

October Section Meeting – Rocky Flats: History, Clean-up, and Closure

Ms. Pam Edrich, former project manager for Kaiser-Hill, will discuss the history of Rocky Flats, from its beginnings in the height of the Cold War through the recent clean-up and closure activities.

Sixteen miles from downtown Denver, Rocky Flats was the site used to shape plutonium into nuclear weapons triggers, called pits. After 27 years of production, a 1989 “raid” on the plant by FBI and EPA agents highlighted environmental and health concerns at the facility. Shortly thereafter, Governor Roy Romer signed an Agreement in Principle with the Department of Energy to fund state oversight of various Rocky Flats health and environmental studies. Rocky Flats stopped weapons production in 1989, and cleanup of contamination at the site began in 1992.

On October 13, 2005, after many years of clean-up effort, closure of Rocky Flats was declared complete. Come hear the story of this cold-war site, the work required to address the environmental issues caused by decades of work with plutonium, and the legacy it holds.

A 1982 chemical engineering graduate from the Colorado School of Mines, Ms. Edrich worked at Rocky Flats for 21 years until its closure in 2005. During that time she served as a Facilities Engineer; a Lead Engineer in the Health, Safety & Environment Department, and manager of Hazardous Waste Permitting & Compliance and later Waste Characterization & Tracking.

Ms. Edrich is currently employed as a Senior Chemical Engineer in the Water Treatment Group with Golder Associates in Lakewood.

October Section Meeting

Topic: Rocky Flats: History, Clean-up, and Closure

Speaker: Ms. Pam Edrich

Date: Tuesday, October 17th

Time: 6:00-6:45 Social Time
6:45-7:45 Dinner
7:45-8:45 Presentation

Location: PPA Event Center
2105 Decatur Street, Denver

Menu: Grilled Chicken Breast with sun-dried tomatoes, artichoke hearts, capers & white wine, wild rice pilaf, grilled vegetables with balsamic glaze, dessert bars or cookies.

Cost: Members: \$20
(w/RSVP)* Non-Members: \$25
Students & Unemployed: \$10

Please RSVP by **Tuesday, October 10th** (early RSVPs are greatly appreciated!) indicating your name, phone number, and number of attendees. Please RSVP to Craig Turchi by voicemail at 303-874-8285 or email at rockyaiche@yahoo.com.

*Add \$5 for attending meeting without RSVP

Note: Payment will be requested from no-shows (unless reservation is cancelled by RSVP deadline)

NEW MEXICO CORNER

Hello from New Mexico! As the weather turns colder for fall, it can mean only one thing: Back to School! To acknowledge the hardships the students in engineering school face, I'm in the process of organizing a joint meeting with the students (mainly so that they can get a free dinner!). The meeting will be focused on "Engineering in the Real World" and if you'd like to volunteer to speak to the students about your experiences/career please let me know! Otherwise, watch your email, as details will be coming out soon.

Also, if you'd like to volunteer to speak at a future meeting or if you have any meeting/activity ideas, please let me know! Participation in the Albuquerque area has increased over the last year and I'd like to keep this trend going! With that, I'd like to extend a warm "Thank You" to all of the AIChE-NM members for making our little sub-section a great one! I'm looking forward to another great year and hope to see each and everyone one of you at a future activity!

Kerrie Greenfelder
New Mexico Liaison
GreenfelderKL@cdm.com

Colorado Fall Curriculum

By Dan LaRiviere, Jacobs Engineering Group

As your new representative to the Colorado Engineering Council (CEC), I report the activities of our section to the other constituent organizations that form the CEC and receive information on the events that are being organized by other professional groups that belong to the CEC. RM AICHE has long been a member of the CEC, however, until recently we had become delinquent in our membership.

At the last executive meeting of the RM AICHE, the question was raised as to the benefits of membership. Having only attended one executive meeting of the CEC, I myself had only a superficial knowledge of their purpose and scope. After attending a second meeting of the CEC and performing some research into the other constituent organizations, I am writing this letter to our

membership regarding the CEC, the other constituent organizations within, and the activities that are going on elsewhere in Colorado for this program year. In this manner I hope to help unite the various professional organizations in the state so that we, the engineering community, can act in concert to support the volunteer activities that are beneficial to the community at large.

1. The Colorado Engineering Council

The CEC was formed in 1919 with eight constituent organizations as the result of a controversial Engineer's License Law. The purpose of the CEC is:

"to coordinate and promote the interests of the constituent organizations represented in the Council by providing unified effort devoted to the advancement of the professional, technical, educational, and ethical interests and standards of professional organizations which are engaged in the various branches of engineering, architecture, or science."

Events that are supported by the CEC include:

- a. President's Night – Held yearly during the month of October, this event allows presidents and chairpersons of the member organizations to get together and discuss and plan the engineering and science activities for the activity year.
- b. National Engineers Week – Two local events that the CEC helps coordinate in association with E-week are the Legislative Breakfast and Recognition Dinner. The Legislative Breakfast allows constituent members to meet with policymakers and provide opinion on technical policy and/or issues that affect the engineering community. The Recognition Dinner features the Honor and Gold Medal awards ceremony in addition to the holding the ceremony of the Order of the Engineer. More about these national events can be found at <http://www.eweek.org/>. The CEC needs to receive all nominations for the Gold Medal by November 1st. An extensive résumé documenting the nominees' candidacy for the award is necessary for legitimizing their claim to the award. The nomination form is included in this newsletter on page 4.
- c. Colorado Science and Engineering Fair – The CEC is one of the sponsors for this yearly event that showcases the talents of

the next generation of scientists and engineers. More information on the fair can be found at <http://www.csef.colostate.edu>.

- d. **Student Awards** – Each year Colorado Universities can nominate their top candidates for either a Silver Medal or Certificate of Merit, dependent upon the number of ABET-accredited degree programs the university has. The CEC sends a group of interviewers to determine which candidates will receive awards.

2. Constituent Members

The number of constituent organizations has varied over the years and there are now 22 constituent members as shown in Table 1. Most of the members, like the RM AICHE, are local sections of a parent, nationally-recognized organization. As with the RM Section of the AICHE, many organizations take a hiatus in the summer and resume operations in the fall; a schedule also followed by the CEC.

Table 1. Constituent Members of CEC

American Council of Engineering Companies of Colorado (ACEC)	The Instrumentation, Systems, and Automation Society (ISA)
American Institute of Aeronautics and Astronautics (AIAA)	National Society of Black Engineers (NSBE)
American Institute of Chemical Engineers (AICHE)	Professional Engineers of Colorado (PEC)
American Institute of Professional Geologists (AIPG)	Professional Land Surveyors of Colorado (PLSC)
American Public Works Association (APWA)	Rocky Mountain Chinese Society of Science and Engineering (RMCSSSE)
American Society of Civil Engineers (ASCE)	Society for Mining, Metallurgy, and Exploration (SME)
American Society of Mechanical Engineers (ASME)	Society of Automotive Engineers International (SAE)
American Society of Safety Engineers (ASSE)	Society of Fire Protection Engineers (SFPE)
Association of Engineering Geologists (AEG)	Society of Petroleum Engineers (SPE)
Institute of of Electrical and Electronics Engineers (IEEE)	Society of Women Engineers (SWE)
The Institute of Industrial Engineers (IIE)	Structural Engineers Association of Colorado (SEAC)

3. Activities Outside of the RM AICHE for Fall 2006

AEG	1. September 27-29, 57 th Highway Geology Symposium in Breckenridge. 2. Geovolution Seminar with ASCE – see below.
AIPG	1. October 5-9, 40 th Annual Meeting in Glenwood Springs 2. October 7, 14, 21 – GeoAdventure Classes with Cripple Creek Parks & Rec 3. Second Friday of each month – Fee Map and GPS classes offered through USGS at the Denver Federal Center. Call 303-242-4689 to register.
ASCE	November 10 – Geovolution Seminar – The evolution of Colorado’s Geological and Geotechnical Engineering Practice.
ASME	October 5-6 – Tours of the National Wind Technology Center.
PEC	1. September 28, Tour of the National Ice Core Laboratory 2. Saturday, February 24, 2007 - 40 th Colorado High School Bridge Building Competition 3. In February, the MATHCOUNTS regional competition will be held
SAE	October 18 – Regular meeting to be held at Woodward Company in Loveland for a tour of their facilities. They manufacture turbines, aircraft engines, and energy equipment.

MARK YOUR CALENDAR!!

The Rocky Mountain Sections of the American Chemical Society and American Institute of Chemical Engineers will be jointly sponsoring a two and a half day regional conference in 2007. The event will be held at the Adams Mark in Denver beginning on August 30 and continuing through September 1, 2007. Conference symposia are currently under development and calls for papers will be forthcoming. All papers will be indexed in the Chemical Abstracts, so it provides a tremendous opportunity for students, professionals, and academics to further their careers.

We will be encouraging local section members to help with various planning activities including coordinating exhibitors, arranging an optional local social event, and identifying potential sponsors for the conference. Anyone interested in assisting with the planning is encouraged to contact Kevin Milliman at kmilliman@ogenvironmental.com or 303.704.7530.

Stay tuned to this space for more details!

COLORADO ENGINEERING COUNCIL
FOUNDED 1919

*******YOUR NOMINATIONS NEEDED*******
Due by November 1, 2006

The Colorado Engineering Council (CEC) needs your help in finding qualified Coloradoans for two of Colorado's highest Achievement Awards in the Engineering, Science or related professions. CEC is authorized to present **CERTIFICATE of HONOR AWARDS** and a **GOLD MEDAL AWARD** annually to Colorado citizens in recognition of superior and outstanding achievement, respectively. Nominations for these awards MUST be made by a Constituent or Associate Member Organization of CEC, a Council member or the Gold Medal and Honor Awards Committee.

It has been the practice for CEC to present up to three **CERTIFICATE OF HONOR AWARDS** annually to individuals who are nominated based on their records of SUPERIOR attainment in one of the following fields: *Design, Construction, Research, Education, Public Service, Science, Allied Engineering or Technical Activity*. In special cases, this award may be made to individuals whose efforts have greatly assisted or benefited activities sponsored by the Colorado Engineering Council.

The **GOLD MEDAL AWARD** is made to truly distinguished individuals who exhibit a long history of OUTSTANDING contributions and distinguished service to society through science and engineering for the same fields as noted for the Honor Awards. CEC is authorized to present up to one **GOLD MEDAL AWARD** annually, ONLY if merited by the credentials of the nominee.

Your organization is requested to make nominations for either or both awards by letter. Letters should include the name, address and phone number of the nominee and a brief biography of the nominee with details of their achievement that are considered to meet the criteria summarized above. The letter and any supporting attachments should not exceed four pages and shall take special care to explain the character and importance of the activities and contributions that make the nominee superior/outstanding in their field. Please include the name and phone number of the nominator in case additional information is required.

The nomination letters should be submitted NO LATER THAN November 1, 2006 to:

Sam Bartlett
CEC Past President
P.O. Box 812
Castle Rock, CO 80104-0812
Phone: 303-771-4045 Email: SamuelBartlett@aol.com

Nominations will be kept confidential. The award winners and one guest of their choice will be invited to be CEC's guest at the Annual Engineers' Dinner at which time they will receive their awards. Nominators of the award winners will be notified in advance and are encouraged to attend the dinner and award presentation.

AIChE Meetings

2006

Nov. 12-17 2006 Annual Mtg.
San Francisco, CA

2007

Jan. 14-18 SBE's 1st Int'l
Conference on
Biomolecular
Engineering
Coronado Isl, CA

Feb 4-7 2nd North American
Symposium on
Chemical Reaction
Engineering
Houston, TX

Apr 22-27 2007 Spring Nat'l
Houston, TX

Apr 25-27 2007 Management
Conference
Houston, TX

Sept 16-20 2007 Ammonia
Conference
Henderson, NV

For further information, contact
National AIChE.

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The objectives of AIChE are to advance chemical engineering in theory and practice, to maintain a high professional standard among its members, and to serve society, particularly where chemical, engineering can contribute to the public interest.

How to Place an Ad or Job Posting

Members: Free; Non-members: \$25.00 for each article

Deadline: 1st Tuesday of each month

Email your text to: lauramoes@msn.com

MEETING SCHEDULE

The Rocky Mountain District of AIChE generally meets the third Tuesday of every month, September through November and January through May.

Rocky Mountain AIChE News
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On the Web at:

<http://www.aiche-rm.org>

*Send your E-MAIL address to
mmoes@ekiconsult.com to receive
this newsletter electronically!*



-  PPA Event Center
 -  23rd Avenue Exit
 -  Invesco Field at Mile High
 -  Aquarium Restaurant
 -  Six Flags Elitch Gardens
 -  Pepsi Center
 -  Downtown Denver
- I-25 to 23rd Ave. Exit #211
West to Clay Street
South on Clay Street to 21st Ave.
West on 21st Ave. To Decatur St.
PPA Event Center is on the corner
of 21st Ave. And Decatur Street*

DIRECTIONS: Take I-25 to 23rd Avenue (Exit #211). Go west to Clay Street. Turn left (south) on Clay Street to 21st Ave. Turn right (west) on 21st Ave. The PPA Event Center is located on the corner of 21st Ave and Decatur Street. The address is 2105 Decatur Street.