

CGS Monthly Meeting

(NEW LOCATION)

Tuesday October 16, 2007, beginning at 6:00 PM

Biedermann Hall at Sacred Heart Church - 10800 Henderson Road, Ventura, CA 93004

(Location is off Hwy 126 at Wells Road/Route 118 Exit – See Map at End of Announcement)

Program:

RCRA Clean Up of Impacted Soil and Groundwater at the Talley Aircraft Manufacturing Facility Newbury Park, California”

presented by:

Sally W. Bilodeau

Abstract: The Talley Plant was marked by a globe with a rocket circling it and was a well known landmark along the 101 freeway from the 1960s through the 1980s. The 13 acre site was used to manufacture military and civilian aircraft components from the 1950s to 1989. Its seven buildings supported metal casting, degreasing, pickling, plating, and other manufacturing processes. The facility disposed of wastewater in a leach field and a shallow surface impoundment. Soil and groundwater beneath the site were impacted with metals and volatile organic compounds (VOCs), primarily chromium and trichloroethylene (TCE). The facility was closed in 1989.

The site is regulated under the Resource Conservation and Recovery Act (RCRA) under the California Department of Toxic Substances Control (DTSC). The site has gone through the RCRA Facility Investigation (RFI), Corrective Measures Study (CMS) and Corrective Measures Implementation (CMI). Assessment was accomplished by deterministic sampling and grid sampling. The soil was remediated by excavation and vapor extraction. Site soils were cleaned up to industrial risk based standards based on a site specific risk assessment and DTSC approval of target clean up goals.

MEETING INFO: 3RD TUESDAY OF EVERY MONTH (DARK IN JULY & AUGUST)

BIEDERMANN HALL AT SACRED HEART CHURCH

10800 Henderson Road, Ventura, CA 93004 - Location is off Hwy 126 at Wells Road/Route 118 Exit

(See the MAP at the end of this Newsletter for directions.)

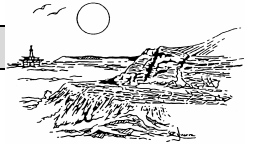
Reservation Deadline: 4:00 PM on THURSDAY before the meeting.

E-mail Reservations to: Christine White at cwhite@dcorllc.com or visit the CGS website

*****Please specify your dinner choice: Tri-Tip, BBQ Chicken or Vegetarian Lasagna,**

Social Happy Hour - 6:00 p.m., Dinner - 7:00 p.m., Speaker – 8:00 p.m.

\$18 – With Reservation, \$20 - Without Reservation, \$ 10 - For Students and K-12 Teachers



First groundwater is encountered from 10 to 45 feet below ground surface (bgs) and occurs in confined and unconfined conditions. Impacted groundwater is present in alluvium and fractured volcanic bedrock to approximately 230 feet bgs. One to two million gallons of groundwater per month has been extracted and treated since 1991. The chromium plume has been reduced to 7 percent of its original size. The TCE plume is approximately the same size; however TCE concentrations within the plume have decreased. The solubility and mobility of the chromium has facilitated its removal from this complex, subsurface aquifer. The physical properties and recalcitrant nature of TCE have prevented its efficient removal from the same aquifer. Redevelopment of the site into business offices has started and a deed restricting use of the property to commercial or industrial uses is in place.

Biography: Sally Bilodeau is a California Professional Geologist (PG), Certified Engineering Geologist (CEG) and Certified Hydrogeologist (CHG). She has 30 years of experience in the environmental field and specializes in RCRA permitting, assessment, and corrective action. She received her BA in Earth Science from California State College Fullerton and obtained her MS in Applied Earth Science from Stanford University.

She originally worked as an engineering geologist assessing geologic hazards associated with land development and later became involved in cleaning up hazardous waste sites. She has publications ranging from fault studies in Guatemala to Groundwater Monitoring at US Landfills. For the Cities of the World Series that the Association of Engineering Geologist started in 1980, she has co-authored three papers, Geology of Denver, Geology of Boulder, and most recently Geology of Los Angeles.

She specializes in assessing and cleaning up soil and groundwater impacted with solvents, metals and perchlorate. Most of the projects she has worked on are in the western U.S. predominantly in California and Nevada. She is knowledgeable about the RCRA and CERCLA (Superfund) regulations and is experienced in helping clients meet the requirements of the regulations while still making progress toward clean up and or redevelopment.

She has worked on the Talley site in Newbury Park since 1991 and has saved the client over \$4 million in costs through effective negotiation regarding the application and implementation of the RCRA regulatory requirements.

RESERVATIONS are due the **Thursday before the meeting by 4:00 pm**. Reserve on the website or email to cwhite@dcorllc.com. Please include name and menu choice (Tri Tip, Chicken, or Vegetarian Lasagna) for each person attending. We have a new caterer preparing our meal and it is important to get your reservations in on time. If you don't make a reservation, it's possible there will not be a meal available for you the day of the meeting.

MARK YOUR CALENDAR:

- **Upcoming CGS meetings:**

November 20, 2007: TBA

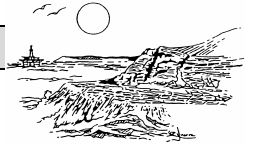
UPCOMING EVENTS:

- **John Woolley Golf Tournament** Friday October 19 at Elkins Ranch Golf Course

Hurry!! – Only 30 player slots left. Get your sign-up form filled out ASAP. See attached flyer or CGS website for details.

- **Geology and Mining History Field Trips** sponsored by BLM and Buena Vista Museum of Natural History:
Geology and Personalities of the Northern Mother Lode and the Eastern Copper Belt – Grass Valley to Taylorsville October 12-14, 2007 / Info: gwilkers@blm.gov or www.blm.gov/ca/bakerfield/geologytrips/html

ANNOUNCEMENTS:



BOB GRAY RECEIVES NATIONAL HONOR! Congratulations to Bob Gray of Santa Barbara City College, who has received the National AAPG Grover E. Murray Distinguished Educator Award. CGS is proud to have two members so honored: Gene Fritsche last year, and now Bob.

NOTE: If you're a college instructor with publishers' sample textbooks and lab books stacking up in your office, here's a wonderful solution for recycling them. **Debbie Bereki**, who is the Museum Educator at the California Oil Museum, is doing outreach work with teachers. She has found that giving sample college textbooks to K-12 teachers can make an immediate positive impact on the quality their teaching. She has started a program called '**Textbooks For Teachers**' and asks for your help. Please bring your basic sample textbooks (published since 2000) and lab books to the CGS meeting and Debbie will make sure they get to K-12 teachers. For info, contact her at dbereki@ci.santa-paula.ca.us

CGS MEMBERSHIP: CGS membership is through Pacific Section AAPG. Be sure to select **Coast Geological Society** as your local affiliated society. To join CGS, please go to: www.psaapg.org/member.html

CGS OFFICERS DIRECTORY:

President: **Bob Ballog**, Hueneme High School 805.498.6294/805-402-1173, president@coastgeologicalsociety.org
PastPres: **JohnMinch**, Santa Barbara Museum of Natural History. 805.682.4711 x137, ppresident@coastgeologicalsociety.org
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Webmaster: **Geoff Faneros**, Fugro West, Inc. 805.320.3973, webmaster@coastgeologicalsociety.org

NOTICES

1. *No-Cost* Employment Announcements (Help Wanted & Job Wanted) are available on our website! Also, business card ads and employment ads available in the newsletter! Contact secretary@coastgeologicalsociety.org
2. Do you have current announcements or are you looking for general information on the local geological community? Check out CGS' new Electronic Bulletin Board on the website. Submit your announcements and contact information to the secretary@coastgeologicalsociety.org
3. If you forward the email notice to another party, cc: secretary@coastgeologicalsociety.org in the email, we will put your party on the monthly notification list. There is no cost to receive CGS email notifications.
4. Buy your raffle tickets! Money generated goes toward scholarships, field trips, etc., to promote the advancement of Geosciences. Check the CGS supported activities on our website (3 Tickets for \$1).
5. Always needed: **Sponsors for our meetings!** Sponsors get a beautiful colored banner hung at the meeting, and the opportunity to distribute their literature and introduce their businesses, as well as the satisfaction of having supported a great organization! Sponsorships are \$300 per meeting and may be shared between two individual sources. Contact vicepresident@coastgeologicalsociety.org for info.

MEETING PLACE : MAP AND DRIVING DIRECTIONS

Meetings are held at the Sacred Heart Church, Biedermann Hall, 10800 Henderson Road, Ventura, CA 93004.

The location is off Hwy 126 at the Wells Road/Route 118 Exit. Click on the map below for a more detailed view and directions

