

Name _____
 Title _____
 E-mail _____
 Company _____
 Street Address _____
 City / State _____
 Phone _____

It Pays to be GREEN
 November 9-10, 2004
 Ramada Inn & Suites
 Registration: 7:30 a.m.
 Class: 8:00 a.m. – 4:00 p.m.

For more information:
 Call John Baker
 Phone (270) 826-2824
bakerj@hkywater.org
www.hkywater.org

Make your check payable to: **HWU 2004 ESC Workshop**.
 Remove this panel and mail information and payment to:
 Henderson Water Utility, Attn: John Baker, 230 North Alvasia
 Street, Henderson, KY 42420

Early registration deadline is November 1, 2004. There will be a
 \$15 late fee for anyone registering the day of the class.

Please choose Tuesday only or both dates.

Registration begins at 7:30 a.m. each day.

Tuesday only, November 9, 2004
 Registration fee: \$50.00 (\$65.00 after November 1)

Both days, November 9 & 10, 2004
 Registration fee: \$75.00 (\$90.00 after November 1)

My employer is a member of the Tri-County Business
 and Industry Training Consortium, which will
 reimburse HWU for my registration fee.



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



Erosion and Sediment Control for Contractors, Developers, Engineers, Surveyors, Inspectors, and Designers

It Pays
 to be
 Green

Presented by the
 Henderson Water Utility

November 9 – 10, 2004
 7:30 a.m. to 4:00 p.m.
 (Central Standard Time)

Ramada Inn & Suites
 2044 U.S. 41 North
 Henderson, KY 42420

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.

<u>Fees</u>	<u>By Nov. 1</u>	<u>Walk-Ins</u>
Day 1 only:	\$50.00	\$65.00
Both Days:	\$75.00	\$90.00

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.

Certification in Erosion and Sediment Control

Participants who attend both days and successfully pass a written examination will receive certification by the Henderson Water Utility.

Certification is not required in Henderson at this time. However, certification may be required at some time in the future. Individuals who receive certification by Henderson Water Utility will have the knowledge required to design satisfactory erosion and sediment control plans, as well as to maintain and/or inspect the controls at construction sites.

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



Can you identify at least seven problems in this picture?

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.