



SAN DIEGO ASSOCIATION OF GEOLOGISTS

www.sandiegoeologists.org

SDAG MEETING ANNOUNCEMENT

WEDNESDAY, AUGUST 20, 2003

Guatay Groundwater Investigation

presented by

BARRY S. PULVER, SAN DIEGO RWQCB

AND

CHUCK E. HAUSER, PETRA GEOTECHNICAL

Where:

Eva's Cocina & Cantina
6690 Mission Gorge Road
San Diego, CA
(619) 284-5874

When:

6:00 pm – Social Hour
7:00 pm – Dinner
8:00 pm – Program

Directions:

Go west on Friars Road, east of I-15 to Mission Gorge Road. Located 1/2 block East of Zion Ave. on the North side of Mission Gorge Road. Overlooking Admiral Baker Golf Course.

Dinner:

A Mexican Buffet to include Cheese Enchiladas, Beef Fajitas, Cesar salad, Sautéed Vegetables, Corn and Flour Tortillas, Mexican Style Rice, Refried Beans, Salsa Fresca, Guacamole and Sour Cream. Includes Soft Beverages, Coffee or Tea.

Cost:

\$20 per person, students \$10 with ID

Reservations:

Make your reservation online through the SDAG website at www.sandiegoeologists.org or call the SDAG Reservation Line at: (619) 521-0165, ext. 190, **no later than 5PM Monday, August 18th**. Contact Margaret Eggers at (619) 521-0165, ext. 132 with any questions.

Speakers:

Barry S. Pulver, R.G., C.E.G., C.H.G., R.E.A. II

Barry has almost 25 years of experience in conducting geotechnical, environmental, and hydrogeological investigations. For the past 13 years he has worked for various firms conducting environmental investigations and soil and groundwater cleanups in the San Diego region at gas stations, schools, aerospace facilities, and dry cleaners. He currently works at the California Regional Water Quality Control Board, San Diego region where he conducts regulatory oversight for groundwater cleanup activities throughout the San Diego Region. He received a B.S. in Geology from Sonoma State University.

Chuck E. Houser, M.S., R.G., C.E.G.

In addition to having one of the best collections of San Diego gem minerals, Chuck has almost 15 years of experience in conducting geotechnical, environmental, and hydrogeological investigations. For the past 11 years he has worked for various firms conducting environmental investigations and soil and groundwater cleanups in the San Diego region at gas stations, schools, aerospace facilities, and dry cleaners. He currently works as a Senior Project Manager for Petra Geotechnical. He received a B.S. and M.S. in Geology from San Diego State University.

ABSTRACT

Guatay is a groundwater dependant community located approximately 50 miles east of San Diego. A retail gas station was in operation at the site from the mid 1930's to 1992. Leaks from the underground storage tank (UST) system resulted in soil and groundwater contamination, including free product. A soil and groundwater investigation and cleanup was conducted under the oversight of the San Diego County Department of Environmental Health. The investigation was complicated due to the fractured rock site geology and that groundwater at the site and site vicinity is used as a source of domestic water supply. A site conceptual model (SCM) was developed, and continually updated, to guide the investigation, and to conduct the investigation that would "do no harm".

The initial SCM indicated that groundwater was at a depth of approximately 180 feet below grade. However, the SCM was updated to show to water-bearing zones; a shallow zone at a depth of approximately 30 feet below grade which is not used for water supply due to degradation from septic systems, and a deep zone one at approximately 150 feet which is the source of water for the community. Based on the installation and monitoring of shallow and one deep groundwater monitoring well, and an in-depth understanding of the site geology, the SCM was finally updated to show that the shallow zone is not in hydraulic connection with the deeper zone.

A series of soil and groundwater cleanup methods have and will be used at this site. These methods have included soil excavation and on-site and off-site treatment, passive free product removal, and in-site bioremediation using oxygen release compounds.

2003 EXECUTIVE COMMITTEE

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VICE PRESIDENT - Monte Murbach; *Petra Geotechnical*; Ph: (858)-485-5530; fax -----; mmurbach@petra-inc.com

SECRETARY - Margaret Eggers; *Hargis + Associates, Inc.*; Ph: (619)-521-0165; fax: (619) 521-8580; meggers@hargis.com

TREASURER - Phil Farquharson, Ph. 619) 224-8463; fax (619) 255-8380; geoguy@cq-squared.com

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WEBMASTER - Carolyn Glockhoff; Ph: (858) 549-3396; carolion@znet.com

ANNOUNCEMENTS:

Upcoming 2003 Meetings - UPDATED SCHEDULE !!!

September 17	"Ridge-trench Interactions and the Ongoing Capture of the Baja California Microplate", by John Fletcher, Departamento de Geologia, CICESE, Ensanada, Baja California. Tentative location: Chula Vista Nature Center
October 25-26	SDAG Annual Field Trip: "The Elsinore fault and gem bearing pegmatites between Palomar Mountain and the Coyote Mountains, San Diego County, California" The Elsinore fault and gem bearing pegmatites between Palomar Mountain and the Coyote Mountains, San Diego County, California
November	TBD
December 17 th	Holiday Meeting, San Diego Natural History Museum

SDAG's 2003 Field Trip, August Update:

Plans for the San Diego Association of Geologists 2003 Field Trip are being finalized. The annual field trip will be held October 25th and 26th. The theme of the trip is **"The Elsinore fault and gem bearing pegmatites between Palomar Mountain and the Coyote Mountains, San Diego County, California"**. We will be meeting at Warner Springs Airport first thing Saturday morning. We will consolidate cars and head up to the Cryo-Genie Mine. There we will check in and have a light breakfast - possibly Pie and Pegmatites! Next stop: an overview of Henshaw Dam. Then it is off to look at a great exposure of the Elsinore fault. Lunch will be catered a short distance away at Menghini Winery. We can argue about faults and tourmalines with a cup of vino, or your beverage of choice. After lunch we will head down Banner Grade, head off road and hopefully take a look at the Ranchita Mine site. Then one more look at the Elsinore Fault followed by a nights camp at Agua Caliente county park. There you can soak your weary parts in some hot water. Sunday details, next month.

The trip and guidebook will be a joint effort of the San Diego Association of Geologists and the South Coast Geological Society. (There will be two field trips.) For more information, please contact Monte Murbach (mmurbach@petra-inc.com)

POSITIONS AVAILABLE:

- **Project Geologist/Engineer: Onsite Environmental** is looking to interview a candidate for a position as a project engineer/project geologist for the Orange County area. This position is with one of the leading engineering firms in the world with over a 100 offices in 35 countries.

We are looking for a local candidate to assume the role of Project Engineer or Project Geologist for our Orange County Office. This person needs to have good field experience working with drilling, groundwater monitoring, sampling, and remediation systems; in particular pump and treat systems designed for hydrocarbons, BTEX and oxygenates. This candidate also must be well versed in health and safety issues. The candidate should have experience working at a refinery to be considered.

The candidate must possess great interpersonal skills and good experience dealing with clients on a face-to-face, one on one basis. Communication style should be straight forward, clear and effective. The candidate must also retain the ability to be flexible and respond quickly to client requests.

Salary for this position is going to be decided solely on the candidates experience and work history. For consideration contact Kurt Yaeger or e-mail your resume to his e-mail address kyaeger@onsitecompanies.com, 714-347-1220 (0803)

- **ENV America Incorporated**, an environmental engineering, consulting and construction firm, is seeking geologists and engineers for its offices in Irvine and San Diego:
 - Entry level geologists and civil engineers
 - Staff- and project-level geologists and civil engineers with experience in remediation design and construction.

The ideal candidate will be a client-focused team player, and possess outstanding analytical abilities, proficiency with software and computers, a Bachelors or Masters Degree in a relevant field, excellent writing skills, and a strong ability to concisely and clearly communicate technical information to technical and non-technical audiences. Send your letter of interest and resume to Tom Mulder, ENV America Incorporated, 2247 San Diego Avenue, Suite 135, San Diego, CA 92110, or e-mail tmulder@envamerica.com. (5/03)

- **Kleinfelder** has an outstanding career opportunity for a qualified project geotechnical engineer in our San Diego Office. This position is ideal for the right motivated individual interested in excelling professionally. Teamplayers and client-focused individuals who are comfortable and capable of practicing advanced geotechnical engineering techniques will be considered. The primary responsibilities will be to coordinate, analyze, and compile reports for geotechnical projects including shallow and deep foundations, slope stabilization, soil mechanics, and construction observation. Ideal candidates for the project engineer position will possess 4 to 8 years of progressive geotechnical engineering experience, an M.S. degree in civil (geotechnical emphasis) engineering, a P.E. or the ability to register in California within one year, and exceptional verbal and written communication skills. Ideal project level candidates will also be results - oriented, creative in applying technology for highly diverse designs and projects, and have some experience in proposal preparation and client management. For additional information please contact: Bob Stroh, RG, CEG, Project Engineering Geologist, Kleinfelder, Inc., 5015 Shoreham Place San Diego, California 92122 858.320.2270 direct.

DO YOU HAVE AN ANNOUNCEMENT?? Do you have an event, job opening, field trip or other announcement you would like to share with our members?? Just call or email our SDAG Secretary, Margaret Eggers at 619-521-0165 OR meggers@hargis.com.

SDAG NEWSLETTER IS DIGITAL! If we don't have your e-mail address, or your email address changes, or if you have problems with the electronic format please contact Margaret Eggers at meggers@hargis.com, or call at 619-521-0165, ext. 132.

SDAG Wear: - Monte has a variety of shirts, hats, visors and even a nice vest with the SDAG logo. A small selection is available for purchase at the meetings; all SDAG wear can be ordered from Monte.

2003 CORPORATE SPONSORS - THANK YOU!!

A significant portion of the SDAG operating and scholarship budget is provided by corporate sponsorship. Please consider becoming a Corporate Sponsor for 2003! In addition to monthly recognition for your contribution, you will be entitled to a free internet "link" from the SDAG Website, and all Corporate Sponsors are listed in the front of the annual SDAG Field Trip Volume.

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**San Diego Association of Geologists
c/o Margaret R. Eggers, PhD, CHG
Hargis + Associates, Inc.
2365 Northside Drive
Suite C-100
San Diego, CA 92108**