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**QPswppp - Qualified Preparer of Storm Water Pollution Prevention Plans – Pennsylvania** 

Price: **\$924.00** | Type: **Online** 

Credits: 16.5 PDHs / 1.65 CEUs | Course Length: 16.5 Hours

# Program Overview:

The 16.5-hour, **Qualified Preparer of Erosion & Sediment Control Plan (QPESCP)** credentialing program is comprised of six ADA compliant self-paced interactive online courses.

This program educates individuals to prepare Construction Erosion & Sediment Control Plan (ESCP) in compliance with the National Pollutant Discharge Elimination System (NPDES) permitting program.

As a QPESCP, you will receive a dual credential as a QCIS, which qualifies you to inspect and maintain construction sites for stormwater compliance. This program covers a range of topics including erosion and sediment control, pollution prevention (good housekeeping), on-site construction inspections, and the regulations outlined by the National Pollutant Discharge Elimination System (NPDES) permitting program.

This program has been reviewed and recognized by the EPA and is a Level 300 United States Green Build Council approved training.

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## Program Objectives:

- Identify the components and framework of the National Pollutant Discharge Elimination System (NPDES) permit program.
- Describe the proper installation and maintenance of stormwater Best Management Practices (BMPs).
- Identify the steps necessary to inspect a construction sites and determine possible causes of BMP ineffectiveness and how to correct them.
- Explain how to complete an inspection report and document corrective actions.
- Summarize the communication process necessary between owner, operators, contractors, and stormwater pollution prevention plan designer so the site stays in compliance throughout the construction project.





# Courses Included:

- 1. Introduction to the National Pollutant Discharge Elimination System
- 2. Principles and Practices of Erosion Control
- 3. Principles and Practices of Sediment Control
- 4. Principles and Practices of Pollution Prevention
- 5. On-Site Construction Inspections
- 6. Preparation of a Construction Erosion & Sediment Control Plan



# Introduction to the National Pollutant Discharge Elimination System

The Introduction to the National Pollutant Discharge Elimination System (NPDES) Permitting Program will educate individuals of the permitting process and compliance standards of Clean Water Act's National Pollutant Discharge Elimination System.



## Principles and Practices of Erosion Control

Throughout the U.S. and the world, erosion is one of the leading contributors to water impairment. Erosion is the process by which soil particles are dislodged by water or wind. There is a natural rate of erosion on all soils across the planet, this course drives home how to address the artificially increased rate of erosion due to soil disturbance on a construction site.

This course covers erosion and how it occurs; impacts of erosion on the environment and the economy; the factors that affect erosion; information on vegetation establishment; topsoil and fertilizers; mulch and compost; rolled erosion control devices; and surface roughening.



## Principles and Practices of Sediment Control

Sediment controls are devices or products which slow or pond the overland flow to dissipate water energy so that sediment will fall or settle out. While the final stabilization aims at reducing the erosion across the site, this important step doesn't usually occur until the last 10-25% of the project. Therefore, sediment control is the largest single control measure aimed at preventing the discharge of loose sediment from the site until erosion controls and final stabilization can be achieved.

This course is specifically designed for stormwater management and covers proper installation and placement of silt fence; check dams; wattles; inlet protection; pond types; outlet structures; flocculants; dewatering; and turbidity barriers as they relate to stormwater regulations.



## Principles and Practices of Pollution Prevention

Stormwater regulations mandate that construction projects implement effective waste management practices. Not only are these control measures required for compliance, but historically those with a better understanding of good housekeeping measures and implementing them experience less overall enforcement on their site.

This course covers good housekeeping practices, the proper installation and maintenance requirements of best management practices (BMPs), management of solid waste, sanitary waste, and hazardous waste; concrete washout; dust control; and construction exits.



## 5 On-Site Construction Inspections

This course covers inspection rules and protocol; reviewing the SWPPP for compliance; forms in the SWPPP; updating the SWPPP; site inspections of best management practices (BMPs): proper installation and maintenance of devices; and documentation of inspections. Self-inspection is not only a requirement of the permit coverage for the site, but it also allows for a regular, methodical analysis of the deployed BMP's. This allows the inspector to identify changes to the site, missing or inadequate control measures, as well as addressing any required maintenance or corrective actions to get the site back into compliance.

## **1.0 - Inspection Rules and Protocol**

- 1.1 Who Is the Inspector?
- **1.2** Proper and Safe Protocol
- 1.3 Construction Site Areas of Concern
- 1.4 Recommended Inspection Sequence
- 1.5 Common Compliance Problems During Construction

## 2.0 - SWPPP Overview

- 2.1 The Stormwater Pollution Prevention Plan (SWPPP)
- 2.2 SWPPP Components

## 3.0 - Paperwork Inspection

- 3.1 Paperwork Overview
- 3.2 Contractor Certificate Statement
- 3.3 Inspection Form Guidelines
- 3.4 Hazardous Material (Spill Kit and Spill Center)
- 3.5 Forms and Documentation: Initial Review
- 3.6 Public Posting Sign
- 3.7 Inspection Reports

## 4.0 - Updating the SWPPP

- 4.1 Record of Soil Disturbances
- 4.2 Site Map

## 5.0 - Site Planning and Erosion Control Inspections

- 5.1 Limit of Work and Site Access Control
- 5.2 Protecting Post-Construction BMPs
- 5.3 Tree Protection
- 5.4 Stockpile and Staging Area Management
- 5.5 Hydro-Mulch
- 5.6 Rolled Erosion Control Products (RECPs)
- 5.7 Turf Reinforcement Mats (TRMs)
- 5.8 Outlet Protection
- 5.9 Check Dams
- 5.10 Topsoiling and Soil Stabilization



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## 5 On-Site Construction Inspections continued...

#### 6.0 - Runoff, Sediment and Perimeter Control Inspections

- 6.1 Inlet Protection
- 6.2 Silt Fence
- 6.3 Straw Wattles, Compost Filter Socks and Fiber Rolls

#### 7.0 - Good Housekeeping and Pollution Prevention Inspections

- 7.1 Trash, Dumpsters, and Port-a-Potty
- 7.2 Concrete Washout Areas
- 7.3 Hazardous Waste and Secondary Containment
- 7.4 Entrance/Exits and Track-Out
- 7.5 Wheel Washing Systems

#### 8.0 - Notice of Termination (NOT)

- 8.1 Final Stabilization
- 8.2 Notice of Termination (NOT)
- 8.3 Filing the NOT and Acceptable Grasses for Vegetation
- 8.4 Inspections



## Preparation of a Construction Erosion & Sediment Control Plan

This course covers the proper life cycle of a construction Erosion & Sediment Control Plan (ESCP); gathering the information needed; how to prepare the Construction General Permit application notice of intent (NOI); documents and forms; site maps and details; and proper design procedures.

#### 1.0 - What Is a Erosion & Sediment Control Plan ESCP

- 1.1 Construction ESCP
- 1.2 Life of The ESCP

#### 2.0 - Gathering Information

- 2.1 Asking Questions
- 2.2 Where To Get Information
- 2.3 Review the Regulations and Construction General Permit (CGP)

#### 3.0 - Components of the ESCP

- 3.1 Contents
- 3.2 Certifications
- 3.3 Standard Permit Conditions

#### 4.0 - BMP Design

- 4.1 BMP Framework
- 4.2 Do's and Don'ts of BMP Design
- 4.3 BMP Details

#### 5.0 - ESCP Site Map

- 5.1 Required Information
- 5.2 ESCP Site Map Location

#### 6.0 - Inspections, Corrective Actions and Monitoring

- 6.1 Inspection
- 6.2 Corrective Action and Monitoring Documentation

#### 7.0 - Recordkeeping and Training

- 7.1 Recordkeeping
- 7.2 Training Requirements
- 7.3 Documenting Changes to the ESCP

#### 8.0 - Required ESCP Modifications

- 8.1 Modification Mandates
- 8.2 Logging Modifications
- 8.3 Modification Deadlines
- 8.4 Multiple Operator Notification

