



Charlotte-Mecklenburg Certified Site Inspector (CMCSI)



Lesson Summary:

Presented by Rusty Rozzelle, Mecklenburg County Water Quality Manager

- Lesson 1** Sediment and Water Quality, *Why We Care* (1.3 Hours)
- Historical perspective, importance of water resources in Mecklenburg County
 - Impacts of sediment and turbidity on water quality
 - Summary of water quality data in Mecklenburg County
 - Citizen involvement opportunities

Lessons 2-7 are presented by Michael Burkhard, Senior Environmental Hygienist, Mecklenburg County Water Quality Program; Jeff McDermott, CPESC, Erosion Control Coordinator, City of Charlotte; and Jay Wilson, Erosion Control Coordinator, City of Charlotte.

- Lesson 2** The City of Charlotte Soil Erosion and Sedimentation Control Ordinance (1 Hour)
- Ordinance highlights
 - Ordinance requirements
 - Permitting requirements
 - Permitting sequence
 - Inspection and enforcement
 - Appeal process

- Lesson 3** NPDES, *The State's Role in Construction Site Permitting* (1 Hour)
- Overview of Clean Water Act
 - NPDES Phase 1 requirements
 - NPDES Phase 2 requirements
 - NCG 010000 General Permit for construction related activities
 - Inspection requirements
 - Monitoring requirements
 - Log books and documentation

- Lesson 4** Water Quality, *Construction Sites and Water Quality* (35 Minutes)
- Erosion Control
 - Housekeeping
 - Correcting common mistakes

- Lesson 5** Fundamentals of Erosion Control, *Soil Erosion and Sedimentation Process* (35 Minutes)
- Difference between erosion and sedimentation
 - Understanding the process

- Lesson 6** Installation and Function of BMPs, *What's Protecting Your Site?* (1 Hour)
- Erosion BMPs
 - Sedimentation BMPs

- Lesson 7** Virtual Inspection, *The Good, The Bad, and The Ugly* (1 Hour)
- Interactive presentation to discuss pictured measures

CMCSI Certification Exam (Optional) 50 question multiple-choice test (Passing grade $\geq 75\%$)