



ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS
Serving Professionals in Groundwater, Environmental, and Engineering Geology

Section Meeting

You are invited to attend the AEG KC/O Section's May 12, 2008 meeting in Omaha, NE. The current AEG President, Dorian Kuper, will be our guest speaker.

Date: Monday, May 12, 2008

Time: 5:30-6:00 Registration
6:00 Dinner
7:00 Speaker Presentation

Topic: Highwalls to Highways – Engineering Geology Case Studies of Aggregate Mining and Reclamation

Speaker: Dorian Kuper AEG President, Engineering Geologist Kuper Consulting, Portland, Oregon

Cost: \$ 25/person
Students \$ 12

Location: Upstream Brewing Company, 17070 Wright Plaza (171st & West Center Road), Omaha, NE 68130

Directions to the Upstream Brewing Company are available at: www.upstreambrewing.com

Eligible for 1.0 Professional Development Hour (PDH) for attending.

For reservations, please call Blane Wood at (913) 563-1452 or email blane.wood@pacelabs.com. Reservation **deadline is noon May 8, 2008**. To access this information on the internet, please go to our section web page at www.vocshop.com/aeg/aegkco.html.

Don't forget our membership incentive program: bring a guest and receive a free gift, recruit a new member and earn free attendance at the next meeting for both of you!

Dorian Kuper Biography

Dorian E. Kuper (M-OR) received BA degrees in Geology and Environmental Studies from University of California Santa Barbara, and a MS degree in Geology from San Diego State University. She has 26 years of experience in Engineering Geology in Southern California, Oregon and Washington. Currently, she is the President of Kuper Consulting in Oregon, focusing on engineering geology, permitting and mine plan reclamation for aggregate sites. Professional Registration in California, Oregon and Washington as an Engineering Geologist.

AEG Professional activities include: Currently the President of AEG, Legislative Liaison for Oregon AEG, Co-chaired Programs Director for Oregon AEG, co-authored and organized national and local AEG field trips. She has been a member since the early 1980's. Past President of the National Association of State Boards of Geology (ASBOG - 2003), Chair of the Oregon State Board of Geologists (1998, 1999), and President of the San Diego Association of Geologists (1983), member of GSA, ASSMR and IAEG.

Highwalls to Highways – Engineering Geology Case Studies of Aggregate Mining and Reclamation

Aggregate mining sites are about as popular as landfills and dams – no one wants them and yet society needs them. Rock and sand and gravel aggregates provide the necessary building blocks for our roads, bridges, buildings and homes. Engineering and environmental geology play an important role in evaluating and permitting mining sites, as well as reclaiming the sites into secondary beneficial uses.

The technical evaluation of a mine site involves field and laboratory work as well as quantifying the quality and quantity of the aggregate resource, and analyzing the impacts to the environment such as wetlands, wildlife, surface water and groundwater. The political side is as important as the technical side. Understanding neighbors concerns as they relate to mining – water, noise, dust, truck traffic and how a site will be mined and reclaimed are issues that need to be addressed during the permit process.

This talk will present examples of how an engineering geologist evaluates a future mine site. It will detail the field aspects, the proposed mine plan as well as how a site may be reclaimed with case histories. And it will show how geologists play a critical role in the political aspects of permitting mine sites by working with the decision makers. Advocacy of our profession is a huge goal of AEG and I hope to demonstrate how AEG can further educate and promote our profession with the public by presenting case histories.