

# **Program Administrator for Erosion and Sediment Control**

Participant Guide



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

Version 5.0

May 2024



# Table of Contents

---

## **Acronyms and Course Goal**

### **Module 1: Introduction**

- 1a. Virginia Erosion Program Overview
- 1b. Training and Certification

### **Module 2: Fundamentals of Erosion and Runoff**

- 2a. Erosion Defined
- 2b. Stormwater Runoff
- 2c. Principles of Erosion and Sediment Control

### **Module 3: Administering an Erosion Program**

- 3a. Regulating Land-Disturbing Activities
- 3b. Local Ordinances for Chesapeake Bay Preservation Act LDAs
- 3c. Plan Submission, Review, and Approval
- 3d. Standards and Specifications
- 3e. Inspections
- 3f. Enforcement
- 3g. DEQ Compliance Review

### **Module 4: ESC Plan Components**

- 4a. Erosion and Sediment Control Plan Elements
- 4b. Minimum Standards 1-18
- 4c. MS-19: Channel and Flood Protection Criteria

### **Module 5: Construction Best Management Practices**

- 5a. Design Specifications for Construction BMPs
- 5b. Erosion Control Measures – C-ECM
- 5c. Environmentally Sensitive Area Protection – C-ENV
- 5d. Perimeter Control Measures – C-PCM
- 5e. Sediment Control Measures – C-SCM
- 5f. Surface Stabilization Measures – C-SSM
- 5g. Native vs. Invasive Plant Species for Erosion and Sediment Control

### **Appendix I: Knowledge Check Solutions**

## Acronyms

---

ac.: Acre

BMP: Best management practice

CATS: Certification Accreditation Tracking System

C-BMP: Construction Best Management Practice

CBPA: Chesapeake Bay Preservation Act

CGP or Construction GP: Construction General Permit; General VPDES permit for the discharges of stormwater from construction activities

CWP: Center for Watershed Protection

DEQ: Virginia Department of Environmental Quality

ESC: Erosion and sediment control

ESD or SD: Environmental Site Design: Stormwater Site Design

ESM: Soil Erosion Control and Stormwater Management (Plan)

HUC: Hydrologic unit code

lbs.: Pounds

LDA: Land-disturbing activity

MS4: Municipal Separate Storm Sewer System

O&M: Operation and maintenance

P2 plan: Pollution prevention plan

P-BMP: Post-Construction Best Management Practice

PCB: Polychlorinated Biphenyl

RLD: Responsible land disturber

SWM: Stormwater management

SWPPP: Stormwater pollution prevention plan

TMDL: Total maximum daily load

VESCP: Virginia Erosion and Sediment Control Program

VESMA: Virginia Erosion and Stormwater Management Act

VESMP: Virginia Erosion and Stormwater Management Program

VPDES: Virginia Pollutant Discharge Elimination System

VRRM: Virginia Runoff Reduction Method

VSMP: Virginia Stormwater Management Program

VSWHB: Virginia Stormwater Management Handbook

## Course Goal

---

Provide participants with the knowledge and tools needed to effectively implement an erosion program, consistent with the governing requirements of the:

- Virginia Erosion and Sediment Control Law (ESCL) for Localities Not Administering a Virginia Erosion and Stormwater Management Program (VESMP)
- Virginia Erosion and Stormwater Management Act (VESMA), and
- Virginia Erosion and Stormwater Management (VESM) Regulation,

and to ensure the general health, safety, and welfare of the citizens of Virginia, as well as provide protection for state waters.