



# Rocky Mountain AICHE News

January 2003

Volume 12 Number 4

## January Section Meeting: Environment Health & Safety Management Issues of the Pharmaceutical Sector

The biotech and pharmaceutical industry in Colorado, centered in Boulder, has been identified as one of the growth sectors of the local economy over the next decade. As with any industrial enterprise, management of the environmental, health and safety aspects of operations will be critical to the success of this sector. Dean Calhoun, president of Affygility Solutions, will be our January speaker, providing an overview of several key processes in the manufacture of many pharmaceuticals and the regulatory issues associated with these processes. Affygility Solutions is a provider of environmental, health and safety services to the biotechnology, pharmaceutical, and medical industry.

Dean Calhoun is an American Board of Industrial Hygiene Certified Industrial Hygienist (CIH). He has been an environmental health and safety professional for over 16 years. Prior to starting Affygility Solutions, Dean was the Associate Director of Environmental Health and Safety for Gilead Sciences, Inc., a biopharmaceutical company focused on developing pharmaceuticals for infectious, viral, and oncology applications.

### January Section Meeting

- Speaker:** Dean M. Calhoun, CIH  
Founder and President of Affygility Solutions
- Topic:** Environment Health & Safety  
Management Issues of the  
Pharmaceutical Sector
- Date:** Tuesday, January 21, 2003
- Time:** 5:30 p.m. Social Hour  
6:00 p.m. Dinner / Presentation
- Location:** Rockbottom Restaurant and Brewery  
10633 Westminster Blvd. #900  
Phone: 720-566-0198
- Cost:** \$15 (half price for students and unemployed)

Please RSVP by **Friday, January 17th**. Indicate your name, phone number, and number of attendees by e-mailing Kevin Milliman at [kevin.milliman@earthtech.com](mailto:kevin.milliman@earthtech.com). Alternatively, you may leave a voice mail for Kevin at 303-804-2374.

**PLEASE NOTE that the E-mail address for Kevin Milliman has changed.**

## NOMINATIONS NEEDED!

The F. J. & Dorothy Van Antwerpen Award for Service to the Institute recognizes a chemical engineer for outstanding contributions and service to the Institute and is presented to a member of AIChE who has made outstanding contributions to the chemical engineering profession via service to the Institute. These contributions should emphasize achievements in both the professional and technical areas of Institute activities. The recipient will have contributed to innovative approaches to meet both perceived and unperceived membership needs. The award, sponsored by The Dow Chemical Company, consists of a plaque and \$5,000, plus a \$500 travel allowance.

The Founders Award for Outstanding Contributions to Chemical Engineering recognizes outstanding contributions in the chemical engineering field. It is presented to a member of AIChE who has had an important impact on chemical engineering and whose achievements, either specific or general, have advanced this profession in any of its aspects. The recipient should have a long and distinguished record of service to the profession, including both technical and professional activities. The award consists of a gold medal, a plaque and \$3,000.

To submit a nomination, please complete a nomination form which can be downloaded from AIChE's website at <http://www.aiche.org/resources/pdflibrary/mag/awardnomform03.pdf>. Be as specific as you can about why you are nominating this person. You should include supporting information (e.g. a list of their publications and a Curriculum Vitae) for the nominee. You will need to collect no more than four brief supporting letters from colleagues (peers) or former students to accompany your nomination. Nominations must be postmarked by February 15, 2003. For more information on these awards, please visit our website at <http://www.aiche.org/awards/>.

## UPCOMING MEETINGS

*Do you have a topic you would like to learn about? Is there a tour of a facility you would like to take? Would you or your company like to present a program or host a meeting? Please contact Kevin Milliman at 303-804-2374 or e-mail to [kevin.milliman@earthtech.com](mailto:kevin.milliman@earthtech.com) with your suggestions.*

## Offering from AIChE's Center for Waste Reduction Technologies

The Center for Waste Reduction Technologies (CWRT) has a new CD-ROM, *Industrial Water Reuse & Management: A Systematic Approach*. It shows how to systematically incorporate the principle of water conservation, recycling and reuse into the design of new plants, retrofits of existing systems and technology development. Technology summaries and case studies that support this systematic approach to water reuse, as well as recommendations for further research, are included.

An updated chapter on water reuse opportunities by industry has been developed in collaboration with the Department of Energy and highlights the general uses of water in industry (for heat transfer, mass transfer, as a reagent or raw material, etc.) and the associated energy costs. Energy management as related to water use and water use reduction is also addressed.

A set of water reuse opportunity briefings organized by nine industry categories is included. A brief overview of each industry is provided addressing water use in the industry and the associated energy costs, common water reuse practices and challenges the industry is working to overcome.

The new CD-ROM is available for \$95. For more information visit <http://www.aiche.org/cwrt/projects/wateruse.htm>. You can also check out two other publications by CWRT, "Practical Solutions for Reducing VOCs and HAPs," and "Making EHS an Integral Part of Process Design."

## New Student Liaison

Collin Greenwell has volunteered as the new Student Liaison for the Rocky Mountain AIChE area. Collin's phone number is 720-497-2133 and his email is [collin.greenwell@excelenergy.com](mailto:collin.greenwell@excelenergy.com). Thanks for volunteering!

The AIChE Officers would also like to extend a big thank you to Kevin Ritter for his hard work in this position for the past two years. Thank you for reaching out to our student chapters!

## ***AIChE Meetings***

**2003**

March 30-Apr 3	2003 Spring Nat'l New Orleans, LA
May 4-7	2003 Management Amelia Island, FL
May 5-8	Offshore Tech Houston, TX
June 22-25	Process Develop. Symposium Poconos, PA
Sept 4-5	Engr. & Construc. Contracting Scottsdale, AZ
Sept 15-18	Safety in Ammonia Plants Orlando, FL
Sept 23-25	CCPS Int'l Scottsdale, AZ

For further information, contact  
National AIChE.

### **National AIChE Contact Info**

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## ***Rocky Mountain AIChE Officers***

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Rocky Mountain AIChE News is published eight times a year by the Rocky Mountain section of AIChE. Opinions expressed herein are those of the authors and are not necessarily those of AIChE nor the officers of this section.

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.

## **MORE NOMINATIONS**

As you may be aware, from time to time, AIChE is asked to nominate worthy recipients for some external awards. These cover many technical awards such as the National Medal of Science and the Perkin Medal and the Othmer Medal Awards for Outstanding Educators and Contributors to Societal Needs. These awards are made by a great number of organizations from the National Academy of Engineering to the Chemical Heritage Foundation, from the Heinz Family Foundation to the American Association of Engineering Societies.

If you know of any outstanding AIChE members who should be nominated for awards from other organizations, please send their name and what you believe to be their major achievement(s) to: Peter Lederman, 17 Pittsford Way, New Providence, NJ 07974 OR e-mail your nomination to Pete at: [pblederman@comcast.net](mailto:pblederman@comcast.net).

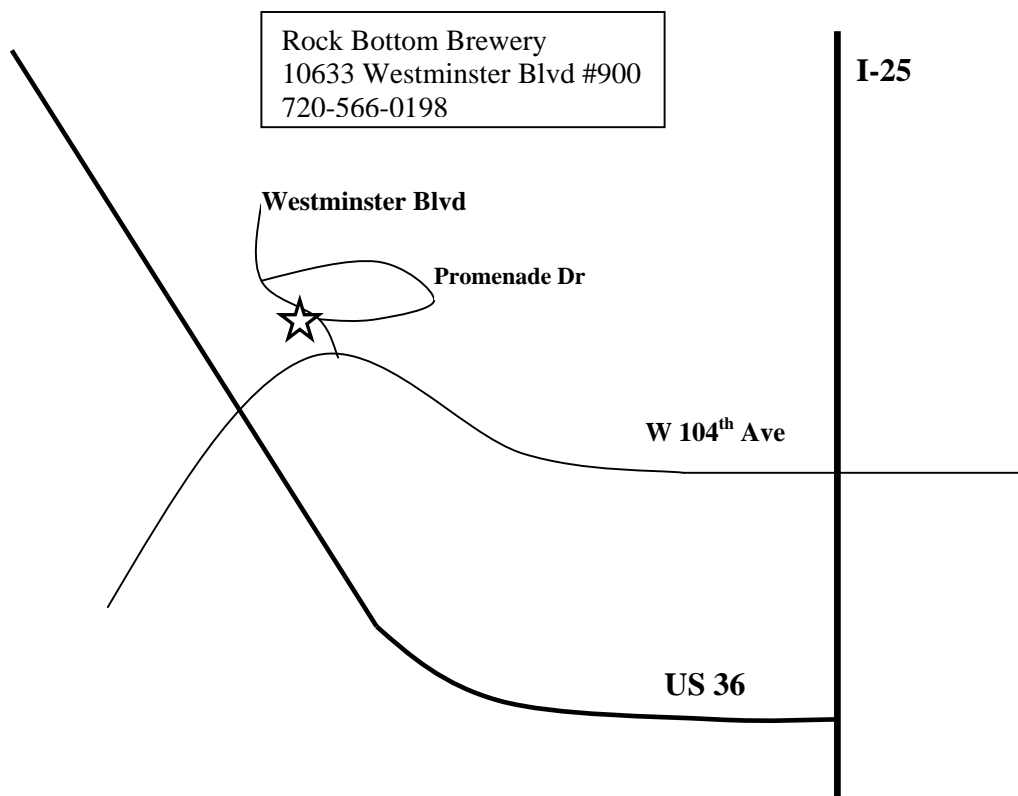
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*On the Web at:*

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

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(send to [mmoes@ekiconsult.com](mailto:mmoes@ekiconsult.com)) and  
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**DIRECTIONS: One block east of I-36 off 104th Avenue. Next to the AMC Promenade Theatre.**