Colorado QUALIFIED STORMWATER MANAGER (QSM) Certification Program

CLASS INTRODUCTION

The Stormwater Discharges Associated with Construction Activity permit this cycle **became effective April 1, 2024**. The permit contains provisions requiring a **Qualified Stormwater Manager** perform specific tasks such as signing compliance documents, implementing the Stormwater Management Plan (SWMP), and conducting routine inspections. A **Qualified Stormwater Manager** is an individual:

1. Knowledgeable in the principles and practices of erosion and sediment control and pollution prevention.
2. Has the skills to assess conditions at construction sites that could impact stormwater quality.
3. Can assess the effectiveness of stormwater controls implemented to meet the requirements of the permit.

COURSE DESCRIPTION

This class is offered in multiple formats including in person and hybrid (one day online, one day in person). The class has been developed to meet the knowledge and skills required to be a QSM as defined in the Colorado Construction General Permit (CGP). This is a certification class that is valid for 3 years. A recognized refresher program (one day) is required every 3 years to keep the certification.

PREREQUISITE

The Qualified Stormwater Manager Certification Program is an intermediate training program. Understanding the fundamentals of Stormwater Management for Construction Activities is a prerequisite of the program. The Stormwater Management & Erosion Control (SMEC) class and the Colorado Springs GEC class meet this prerequisite.

LEARNING OBJECTIVES

Upon successful completion of the training program, you will be able to:

- Describe the responsibilities of the Qualified Stormwater Manager (QSM).
- Evaluate a SWMP for completeness & adequacy to facilitate implementation.
- Select adequate control measures based on site conditions and pollutants.
- Evaluate implemented control measures for proper installation, maintenance, and application to the site conditions.

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QSM COURSE AGENDA - Day One. 8am-4:00pm

Module	*Time (hr.)*	*Topic*	*Delivery*
Module 1 Introduction to the program Evaluating pollutants and site conditions	1.5	Training Participant Introductions Learning Objectives Duties of the Qualified Stormwater Manager (QSM)	Module 1 **Slide Deck** Construction General Permit Duties of the QSM
Module 2 The Stormwater Management Plan (SWMP)	2	Techniques and methods to effectively implement a Stormwater Management Plan (SWMP)	SWMP SWMP Review
LUNCH	1		
Module 3 Site and pollutant evaluation Managing Pollutants	1	Managing Pollutants with Control Measures	Managing Pollutants
Module 4 Group Exercise Selecting Control Measures	2.5	Selecting control measures based on pollutants and phases of Construction.	**Group Activity** – Selecting Control Measures

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QSM COURSE AGENDA – Day Two 8am-4:00pm.

Module	*Time (hr.)*	*Topic*	*Delivery*
Review of day 1 Updating a SWMP	1.0	Review of the first day. Discussion on updating the SWMP.	Q & A Discussion
Module 5 Conducting Site Inspections	2.5	Evaluating control measures for proper installation, maintenance and effectiveness	Inspections Implemented Control Measure Evaluation
LUNCH	1		
Module 6 Construction Site Visit	2.5	Evaluating Site Conditions, pollutant sources, and implemented control measures on a construction site	Implemented Control Measure Evaluation
Class Knowledge Check/Summary	0.5	Knowledge check	Kahoot! (game based learning platform)

10-minute breaks will be approximately on the hour with a one-hour lunch.

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