

Newsletter

AEG Inland Empire Chapter News

Southern California Section, Association of Environmental and Engineering Geologists

Editor: Rick Gundry rick.gundry@verizon.net (951) 924-6756

July 7, 2008

Vol. 6, No. 7

-- -- Election of Chapter Officers 2008-2009 -- --

"Attact of the Killer Bacteria – The Fate of Perchlorate at the Stringfellow Superfund Site"

Wednesday 16-July-2008

5:00 - 6:00	Geologist Orientation	Bar Room
6:20 - 7:20	Dinner Meeting	Banquet Room
7:30 - 8:30	Guest Speaker Presentation	Banquet Room

Marie Calendars, Redlands

(Meeting Cost \$30.00, includes taxes, room and gratuity)

(Fund-raising donation suggested is \$5.00, or more)

(RSVP/Directions below)

This Months Speaker

Dr. Galen Kenoyer, PG, Principle Hydrogeologist. RMT, Inc., Los Angeles, CA

Abstract

Geologic conditions exert primary control over the fate and transport of perchlorate at the Stringfellow Superfund site. Perchlorate degradation appears to be minimal in the sandy aerobic aquifer, as concentrations of perchlorate persist over a 5-mile long plume, until it approaches the river. At the distal end of the plume, a dramatic change in the fate of perchlorate occurs beneath the Santa Ana River. Organic-rich sediments deposited beneath the river result in a local anaerobic environment, one that is favorable for perchlorate degradation. Sampling of mini-piezometers installed into the river sediments shows that the perchlorate and nitrate concentrations fall to below detection as the aquifer environment changes to reducing conditions. The observed natural reduction of perchlorate suggests that perchlorate-reducing bacteria occur in the organic-rich sediments, and they can effectively remove perchlorate from the groundwater.

Speaker Biography

Galen has 26 years of experience in environmental consulting and groundwater teaching and research. He received his BA and MS from the University of Maine, and Ph.D. from University of Wisconsin, Madison. He served as assistant professor of hydrogeology for 5 years at Wright State University in Dayton, Ohio. He is a Professional Geologist, and environmental consultant specializing in complex sites

investigation/ remediation. He is a Principal Hydrogeologist at RMT, Inc., in Los Angeles. Contact info: 213-700-8904(cell); galen.kenoyer@rmtinc.com

Comments from the Chapter Chair

The June meeting was held in Marie Calendars in Temecula. Thanks to Dr. John Izbicki with the USGS and a very informative presentation on an innovative method of constructing discrete velocity logs using a tracer-pulse method. This information is then used to collect depth-dependent water samples.

*There is an **URGENT NEED** for nominations for next year's slate of officers. Currently there is only one nomination for the South VP! Now is the opportunity to become involved with one of the most proactive Chapters of the AEG. The board is actively seeking nominations for Chairman, North VP, and Treasurer. The August meeting is the time for presentation of the officers running for the next year. Please feel free to contact me if you have any questions or have a nomination or would like to nominate yourself.*

Please RSVP for next months meeting by contacting Kleinfelder Redlands at 909-793-2691. Leave your name and company with the receptionist or contact Mike Cook at mcook@kleinfelder.com or Lisa Battiato at thegeochic@aol.com.

And remember a geologist is someone who considers a "recent event" to be anything that has happened in the last hundred million years.

*Mike Cook
Chapter Chairman*

Meeting Details (see inside). **RSVP Due by COB 10-July-08** Send Name, Company/Affiliation to Lisa Battiato TheGeoChic@aol.com or call (909) 793-2691, Kleinfelder West, say "AEG Meeting" in RSVP.

Thanks

Thanks to the 7 Professionals that attended and participated in the Chapter Meeting in Temecula, 18-June-08, as follows:

Dr. John A. Izbicki, U.S. Geological Survey (Speaker); **Mike Cook**, Kleinfelder; **Warham Stejer**, Leighton Group; **Zach Freeman**, Leighton Group; **Lisa Battiato**, Leighton Group; **Rick Rees**, AMEC Geomatrix, **Lucas Budny**, AMEC Geomatrix.

Meeting Details and Location

Advance RSVP is requested by Thursday 10-July-2008 by Close of Business:

RSVP Due by COB 10-July-08 Send Name, Company/Affiliation to Lisa Battiato TheGeoChic@aol.com or call (909) 793-2691, Kleinfelder West, say "AEG Meeting" in RSVP.

Location:

Marie Calenders Family Restaurant
1625 Industrial Park Avenue
Redlands, CA 92374
(909) 793-0988

Directions to Meeting.

From I-10 in Redlands, Exit Alabama Street to turn South. From Freeway proceed on Alabama to turn immediately TURN RIGHT on Industrial Park Avenue. Proceed about 0.1 mile and TURN RIGHT into parking lot (across from IHOP).

Future AEG Inland Empire Chapter Meetings

AUG Wednesday August 20th , 2008, Temecula

– – “Demonstration of Virtual Structural
Mapping with Terrestrial Photogrammetry”

Romo Pierre, MACTEC, Los Angeles, CA

Installment of New Chapter Officers

Installment of 2008-2009 Officers

SEP NO MEETING Due to National AEG Meeting

Meetings to begin Third Wednesday, October

New Officers in charge

OCT Wednesday October 15th, 2008, Redlands, CA

___ “ Scour of Rock – Rates and Threshold Conditions”.

Dr. Jeffrey R. Keaton, MACTEC, Los Angeles, CA

NOV Wednesday November TBA

DEC NO MEETING ?

SHORT COURSES

Continuing Education Ongoing Short Courses

An Online course

“An Introduction to Landslides or Mass Wasting”

AIPG Accredited (3.5 CEU's)

rgfont@geosciencedm.com,

slbishop@geosciencedm.com

www.geodm.com Robert Font, Ph.D.

COMMUNITY

FOR SERVICES FROM THE IITHE • CDD • FOSOR • ACHNOER

– – “International Conference on Rock Joints
and Jointed Rock Masses”

P.H.S.W. Kutatilake and Associates, Conference Chair, Professor, University of Arizona, Tucson, Arizona.
(Abstracts due 30-April-08, field trips/papers)
<http://jointedrock2009.org>

Inland Empire Chapter Officers and Section/National Contact Information

AEG Inland Empire Chapter, P. O. Box 8944, Moreno Valley, CA 92552-8944
<http://www.aegsc.org/chapters/inlandempire>

AEG Southern California Section Web-site
<http://www.aegsc.org/>

Association of Environmental and Engineering Geologists (Headquarters)
<http://www.aegweb.org>

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Lisa Battiato, Engineering Geologist
thegeochic@aol.com

Secretary
David Gaddie
Riverside County
DGadie@retlma.org

Meeting Details (see inside)
RSVP Due by COB 12-Jun-08
Send Name, Company/Affiliation to
Lisa Battiato TheGeoChic@aol.com
or call (909) 793-2691, Kleinfelder West, say "AEG Meeting" in RSVP

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The AEG Inland Empire Chapter *Newsletter* a monthly publication
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and Engineering Geologists. For more information visit websites shown in Newshead page 1

Submittals: Deadline 28th of the month. Employment notices,
job position vacancy announcements no cost. (See notice
inside this *Newsletter*)

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