INSTRUCTOR
Jerald S. (Jerry) Fifield, Ph.D., CPESC

Dr. Fifield has more than 25 years of experience in methods used for reducing sediment and erosion on construction sites. Educated as an engineer at Utah State University, he is a Certified Professional in Erosion and Sediment Control (CPESC) and a registered professional hydrologist. He has authored numerous papers and taught hundreds of courses on the subject, training thousands of professionals in how to design effective sediment and erosion control plans for construction sites. Those who have benefited from his experience include designers, engineering firms, contractors, inspectors, developers, municipalities, counties, and state and federal agencies, as well as the general public.

Henderson Water Utility
230 North Alvasia Street
Henderson, KY 42420

Phone (270) 826-2824

www.hkywater.org
Course Description

This two-day course is for designers, contractors, inspectors and regulatory personnel needing to learn about sediment and erosion control on building and construction sites.

The first day for all participants will be non-technical and provide general information on concepts, methods, and best management practices.

The second day is only for designers and reviewers of erosion and sediment control plans. It will include mathematical and engineering concepts about sediment basins and channel protection. Information will also be provided detailing what is necessary for development of effective erosion and sediment control plans. Both sessions will have extensive “hands-on” class exercises.

Fees

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<th>By Nov. 1</th>
<th>Walk-Ins</th>
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<tr>
<td>Day 1 only</td>
<td>$50.00</td>
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<tr>
<td>Both Days</td>
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Special note to members of the Tri-County Business and Industry Training Consortium: Please indicate that your employer is a member of the Consortium and the full cost of this workshop will be covered.

A light breakfast and buffet lunch will be provided. Those attending both days will receive Designing for Effective Sediment and Erosion Control on Construction Sites ($59.95 value), and those attending day one only will receive Best Management Practices Field Manual ($39.95 value).

Each day class is worth 2 credit hours toward the Registered Builders Program. Additionally, this class may apply towards professional development hours for engineers.

Cancellation Policy

Due to commitments to our instructors and facilities, the registration fee is not refundable if a registrant withdraws less than 48 hours before the workshop. You may substitute registrants. (Please notify us in advance if possible.)

Schedule

Day 1 – Tuesday, November 9, 2004

Registration: 7:30 a.m. to 8:00 a.m.
Instruction: 8:00 a.m. to 4:00 p.m.

All participants will attend the following presentations:

Guest Speaker – Doug Allgeier.
Kentucky Division of Water, KPDES Branch
Storm Water Permit Requirements and how to comply

Instructor – Jerald S. Fifield, Ph.D., CPESC

Water Quality Issues
Pollutants and construction sites
Post-construction activities

Regulatory Requirements
Clean Water Act / State and local requirements

Erosion, Sediment Yields, and Sedimentation
Brief discussion on erosion
Brief discussion on sediment yields and sedimentation

Using Barriers to Remove Sediment
Sheet flow conditions
Concentrated flow conditions
Wind-borne particles

Evaluating Erosion Control Methods
Treating runoff
Establishing vegetation
Rolled Erosion Control Products

It Pays to be GREEN
Effective planning and implementation pays off in lower overall initial cost and long term post-construction maintenance

Minimum Plan Requirements
Importance of Communication and Cooperation pre, during, and post construction plans

Inspection and Maintenance Requirements
Structural measures
Non-structural measures

Day 2 – Wednesday, November 10, 2004

Registration: 7:30 a.m. to 8:00 a.m.
Instruction: 8:00 a.m. to 4:00 p.m.

Designers and reviewers of erosion and sediment control plans will attend the following presentations:

Performance Goals and Effectiveness
Class Example / Developing an effective plan

Sediment Containment Systems
Designing effective systems / Examples

Successful Vegetation Establishment
Seed mixtures / Mulches

Using RECPs on Hillsides and in Channels
Who is ECTC? / What are ECBs and TRMx?
Importance of shear stress and velocity

Class Projects

Written Examination
Receive certification by the Henderson Water Utility to design satisfactory erosion and sediment control plans for construction sites, as well as maintain and/or inspect the controls at construction sites.

Hotel Information

Contact Frances Harrell at the Ramada Inn & Suites, phone (270) 826-6600. A block of rooms at the special group rate of $59.95 (single or double) will be held until November 1st. Ask for the Erosion Control Workshop group rate. The hotel was recently remodeled, and features queen size beds in all rooms. Many dining choices are available nearby. An Internet connection is available in all rooms.