



Association of Environmental and Engineering Geologists  
**California Central Coast Chapter**, Southern California Section

[www.aegsc.org/chapters/centralcoast](http://www.aegsc.org/chapters/centralcoast)

Robert J. Urban, President  
William "Bill" Tracy, Vice President

Vacant, Treasurer  
Vacant, Secretary

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SEPTEMBER 2006 MEETING NOTICE

## **TOTAL PETROLEUM HYDROCARBONS ANALYTICAL METHODS AND HOW THEY WORK**

by  
**Julius Carstens**  
**Oilfield Environmental Compliance**

Wednesday, September 27, 2006

**Rusty's Pizza, Goleta**

*(RSVP/Directions below)*

6:00 pm- 7:00 pm Social Hour  
7:00 pm – 8:00 pm Chapter Meeting

The September meeting is sponsored by:



**OILFIELD ENVIRONMENTAL AND COMPLIANCE**

Environmental, Laboratory and Geoprobe Services

**Speaker:**

Julius Carstens

**Speakers' Brief Biography:**

Mr. Carstens is the Laboratory Director for Oilfield Environmental & Compliance (OEC), having held that position for the past 10 years. Inclusive of his tenure with OEC, Mr. Carstens has more than 15 years

analytical expertise in the environmental services industry with a major portion focused on petroleum testing in both the field and the laboratory. The laboratory continues to develop and modify test methods predicated by client requirements as a response to local regulatory protocols, particularly those pertaining to Total Petroleum Hydrocarbons (TPH) reporting.

During this time OEC has grown from its initial staff of two employees to a current staff of more than twenty-five people, many of whom hold specialized college degrees. Mr. Carstens' credentials include a B.A. in Soil Science and a B.A. in Biochemistry; he also possesses a C-57 contractor license.

## **Abstract**

### **Total Petroleum Hydrocarbons – Analytical Methods and How They Work**

**Julius Carstens**

Mr. Carstens will discuss the analytical method differences between gas range organics (GRO), diesel range organics (DRO), and DRO Plus (hydrocarbons past C28). This discussion would identify the different methods of testing according to Environmental Protection Agency Test Methods 8015B, 8015M, and the Leaking Underground Fuel Tank (LUFT) method. The presentation will include a discussion of how the laboratory analytical values are generated by use of the laboratory equipment and how laboratory procedures can influence reported values. Core issues surrounding analytical testing of total petroleum hydrocarbon (TPH) shall be presented. Discussion and questions regarding TPH testing will be welcome during the presentation.

## **Chapter President Message**

*Greetings CA Central Coast Chapter:*

*I hope all of you enjoyed your summer and will enjoy the upcoming fall and holiday seasons.*

*The September meeting is the Chapter's annual election/volunteering for officer positions. I encourage anyone with an interest in volunteering their time to AEG to become a Chapter officer. Serving as an AEG Officer is a great way to meet other involved professionals and 'give back' to this great profession. If you are interested, just show up to the meeting and announce your interest in serving for any of the positions: President, Vice President, Treasurer, or Secretary.*

*Please note the announcement from the Coast Geological Society regarding the upcoming 8<sup>th</sup> Annual John J. Wooley Memorial Golf Tournament. Further information is located in the Announcements section of the newsletter and a PDF flier is attached.*

*If you have not visited the new Association of Environmental & Engineering Geologists (AEG) website, check it out at: <http://aegweb.org/i4a/pages/index.cfm?pageid=1>*

*I look forward to seeing you at the upcoming meeting.*

*Best of regards,  
Robert J. Urban  
Chapter President  
AEG CA Central Coast Chapter*

## **Announcements**

**Please email announcements to [lavapoet@verizon.net](mailto:lavapoet@verizon.net), thank you.**

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## **TOUR THE SEEPS**

**Join Venoco Inc. for a tour of the  
Santa Barbara Channel**



Learn more about the natural oil and gas seeps near Coal Oil Point. Venoco would like to give you a chance to view the "World's Most Spectacular Seeps." At Coal Oil Point it is estimated that 6,000 gallons of oil seeps into the ocean each day [up to 2.3 million gallons per year] as well as the 5,000,000 cubic feet of natural gas per day [up to 1.8 billion per year]. On going tours are available. To learn more about these seeps and schedule a tour, please call Karen Robertson-Fall at 805-745-2100 or go to the [Venoco](#) Internet site.

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**CITY OF SANTA BARBARA**  
**MASTER ENVIRONMENTAL**  
**ASSESSMENT**  
*UPDATE*

The City of Santa Barbara (City) announces that the City is currently in the process of updating the Master Environmental Assessment (MEA) maps. As part of the MEA update, new geology and geologic hazard maps for the City and its sphere of influence are currently being produced. The new MEA geology and geologic hazard maps are anticipated to be completed by the end of the 2006 year.

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**8<sup>th</sup> Annual John J. Woolley  
Memorial Golf Tournament**

The Coast Geological Society (Ventura) is hosting the 8<sup>th</sup> Annual John J. Woolley Memorial Golf Tournament that will be held on Friday, October 13, 2006. Don't be scared to show off your golf skills because the event will take place on Friday the 13<sup>th</sup>. For further information, please check out the Coast Geological Society's website for the tournament at:

<http://www.coastgeologicalsociety.org/golf.htm>

At the website, you will find links for Signup and Sponsorship. Further inquiries or signups can be emailed to [golf@coastgeologicalsociety.org](mailto:golf@coastgeologicalsociety.org)

A flyer announcement is attached at the end of this newsletter.

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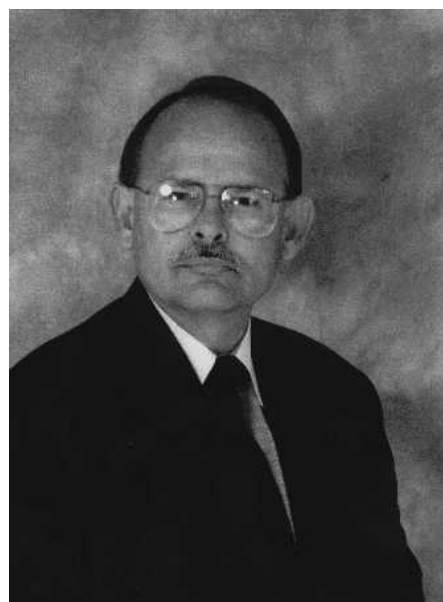
**Please note that next April will  
be our 2<sup>nd</sup> Annual Student Night.**

Student night involves two aspects of recognizing and supporting the future of our profession: (1) awarding a deserving student the Chapter's Dr. John W. Williams Scholarship and (2) listening to students present their research projects in the form of short (15 to 20 minute) presentations.

Applications for the Chapter scholarship will

be posted on the Chapter website and distributed to regional universities and colleges in the near future. Last year, the scholarship was awarded in the amount of 500 dollars and may be increased this year. For further information or an application or to express your interest in delivering a presentation to the Chapter, contact the Chapter President.

**AEG CA Central Coast Chapter**  
**Dr. John W. Williams**  
**Scholarship**



Dr. John W. Williams is an active AEG member of the San Francisco Section, professor of engineering geology and Department Chair at San Jose State University (1976 – present), and former AEG National President (1988), secretary, and Vice President. Dr. Williams has served as the Association of State Boards of Geology (ASBOG) President and a founding Officer and President of the Engineering Geology Foundation (1996). In addition to acting as President for a number of additional organizations, Dr. Williams has served as Chair on: the Examination Committee for the California Board of Registration for Geologists and Geophysicists (1978-2000), the Ethics Committee for the ASBOG (2002 – present), and the Examination Committee for ASBOG (2002 – present). Dr. Williams acts as the advisor to the San Francisco Section Student Chapter and has throughout his career encouraged student membership and participation in AEG.

Dr. Williams has received numerous awards over the years of service to AEG and our profession. He has received the Floyd T. Johnston Service Award (1998) from AEG and the Meritorious Service Award (1992) from the Engineering Geology Division of the Geological Society of America.

Dr. Williams earned doctorate (1970) and masters of science (1968) degrees in geology from Stanford University and a bachelors of science (1967) degree in geology from the College of William and Mary, VA. Dr. Williams is a licensed Professional Geologist, Certified Hydrogeologist, and a Certified Engineering Geologist. He began his career working for the California Division of Mines and Geology (now the California Geological Survey) from 1971 through 1976 then became a professor at San Jose State University in 1976 and has continued teaching through the present. Many consulting geologists have received mentorship from Dr. Williams and even a greater number of geologists are aware of Dr. Williams bringing attention to the importance of ethics and ethics training to geo-professionals.

The CA Central Coast Chapter recognizes the important contributions of Dr. Williams to AEG and our profession. We hope that our scholarship brings awareness of Dr. Williams' contributions to future professional geologists.

To make a donation to the Dr. John W. Williams Scholarship fund, please contact Robert Urban at [robert\\_urban@urscorp.com](mailto:robert_urban@urscorp.com). All scholarship donors will be recognized on our Chapter's website.

### **Last Month's Meeting**

Mr. James Steele, PG, CEG, CHG, delivered an interesting presentation regarding the investigation and remedial efforts associated with a former methamphetamine "laboratory" site that was located in the Central Coast. After a revealing description of the chemistry and health effects of methamphetamine, Mr. Steele illustrated the enhanced bioremediation of Freon 11/Freon 113 in groundwater by using hydrogen release compound. This was a great presentation that spanned beyond the usual geo-

technical presentation and informed the audience of chemical constituents one may encounter when investigating a former illicit drug lab.

### **Upcoming Meetings**

Interested in speaking to the Chapter?  
Inquire with the Chapter President.

Upcoming meetings include:  
Dr. Jonathan F. Clark (UC Santa Barbara) – Hydrogeology

### **Chapter Sponsors**

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URS Corporation  
130 Robin Hill Road, Suite 100  
Santa Barbara, CA 93117  
805.964.6010

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**MICHAEL F. HOOVER**  
Consulting Geologist • Hydrologist

Michael Hoover  
Consulting Geologist – Hydrologist  
Santa Barbara, CA  
805.569.9670

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**STL**

### **STL Los Angeles**

1721 South Grand Avenue  
Santa Ana, CA 92705  
Phone: 714-258-8610  
Fax: 714-258-0921  
ATTN: Wendy Pierce

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OEC has twice sponsored a Chapter meeting, thank you OEC!



**OILFIELD ENVIRONMENTAL AND COMPLIANCE**

Environmental, Laboratory and Geoprobe Services

307 ROEMER WAY, SUITE 300

SANTA MARIA, CA 93454

(805)922-4772

info@oecusa.com

oecusa.com

SATELLITE OFFICE: HWY 33, MCKITTRICK, CA

(661)762-914



**TETRA TECH, INC.**

4213 State Street, Suite 100

Santa Barbara, CA 93110

Phone: 805.681.3100

FAX: 805.681.3108

The Association of Environmental & Engineering Geologists CA Central Coast Chapter is currently seeking monthly meeting sponsorship. Benefits of becoming a monthly meeting sponsor include: 1) sponsor's name or logo placed on our Chapter website indicating the month of sponsorship, 2) listing as a Corporate Sponsor in our monthly newsletter, and 3) recognition at the monthly meeting. Our Chapter is asking for a donation of \$150 for becoming a monthly meeting sponsor . . . a small price for the recognition that you contribute to the professional society that best embodies our professional practice.

## Directions to Meeting

### Monthly Meetings

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).

### Location:

Rusty's Pizza, 270 Storke Road, Goleta (Santa Barbara)

### Directions:

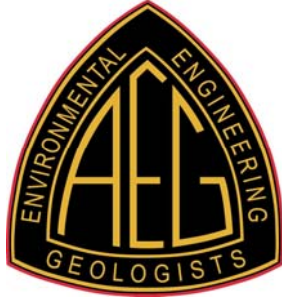
1. Driving Northbound or Southbound on Highway 101;
2. Exit on Storke Road;
3. Turn Left (if you were traveling northbound), Right (if you were traveling southbound);
4. Turn Left at the first stoplight past Hollister Road;
5. Rusty's is on the left.

### Donation/Cost:

AEG members = \$15; non-AEG members = \$20; Students = \$5

Please: If you plan on attending the meeting, please email [lavapoet@verizon.net](mailto:lavapoet@verizon.net) a confirmation of your attendance by the Tuesday preceding the meeting date. This greatly helps in ordering the food for attendees. However, if you forget to email, please still do attend the meeting. Thank you.





## **JOB POSTINGS**

If you would like to place a job announcement, please email the listing to [lavapoet@verizon.net](mailto:lavapoet@verizon.net), thank you!



**Lawson & Associates  
Geotechnical Consulting, Inc.  
Lawson & Associates Geotechnical  
Consulting, Inc.**  
2045 Royal Avenue, Ste. 125  
Simi Valley, CA 93065  
Tele: (805) 579-3434 Fax: (805) 579-3435  
Email: [kesmond@lgcgeo.com](mailto:kesmond@lgcgeo.com)  
Website: [www.lgcgeo.com](http://www.lgcgeo.com)

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.

### **Lawson and Associates looking for Project Engineer**

Work under the supervision of registered geotechnical engineer to perform field geotechnical investigations, analysis and design of shallow & deep foundation, seismic hazard assessments, liquefaction analysis, and static and pseudo-static slope stability analysis; prepare geotechnical reports; participate in inspecting existing engineering projects and formulating recommendation on project design improvements; present the engineering aspect of the project to clients

and interact with clients on the technical parts of the projects.

**Requirement: MS degree in Civil Engineering with specialization in Geotechnical Engineering.**

**Send resumes to 2045 Royal Avenue, Suite 125, Simi Valley, CA 93065**

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URS Corporation is seeking top professional geologists and graduating students for career positions at our Santa Barbara and Santa Maria offices. For further information, please contact Mr. David Bernal, PG by email at:

[David.Bernal@urscorp.com](mailto:David.Bernal@urscorp.com)

URS Corporation  
130 Robin Hill Road, Suite 100  
Santa Barbara, CA 93117  
805.964.6010

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#### **COUNTY OF SANTA BARBARA**

The Santa Barbara County Planning and Development Department is currently seeking a full-time engineering geologist to supervise and perform engineering geology work and to review plans for conformance with county ordinances dealing with soil and earth stability.

Registration as a professional engineering geologist in the State of California and a valid California Class C driver's license are required.

The salary range is \$69,139-\$84,406 approximately per year. The County also offers a generous benefits package that includes a \$4946/year benefit allowance.

With a mild climate and spectacular setting that includes scenic coastline, beautiful valleys, and rugged mountain peaks, Santa Barbara County is one of the most desirable places in the world to live and work.

To learn more about the position and to apply on line, visit [www.sbcountyjobs.com](http://www.sbcountyjobs.com), or call (805) 568-2800. This position is open until filled.

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**AEG CA Central Coast Chapter**  
**Contact Information**

**Chapter President**

Robert J. Urban, PG, CEG  
URS Corporation  
130 Robin Hill Lane, Suite 100  
Santa Barbara, CA 93117  
Phone: 805.964.6010  
[robert\\_urban@urscorp.com](mailto:robert_urban@urscorp.com)

**Chapter Vice President**

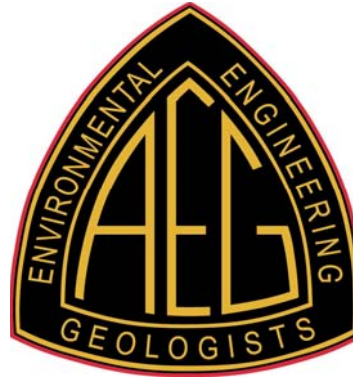
Bill Tracy, PG, CEG, CHG, GP  
County of Santa Barbara  
4415 Cathedral Oaks Blvd.  
Santa Barbara, CA

**Chapter Treasurer**

VACANT

**Chapter Secretary**

VACANT



**Chapter Student Liaison**

Garret Bean, Graduate Student  
Department of Geological Sciences  
University of California at Santa Barbara  
[gbean@umail.ucsb.edu](mailto:gbean@umail.ucsb.edu)

YOU ARE CORDIALLY INVITED TO ATTEND THE  
*8<sup>TH</sup> ANNUAL*  
JOHN WOOLLEY MEMORIAL  
GOLF TOURNAMENT & BBQ

PROVIDING SCHOLARSHIPS & TEACHER AWARDS  
THROUGH  
COAST GEOLOGICAL SOCIETY  
(an affiliate of Pacific Section AAPG)



Elkins Ranch Golf Course  
1386 Chambersburg Road  
Fillmore, CA 93015  
(805) 524-1440

**Friday, October 13, 2006**

**9:30 CHECK-IN, 11:30 SHOTGUN START, TEXAS SCRAMBLE**

- Golf – \$100/person (Box Lunch, 2 Drink Tickets, & BBQ Dinner included) or be a sponsor (4 different sponsorship levels available)
- Mulligans and raffle tickets available for purchase—BIG PRIZES!
- Family BBQ Dinner – \$20/ adult – \$13/ kids (17 years and under)
- Dress code enforced (soft spikes, no denim, no T-shirts)
- Raffle & Awards to follow tournament at the BBQ



Entry forms available now. Limited to the first 144 players! If you have questions, please contact:

Mike Phipps, Tournament Chairman  
at (805) 732-4570 or  
email: [golf@coastgeologicalsociety.org](mailto:golf@coastgeologicalsociety.org)

**Downloadable entry form available at:**  
[www.coastgeologicalsociety.org](http://www.coastgeologicalsociety.org)