



**ASSOCIATION OF ENVIRONMENTAL &
ENGINEERING GEOLOGISTS**
SOUTHERN CALIFORNIA SECTION, SAN DIEGO CHAPTER
"Serving Professionals in Engineering, Environmental and
Ground-Water Geology"

SAN DIEGO CHAPTER, JULY 2008 NEWSLETTER

NOTICE: NEXT MEETING THURSDAY, JULY 17, 2008. Join our SDAG brethren for a night of revelry and revelation at the Catalina Room in the Marina Village complex, 1936 Quivira Way, Mission Beach, San Diego, California. Social Hour at 5:30 PM, Dinner at 6:30 PM, Showtime 7:00 PM. Members and Guests, \$30.00; Students, \$15.00; \$5.00 discount for Current AEG Members. Make reservations **NO LATER THAN JULY 15th**. RSVP with the usual suspects; Lesley Barnes at Tetra Tech (lesley.barnes@ttemi.com). You may also sign up through the SDAG website. Be there or be SQUARE. Directions are appended to the newsletter.

Our speaker will be **AEG's** current President, Dorian Kuper who will preside over a discussion of **Highwalls to Highways – Engineering Geology Case Studies of Aggregate Mining and Reclamation (or how I stopped worrying and learned to love the open pit)**.

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.



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President Kuper's resume is solid gold, as we all know, but for you newbie's out there; Dorian E. Kuper (M-OR) – BA degrees in Geology and Environmental Studies from University of California Santa Barbara, MS degree in Geology from San Diego State University and has 26 years of experience in Engineering Geology in Southern California, Oregon and Washington.

Currently the President of Kuper Consulting in Oregon, focusing on engineering geology, permitting and mine plan reclamation for aggregate sites. She has 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, member since the early 1980's. Dorian is 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.

JUNE STUFF

Jonathon Goodmacher held the first committee meeting regarding Low Impact Development (LID) standards being adopted throughout the region. Jonathon reports that there were a lot of issues brought to the table, some long-term, some short-term. Problems dealing with local agencies, options for treatment, and problems with lateral migration were among the topics discussed.

In the short-term, the committee will be focusing on developing a protocol for conducting infiltration studies.

CHAPTER PRESIDENTS COMMENTS – Steven Bradley, CEG

We hope that we see all of the local AEG members at this month's meeting with "*La Presidenta*" Dorian Kuper as the guest speaker (and don't forget her significant half Tom will be there too). Be sure to sign up early, this should be a well attended meeting and a great chance to visit with our SDAG compadres.

I wanted to welcome the new (or renewed) San Diego area members to the Southern California section of the AEG:

Jeff Blake
Michael Burnett
Jonathan Bush



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Michael Ertwine
Greg Farrand
Michael Faulkner
Michael Higgins
John Hower
Mukesh Menta
Steven Norris
Derek Rector
Brian Olson
Hans Van de Vrugt
Troy Wilson
Darren Knight

Please feel free to contact any of the chapter board members if you have any questions or need assistance information on the local chapter.

Regards,
Steve

NEWS AND NOTES FROM THE FIELD:

Dave Shug (URS) has promised to regale us with tales of Del Coronado Ghosts and Faults this fall. Jim Sanders (Geotechnics) will give us a quick review of the All American Canal Lining Project he's been working on. We are looking for some additional speakers as neither of these guys have enough to say to keep us occupied for the entire evening. If you have a 10-15 minute presentation you'd like to...er...present, let the management know.

If you are not receiving a newsletter, please contact Lee Vanderhurst at lvanderhurst@geotechnicsinc.com.

MISSION STATEMENT

The San Diego Chapter of the AEG subscribes to the national AEG's mission statement. The Association of Environmental & Engineering Geologists (AEG) contributes to its members' professional success and the public welfare by providing leadership, advocacy, and applied research in environmental and engineering geology.

AEG AND USEFUL LOCAL LINKS

- Southern California Section AEG: <http://www.aegsc.org/>
- National AEG: <http://www.aegweb.org/>
- San Diego Association of Geologists <http://www.sandiegogeologists.org>



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- American Society of Civil Engineers,
San Diego Geotechnical Group http://www.asce-sd.org/groups_geotech.asp
- San Diego State University,
Geology Department <http://www.geology.sdsu.edu>
- DCA Board of Geology <http://www.geology.ca.gov>

EMPLOYMENT

As a service to our members, AEG San Diego welcomes job postings - either for open positions or jobs wanted. Please contact Lee Vanderhurst (lvanderhurst@geotechnicsinc.com) for information on advertising in this newsletter. The cost for an ad is \$25 per month.

CHAPTER CONTACT INFORMATION

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|-------------------|-----------------|----------------------|--------------|---------------------------------|
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July Meeting Location

**Location: Marina Village
Catalina Room
1936 Quivira Way
Mission Bay, San Diego, CA 92109**

FROM INTERSTATE 5: Take the SEA WORLD DRIVE exit. From SEA WORLD DRIVE, take WEST MISSION BAY DRIVE on your right. When you see the large green sign that says QUIVIRA ROAD, get in the farthest left of the two left turn lanes. Turn left, go one very short block and turn left again. Drive about one half mile and MARINA VILLAGE will be on your right.

FROM INTERSTATE 8: Take the WEST MISSION BAY DRIVE exit to the right. You will be on INGRAHAM STREET for a short distance from which you will take the next exit marked WEST MISSION BAY DRIVE on your right. When you see the large green sign that says QUIVIRA ROAD, get in the farthest left of the two left turn lanes. Turn left, go one very short block and turn left again. Drive about one half mile and MARINA VILLAGE will be on your right.