

### March Section Meeting – Coal Combustion Products

Cherokee Station, located just north of downtown Denver, is one of Xcel's largest Colorado power plants. The plant's four units burn low-sulfur coal from Colorado mines, producing 715 MW of power. The plant features low-NOx burners, dry sorbent injection systems, and lime spray dryers to control NOx and SO<sub>2</sub> emissions while supplying Denver and surrounding counties with power. All four units use baghouse filters collect to fly ash. Join us at 5PM for a tour of Cherokee Station followed by dinner and presentation on the recovery and use of fly ash and other coal combustion products.

The U.S. electric utility industry burns more than a billion tons of coal annually, producing in excess of 123 million tons of coal ash and air emission control residues. Though these materials were historically considered wastes, this is changing. Fly ash, boiler slag, bottom ash and flue gas desulfurization (FGD) material are collectively referred to as "coal combustion products," or CCPs. Their "product" status has evolved because of their proven commercial and environmental benefits. CCPs offer equal or superior performance over commonly accepted materials/products. The large volume of CCPs and other industrial materials produced annually represents a tremendous opportunity for the United States to greatly increase its sustainable and green practices. This presentation provides an overview of the CCP industry, the materials it produces and discusses a variety of CCP applications. It will address some federal and state regulatory opportunities and challenges impacting management and use.

*(continued on page 2)*

### March Section Meeting

- Topic:** Coal Combustion Products
- Speaker:** David C. Goss, Executive Director, American Coal Ash Association
- Date:** Tuesday, March 20<sup>th</sup>
- Time:** 5:00 – 6:00 Plant Tour  
6:00 – 6:45 Dinner & social time  
6:45 – 7:45 Presentation  
**NOTE TIME CHANGE TO 5:00**
- Location:** Cherokee Station Power Plant, 6198 Franklin Street, Denver
- Menu:** Chicken, mashed potatoes and vegetables catered by Boston Market.
- Cost:** Members: \$20  
(w/RSVP)\* Non-Members: \$25  
Students & Unemployed: \$10

Please RSVP by **Friday, March 16<sup>th</sup>** (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](mailto:rockyaiche@yahoo.com). **Space is limited! Please RSVP early to guarantee availability. Confirmations will be emailed to your RSVP.**

\*Add \$5 for attending meeting without RSVP

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

(continued from page 1)

David Goss began with the American Coal Ash Association ([www.aaa-usa.com](http://www.aaa-usa.com)) in 2002. ACAA provides a unified national voice on the management and use of CCPs in ways that are environmentally responsible, technically sound and commercially competitive. ACAA works together with national and international partners to support this multi-billion dollar industry's contribution to a more sustainable environment. Previously he worked for Xcel Energy where he coordinated the ash management activities for nine coal-fired plants located in Colorado and Texas.

Goss received his Bachelor of Arts Degree from the University of Denver and a Masters of Public Administration from the University of Oklahoma. He is a member of the American Society of Civil Engineers, the American Society for Testing and Materials, the American Concrete Institute and the Air & Waste Management Association.

*A power plant is an industrial facility. Please wear casual clothes, preferably pants, and flat, closed-toe, shoes. Hardhats and hearing protection will be provided while in the plant. The tour involves walking, stairs and open-floor grating. If visitors are concerned with heights, they should let the tour guide know before the tour. For security purposes, cameras or video equipment are prohibited.*

## NEW MEXICO CORNER

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 (especially for the November 2006 meeting!) and I'd like to keep this trend going! Again, a warm "Thank You" to all of the AIChE-NM members for making our little sub-section a great one! See you soon!

Kerrie Greenfelder, New Mexico Liaison  
[GreenfelderKL@cdm.com](mailto:GreenfelderKL@cdm.com)

## 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 720.529.9777 or [kmilliman@ogenvironmental.com](mailto:kmilliman@ogenvironmental.com)

## NATIONAL AIChE MAKES SECTION FORUM AVAILABLE

The National AIChE has opened the Local Section Leaders Forum to all local section members. This decision was taken to increase the traffic on the discussion board and increase section interactions. The Local Section Leaders discussion board is an excellent place to have virtual meetings of your executive committees, post meeting notes, and communicate the latest news and events to your local section members. A manual on how to use the AIChE Forum is available in PDF format on the [www.aiche-rm.org](http://www.aiche-rm.org) website. The Forum can be accessed from the <http://Forum.aiche.org> website under the "AIChE Local Sections" category.

**New Mexico Tour of  
the Albuquerque  
Journal (newspaper)  
on March 7, 2007**



Learning about the presses –  
instructed by Roy and Suki



AIChE – New Mexico Group - our tour  
group in front of the big rolls of paper  
(2200 lbs each!!! - wow!)

Entrance to the Albuquerque  
Journal headquarters



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Listing will also be placed on web page ([aiche-rm.org](http://aiche-rm.org)).*

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## AIChE Meetings

### 2007

- Mar 19-22 SBE Conference on Accelerating Biopharmaceutical Development Coronada Isl., CA
- Apr 22-26 3<sup>rd</sup> Global Congress On Process Safety Houston, TX
- Apr 22-27 2007 Spring Nat'l Houston, TX
- Apr 25-27 2007 Management Conference Houston, TX
- Apr 26-27 2<sup>nd</sup> AIChE/SPE Workshop – Exploiting the Value of Heavy Oil Houston, TX
- Aug 12-15 SBE 3<sup>rd</sup> Int'l Conf On Bioengineering and Nanotech. Biopolis, Singapore
- Sept 16-20 2007 Ammonia Conference Henderson, NV
- Nov 4-9 2007 Annual Mtng. Salt Lake City, UT

For further information, contact National AIChE.

### National AIChE Contact Info

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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.

## ROCKY MOUNTAIN AIChE NEWS PUBLICATION SCHEDULE

April issue: Articles due April 3<sup>rd</sup>, 2007

April issue: Publish on April 6<sup>th</sup>, 2007

## MEETING SCHEDULE

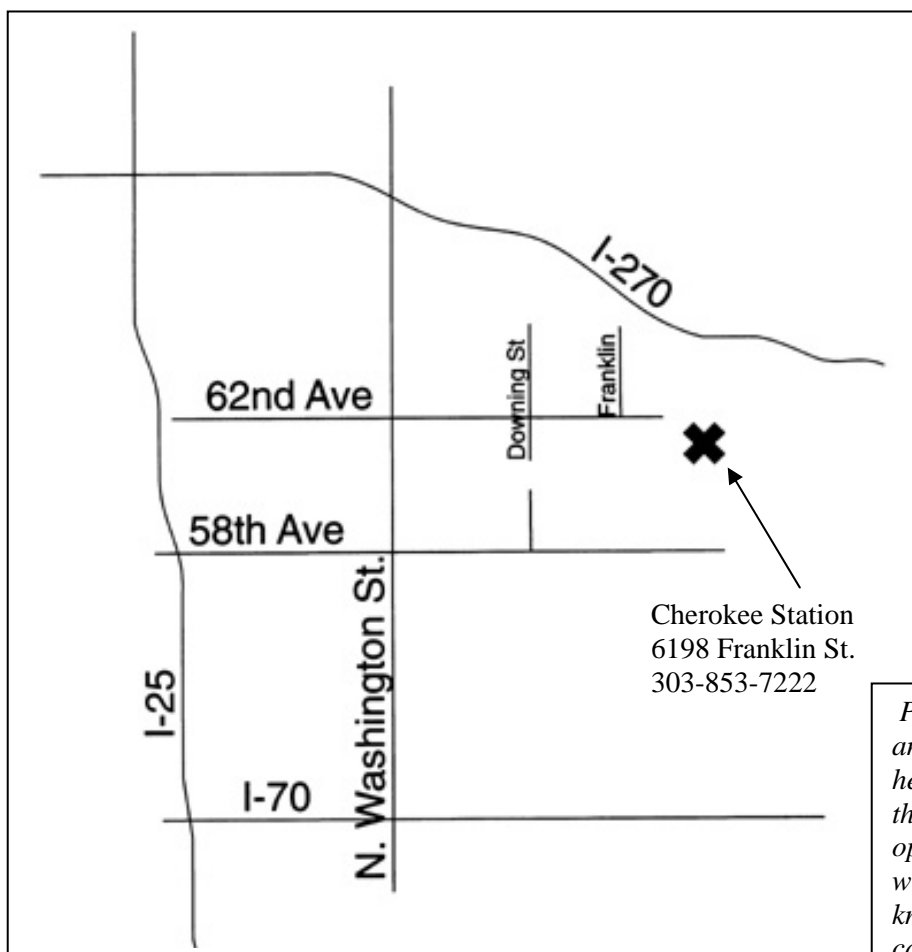
*The Rocky Mountain District of AIChE generally meets the third Tuesday of every month, September through November and January through May.*

Rocky Mountain AIChE News  
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On the Web at:

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

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[mmoes@ekiconsult.com](mailto:mmoes@ekiconsult.com) to receive  
this newsletter electronically!*



### **DIRECTIONS:**

**From I-25 take the 58<sup>th</sup> Avenue exit east. Turn left at Washington Street, then turn right at 62<sup>nd</sup> Avenue -- 62<sup>nd</sup> dead ends at Cherokee's front gate.**

*Please wear casual clothes, preferably pants, and flat, closed-toe, shoes. Hardhats and hearing protection will be provided while in the plant. The tour involves walking, stairs and open-floor grating. If visitors are concerned with heights, they should let the tour guide know before the tour. For security purposes, cameras or video equipment are prohibited.*