCP: Virginia Erosion and Sediment Control Program

VRRM: Virginia Runoff Reduction Method

VSMA: Virginia Stormwater Management Act

VSMP: Virginia Stormwater Management Program

VPDES: Virginia Pollutant Discharge Elimination System