



AEG SACRAMENTO

Monthly Bulletin and Meeting Announcement

February Meeting

Time certainly flies by during the shortest month of the year! So here we are again, ready for the next exciting installment of the AEG Sacramento speaking schedule. This month we have a special treat for all you folks who deal with naturally occurring asbestos. Our own Dave Siederquist and Jim Flores of Forensic Analytical will be bringing us up to speed on the latest efforts to improve sample collection, preparation and analysis techniques in the identification of NOA, including a visual demonstration of PLM analysis to help attendees better understand the laboratory analysis process.

As an added bonus, we will be holding our meeting at the Sacramento Brewing Co. in Citrus Heights. They have some tasty options available to us on their menu, so be sure to RSVP and come out for what is sure to be another great meeting!

Section Meeting Date: February 28, 2006

Meeting Location: **Sacramento Brewing Co.**, 7811 Madison Ave, Citrus Heights. Directions: Take I-80 or Business 80 east, Exit Madison Ave. Make a U-turn at Sunrise and a right turn at Village Way...then look for the big Egyptian tomb.

Meeting Schedule:

- 5:30 - 6:30 Sign-In & Social Hour
- 6:30 - 7:30 Dinner & Announcements
- 7:30 - 8:15 Speaker Talk & Slide Show
- 8:15 - 8:30 Questions & Answers

NOA: The latest update on CARB TM 435 testing and a demonstration of PLM

David Siederquist, CEG, Youngdahl Consulting Group, Inc., El Dorado Hills, CA

Jim Flores, Optical Microscopy Supervisor, Forensic Analytical, Hayward, CA

Abstract:

Current California State regulations require that when soil or rock are tested for naturally occurring asbestos, the California Air Resources Board Test Method 435 be used. The method, originally designed for serpentinite aggregate, is now being used for wide ranges of materials in extremely variable conditions. Experience has shown that when using multiple laboratories on a single project to analyze splits of the same material, significant variability can result. The Association of Environmental and Engineering Geologists (AEG) and the Surveyors, Architects, Geologists, and Engineers (SAGE) of El Dorado County are cosponsoring an ad-hoc group of laboratories, geologists, soil scientists, asbestos consultants, asbestos scientists, and key regulatory agency authorities, that is working to first identify, and then reduce, the sources of variability between sample collection techniques, sample preparation techniques, and laboratory analysis techniques that may be contributing to this variability. David Sederquist will present a general view of the process that is being followed in this effort. Jim Flores, of Forensic Analytical, will set up a Polarized Light Microscope with slides of asbestos and non-asbestos materials to demonstrate the analytical end of the ARB TM 435 process to help attendees better understand the laboratory method.

David Siederquist

David Sederquist is a Certified Engineering Geologist/Certified Hydrogeologist with more than 16 years of experience with engineering geology, environmental geology, and hydrogeology in the Sierra Nevada Foothills. He has been at the forefront of the Naturally Occurring Asbestos Issue since 1998 and works to provide problem solving skills to both government and private sector clients. He is chairman of the SAGE Environmental Science Committee, which reviews environmental regulations developed by local governments and assists in making the regulations to be applicable and workable.

Jim Flores

Jim Flores is the Optical Microscopy Supervisor for Forensic Analytical in Hayward, California. Initially trained in QA/QC by the U.S. Marine Corps, he now has over 14 years of education and experience as a laboratory analyst. He specializes in the analysis of air samples for particulates, specifically asbestos and mold, using phase contrast microscopy NIOSH 7400 A/B Method and polarized light microscopy EPA600/R93-116. Mr. Flores now also manages the California ARB 435 Resource Method determination of asbestos in soil.

Announcements

Dr. Sands Figuers is seeking to complete a collection of AEG field trip guidebooks. If there are any members out there who might be able to assist him in locating these guidebooks, we have posted Dr. Figuers list in pdf form on the AEG Sacramento website on the Annoucements page.

February 2006 AEG Meeting Facsimile Transmittal Sheet

(or e-mail to the address below)

To: Lisa Breckenridge (Wallace-Kuhl & Associates, Inc.)
email: LBreckenridge@wallace-kuhl.com

Phone: (916) 372-1434

Fax: (916) 290-5429

From: _____

Or You Can Sign Up Online at: www.aegsacto.org

Subject: February 2006 AEG Sacramento Section Meeting

Date: February 28th, 2006

Place: **Sacramento Brewing Company**
7811 Madison Ave, Citrus Heights, CA
(For directions, see page 1)

Time: 5:30 - 6:30 PM - Sign In and Social Hour
6:30 - 7:30 PM - Dinner & Announcements
7:30 - 8:15 PM - Speaker Talk and Slide Show
8:15 - 8:30 PM - Questions and Answers

On the Menu:

	Members (w/RSVP) / Non-members & walk ins
<i>Vegetarian Lasagna</i>	\$18.00 / \$20.00
<i>Champagne Chicken</i>	\$23.00 / \$25.00
<i>Steak and Shrimp</i>	\$28.00 / \$30.00
<i>Honey Pecan Salmon</i>	\$28.00 / \$30.00

Notes: First 5 Students (w/RSVP) Eat For Free!
Additional Student RSVPs: \$5.00 Student Walk-ins: \$10.00
Alcoholic beverages are available for those 21 and over on a cash basis.

AEG Sacramento 2006 Calendar of Events

January 31st	Dr. Lisa Hammersley, Sacramento State University The Clear Lake Volcanic Field
February 28th	Jim Flores and David Siederquist NOA: The latest update and a demonstration of PLM
March 27th	David Bieber and Bob Anderson "An Engineering Geological Tourist's Introduction to South Africa's Geohazards"
April 25th	Ross Guenther Reopening of the Idaho-Maryland Mine, Grass Valley, CA
April 28	Proposed Drilling and Sampling Technologies Workshop
May 30th	TBA
June 27th	TBA
July	No meeting
August 29th	TBA
September	TBA
October 24th	3rd Annual Student Night Speaker TBA
Oct. 30-Nov. 4	AEG 2006 National Meeting; Boston, MA "NORTHEAST ENGINEERING GEOLOGY: FROM TILL TO FILL"
November	Thanksgiving Holiday, No meeting
December	Joint AEG-GRA Holiday Meeting Speaker and Date TBA