STORMWATER MANAGEMENT & EROSION CONTROL (SMEC) Training Program for Colorado

COURSE DESCRIPTION

This course has been developed by Altitude Training Associates, LLC in conjunction with the Water Quality Control Division (WQCD) and is an introductory training program for stormwater management and erosion control. The class is based on the *Stormwater Discharges Associated with Construction Activity* General Permit (Permit) under the Colorado Discharge Permitting System (CDPS). Construction activities that disturb equal to or greater than one acre are required to secure permit coverage. This program is for those involved in the proper installation and maintenance of pollutant **Control Measures** (Best Management Practices - BMP) on construction sites. This class is offered in a variety of formats inlcuding online and hybrid. For those offerings in person, there is a half day field trip to a construction site to evaluate implemented control measures. ***This course also serves as a prerequiste for the Qualified Stormwater Manager (QSM) program.***

The program covers:

- The Stormwater Program permit requirements and Stormwater Management Plans (SWMPs)
- Erosion and Sedimentation at construction sites
- Types of Control Meaures for specific conditions
- Installing and maintaining construction site Control Measures

Methods of delivery:

This class is offered in a variety of delivery methods including all online (instructor led), all in person, and hybrid. A hybrid class is one in which part of the class is taken online and part of the class is taken in person

LEARNING OBJECTIVES

Upon completion of this class, you will be able to:

- List the permit requirements under the construction stormwater program.
- Describe the impacts to water quality caused by erosion and sedimentation.
- Describe the installation and maintenance requirements for Control Meaures used during construction to protect wter quality.

INSTRUCTOR

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AGENDA (Note: 10 minute breaks will be hourly with a one hour lunch break). **Class typically starts at 8am and wraps up at the end of the day around 4pm.**

Module	Time	Topic
Module 1 Introduction Regulatory Requirements	1.5 Hours	Participant and Course Introduction Learning Objectives Regulatory Program & Permit Requirements Stormwater Management Plans (SWMP)
Module 2 The Erosion Process	0.5 Hour	The Erosion Process & Objectives for Erosion Control
Module 3 Control Measures for Erosion Control	2 Hours	Types of Control Measures (CM) for Erosion Control: Phasing, Administrative, Grading Techniques, Diversions, Slope Drains, Outlet Protection, and Vegetative Cover, Rolled Erosion Control Products, Velocity Checks
LUNCH	**One Hour**	
Module 3 – continued	0.5 Hour	Off Site Tracking Control
Module 4 Control Measures for Sediment Removal	2.0 Hour	Types of Control Measures (CM) for Sediment. Sediment Barriers, sediment entrapment.
Module 5 Pollution Prevention Housekeeping Practices	0.5 hour	Control Measures for Materials Handling, Equipment and Waste Management
Conclusion, Review, Knowledge Check	0.5 hour	Kahoot! (game based learning platform)

30th 1995-2025

ALTITUDE TRAINING ATA ASSOCIATES

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