



**ASSOCIATION OF ENVIRONMENTAL & ENGINEERING GEOLOGISTS  
Southern California Section**

*"Connecting Professionals, Practice, and the Public."*

***NEWSLETTER – November 2006***

***New Officers!!!***

Here are the New Officers as Chosen in the Election at the End of October:

Chair - Rosalind Munro, [rmunro@mactec.com](mailto:rmunro@mactec.com), 323-889-5366  
Vice Chair - Mark Osborne, [mark.osborne@lacity.org](mailto:mark.osborne@lacity.org), 213-847-0524  
Treasurer - Peter Thams, [pthams@wcenviro.com](mailto:pthams@wcenviro.com), 805-644-7976  
Secretary - Jon Relyea, [jon@radiusmaps.net](mailto:jon@radiusmaps.net), 800-554-3205

**Meeting Date: Tuesday, November 14<sup>th</sup>**

**Location:** Steven's Steak House, 5332 Stevens Place, Commerce, California  
**Time:** 6:00 p.m.-Social Hour; 7:00 p.m.-Dinner; 7:45 p.m.-Presentation  
**Cost:** \$30 per person with reservations, \$35 at the door, \$15 for students with a valid Student ID

**Reservations:** Please call (805) 644-7976 or email [pthams@wcenviro.com](mailto:pthams@wcenviro.com)

**Speaker:** **Morton Price, PG, City of Los Angeles, Bureau of Engineering, Geotechnical Engineering Division**

**Topic:** Mitigation Measures for Tunneling Through a Groundwater Gallery with a Hard Rock Shielded Tunnel Boring Machine, Los Angeles, California

**Abstract:**

The City of Los Angeles is updating the main waste water conveyance system which passes through the Los Angeles Narrows. The recently constructed North East Interceptor Sewer (NEIS) forms a central segment of this system. The Upper Reach of the NEIS tunnel was mined through the shale and sandstone of the Miocene Puente Formation. The geologic investigation showed the Upper Reach of the NEIS tunnel was to be mined through Miocene Puente Formation using an open face TBM. Literature research revealed that a 1906 groundwater gallery in the vicinity of the NEIS tunnel crossed the Upper Reach of the tunnel. A location of the Narrows Gallery was obtained from the 1906 plans, and 25 ft on either side of the Gallery was grouted. Continuous core borings were advanced in the vicinity of the Narrows Gallery to verify its location. These borings were grouted with low mobility grout (LMG) at the Narrows Gallery depth to create a barrier for groundwater flow into the NEIS tunnel. Two monitoring wells were installed to measure the effectiveness of the grout. The presence of the Narrows Gallery was inconclusive. Mining proceeded accompanied by probing ahead. During probing near the extent of the grouted area, the Narrows Gallery was encountered. More continuous rock core borings were advanced, and subsequently filled with LMG. Rock core indicated the geometry of the Narrows Gallery was not completely defined. Mining proceeded with flows of groundwater into the tunnel of 500 GPM. After the TBM passed through the Narrows Gallery, the rest of the NEIS tunnel was successfully mined.

**Speaker Bio:**

Morton's educational background consists of a BS in Geology (1999) from Cal Poly, Pomona. Currently, he is pursuing an MS in geology from Cal State Los Angeles. His Masters Project is a hydrogeologic evaluation of Baldwin Lake at the Los Angeles Arboretum. Morton holds a Professional Geologist license and is preparing for the Certified Engineering Geologist License exam. He has worked for the City of Los Angeles, Geotechnical Engineering Division since 2001 working on various projects involving underground construction, landslide investigation and environmental geology. Before his City experience, he spent two years at the Los Angeles Regional Water Quality Control Board investigating water quality impacts from septic systems in the Oxnard Forebay and Malibu areas.

<p style="text-align: center;"><b>Report on the October 27, 2006 meeting of the Board for Geologists and Geophysicists in Santa Ana, California</b></p>
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Charles Nestle

The board meeting began with an introduction of the three new members, Jim Ashby, Shirley Husar, and Shayan Samii, and then immediately rearranged the agenda items. Election of Officers for Fiscal-Year 2006-07 occurred first, and Bill Black was elected Board President, and Rick Blake Vice-President by unanimous vote.

Mr. Black's first action as Board President was to skip the public comment on non-agenda items, which elicited a "but...but...but" from the audience, who had planned on speaking prior to the closed session performance appraisal of the Executive Officer. Mr. Black stated that those who had filled out a comment card would be asked to come in individually during the closed session and speak, but would only be allowed 5 minutes each. Among those who spoke (with the Executive Officer present) were myself, Hugh Robertson, Eric Chase (Sacramento Section Chair), Tony Sawyer (former TAC Chair), Mary Scruggs (former BGG Enforcement Manager), and Rick Rempel (consultant). After about another hour or two the Board went back into open session. Mr. Black announced that the Board had voted to "terminate without cause" the services of the Executive Officer.

It was then announced that Cindi Christensen, Executive Officer of the Board for Professional Engineers and Land Surveyors (BPELS) would help out as Interim E.O. during the search. For those of you who've just screamed "WHAT!" do not worry. This will only last until a permanent replacement has been chosen. And it actually does make some sense; BGG staff have an excellent and cooperative working relationship with Cindi, and they're right across the hall from one another.

The Board then went into a discussion on a search for a new Executive Officer and formed a committee to establish selection criteria and review applicants. Two Board members will sit on this committee.

Items 10 and 11 on the Agenda were proposed new procedures for approving applicants under Section 7847 reciprocal licensure, and consideration of a moratorium until such time as this issue has been resolved. I was at the airport dropping off two people who had flown down from Sacramento for the public comment portion of the meeting, and missed this discussion. I'll report on that as soon as I've heard the results of that discussion.

## Chapter Meetings

### **Inland Empire:**

October Meeting: Wednesday, November 15<sup>th</sup>

**Time:** Geologist Orientation – 5:15, Dinner – 6:15, Meeting – 7:00

**Location:** Claim Jumper Restaurant, Rancho Cucamonga, California

**Speaker:** Tiana Rasmussen, Geophysicist & Project Geologist, Gary S. Rasmussen and Associates, Inc., San Bernardino, California

**Presentation Topic:** "Refraction Microtremor for Shallow Shear Velocity in Urban Basins"

Please visit the Inland Empire web page at <http://www.aegsc.org/chapters/inlandempire/> for additional meeting information and directions.

### **Central Coast:**

Monthly meetings will take place on the last Wednesday of every month at Rusty's Pizza in Goleta. Social hour begins at 6 pm, the meeting begins at 7pm.

For more information or to be added to the CA Central Coast Chapter email list, please contact Robert Urban via email at [robert\\_urban@urscorp.com](mailto:robert_urban@urscorp.com).

### **San Diego:**

October Meeting: Wednesday, November 15<sup>th</sup>

**Time:** Social Hour – 6:00PM; Talk – 6:30PM

**Location:** Butcher Shop, 5255 Kearny Villa Road, San Diego

**Speaker:** Jim Gingery, GE and Scott Rugg, CEG of Kleinfelder, Inc

**Presentation Topic:** Fault Hazard Characterization for the SR 75/282 Tunnel in Coronado

For the latest information visit <http://www.aegsc.org/chapters/extremesocal/>

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\* The deadline for submitting an advertisement for next month's newsletter is Thursday, November 30<sup>th</sup>.

**YEAR 2006 CONTRIBUTORS NEEDED**

Contributions from corporations and individual members are greatly appreciated. Contributors will be listed in our newsletter throughout the year and can post their logo or business card in the newsletter if so desired. Please mail contributions made out to **AEG** to our section treasurer, Peter Thams.

**2006 MEMBERSHIP RENEWAL**

For those of you who have not yet renewed **(the deadline was November 1)**, are unsure about your membership status, or did not receive your membership dues statement, please contact AEG Headquarters at [www.aegweb.org](http://www.aegweb.org). You can renew your membership online. Please update your membership if you wish to continue to receive future issues of the newsletter.

## EMPLOYMENT OPPORTUNITIES & ADVERTISING



Petra Geotechnical is currently seeking experienced geotechnical engineers, geologists, environmental scientists and soils technicians in our Costa Mesa, Santa Clarita, Murrieta and San Diego offices. We offer competitive salaries and excellent benefits. Please contact Linda Becker, Human Resources Manager, at 714/549-8921 or submit your resume by email to [lbecker@petra-inc.com](mailto:lbecker@petra-inc.com)

### *EUC*

**Eberhart / United Consultants**, a southern California geotechnical consulting firm serving its clients for over 25 years, has the following career opportunities:

**PROJECT GEOLOGIST:** position requires BS with 3 years experience in public/civil works, commercial and residential projects. Duties include field mapping, subsurface exploration, office analysis, proposal and report preparation, and project management.

**SENIOR ENGINEERING GEOLOGIST:** position requires CEG registration and 8 years experience in public/civil works, commercial and residential projects. Duties include managing/performing geologic investigations, field mapping, subsurface exploration, office analysis, proposal and report preparation, and project management.

We offer a competitive compensation & benefits package for qualified candidates. For immediate consideration, mail, FAX, or email your resume & salary history to:

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### **PACIFIC SOILS ENGINEERING, INC.**

Pacific Soils Engineering, Inc. is seeking all levels of engineering geologists for large land development projects in Los Angeles/Orange/San Diego/San Bernardino/Riverside/Ventura Counties. Knowledge of current grading standards and geologic engineering principles, good verbal communication and writing skills, and leadership skills are helpful. Registration not required. Salary and compensation package commensurate with experience and skills. Please fax resume to (714) 220-9589, or email: [info@pacificsoils.com](mailto:info@pacificsoils.com), Attention: Manager of Geotechnical Services.



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2045 Royal Avenue, Ste. 125  
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Email: [kesmond@lqcgeo.com](mailto:kesmond@lqcgeo.com)

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LGC is looking for dynamic individuals to join our team and work on some of Orange, Los Angeles, Ventura, San Bernardino, Santa Barbara and Kern Counties' most interesting and technically challenging projects. If you are an experienced geotechnical professional, or just starting your career, please do not hesitate to contact us. All inquiries will be considered in the utmost confidence. We look forward to hearing from you.

**Applied Earth Sciences** is a leading geotechnical, environmental and geologic engineering firm in southern California, with a perennially large volume of projects. We are seeking qualified professionals to join our dynamic team of engineers and scientists for our Los Angeles and Fresno offices.

**CERTIFIED ENGINEERING GEOLOGIST:** Position requires CEG registration and 7-10 years professional experience in residential, commercial, and public works projects. Strong candidate will have demonstrable track record in hillside geology, slope failures/landslides, private disposal system design, environmental, and fault studies. Excellent report writing skills necessary. Supervision of project geologists.

**PROJECT GEOLOGIST:** BS & 2-5 years experience in commercial/industrial, public/civil works, and residential projects required. Tasks include research, field exploration, analysis & calculations, proposals and client interface, generating reports. Multifaceted work alongside principals. Work towards RG & CEG certification recommended.

**GEOTECHNICAL ENGINEER:** Position requires Civil Registration and work towards GE Reg. Candidate will have BS/MS and 5-7 years experience in foundation design, slope stability, shoring design, calculations, report writing, and project management.

**ENVIRONMENTAL ENGINEER:** Candidate will have BS and 3-5 years experience in site assessments, contamination investigation, and remediation consulting. Strong candidate will have exceptional teamwork and project management skills and report writing ability. CAD ability recommended.

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**Staff Level Geologist:** Geosoils Consultants, Inc. is looking for a staff level engineering geologist for work on a variety of engineering projects in Los Angeles/Ventura Counties. Geosoils Consultants, Inc., is located in Van Nuys, California. Contact George Larson, Rudy Ruberti or Dave Sherman for further information. 818-785-2158.



### PRESS RELEASE

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## Career Opportunity for Engineering Geologists

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