Iowa Certified Stormwater Pollution Prevention Plan (SWPPP) Designer eTraining

Course Agenda

**MODULE 1. About the ICSD Certification**  
9:04 mins.)  
Training Details  
The Five Pillar Approach

**MODULE 2. Regulatory Framework**  
(48:29 mins.)  
Clean Water Act • General Permit No. 2 • MS4 Individual Permits  
SWPPPs • Required Paperwork • Certification Statements  
SWPPP Exercise

**MODULE 3. Calculating Soil Loss**  
(41:20 mins.)  
The Erosion Process • Soil Characteristics • USLE Equation

**MODULE 4. Erosion and Sediment BMPs**  
46:57 mins.)  
General Principles • Initial BMPs • Perimeter Controls • Good Housekeeping  
Erosion Controls • Steep Slopes • Channels and Outlets • Final Stabilization  
Inspection Video Exercise

**MODULE 5. Post Construction Stormwater Management**  
(15:54 mins.)  
Water Quality Practices • Soil Quality Restoration • Flood Control Practices

**MODULE 6. SWPPP Design Phases 1-3**  
(46:00 mins.)  
Site Evaluation • Site Assessment  
Erosion Control Design

**MODULE 7. SWPPP Design Phases 4-6**  
(45:52 mins.)  
Sequencing • Construction  
Inspections and Final Stabilization
MODULE 8. SWPPP Shortfalls
SWPPP Narrative • Controls • Dewatering • Winter Stabilization

ICSD Certification Exam
ICSD Code of Ethics

Included Handouts
EPA Expedited Settlement Worksheet
EPA “Developing Your Stormwater Pollution Prevention Plan”
ISWEP SWPPP Template
General Permit No. 2 Topsoil
Soil Ribbon Test Instructions
Construction Site Pollution Prevention BMP Field Guide
Concrete Washout and Wet Saw Cutting Handout
Green Infrastructure: Managing Stormwater in Iowa
SWPPPs and Individual Building Sites
SWPPP Review Checklist