

KENTUCKY ENGINEERING CENTER



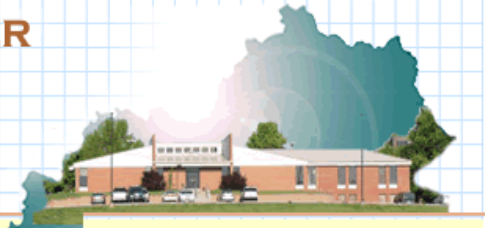
Kentucky Society of Professional Engineers



American Council of Engineering Companies of Kentucky



Kentucky Engineering Foundation



KARST STORMWATER MANAGEMENT

March 9, 2010

10:00am—3:00pm (Central)

Presentation Abstract

This short course consists of 3 hours of lecture and a 2 hour field trip in one of the world's great karsts areas. The classroom part of this course will introduce the hydrology and hydraulics of karsts stormwater management and potential problems that may be encountered. The field trip will provide practical examples of the material covered in class including some of the major areas of flooding in Bowling Green, KY.

Please plan to carpool to off site location.

History: *Bowling Green is 30 minutes from the longest cave in the world. It is a town that was developed on the Pennyroyal sinkhole plain and has experienced most of the problems that can occur when karst is urbanized. Most development in Bowling Green uses stormwater injection wells (dry wells) for stormwater management. With few exceptions, untreated stormwater drains straight to groundwater through more Than 1200 injection wells. Broad shallow sinkholes in Bowling Green are formed in the very soluble St. Genevieve limestone. In some cases, the sinkhole surface expression is very subtle enticing builders to develop within the sinkhole. Most of the flooding problems in Bowling Green are sinkhole related.*

Instructor: **Warren Campbell, PE.** Received his PhD in Civil Engineering from Colorado State, He is a licensed PE in Kentucky and Alabama, and a nationally Certified Floodplain Mgr.

INFORMATION

Fees for

KSPE/ACEC-KY/SAME/KYTC—\$125.00
 Non-members— \$225.00
 (Lunch is included in Fee)

Location: Carroll Knicely Conference Center
 2355 Nashville Rd.
 Bowling Green, KY 42104

Contact Hours for PDH/CPD = 5

Contact information:

Nancy Parker, KSPE/ACEC-KY Seminars
 160 Democrat Dr.
 Frankfort, KY 40601
 Phone: 502-695-5680
 800-455-5573
 Fax: 502-695-0738
 Email: nancy@kyengcenter.org

Payment Information

Make Payable to:
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 Card NO _____
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 VIN #: _____ Card expires: _____
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Registration Form *** Deadline*** March 2, 2010

Class Limit: 30

Name: _____ Grade (PE, PLS, Etc) KSPE/ACEC-KY/SAME Member: Y or N

CO/Org. Name _____ Street Address _____ PO BOX _____

City _____ State _____ ZIP _____ Address is: Work or Home

Phone _____ FAX _____ Email _____