

**American Institute of Chemical Engineers**  
Dallas Section

Regular Meeting Minutes  
Prepared by José Ramiro Rodríguez  
July 27, 2010

Meeting Info:

Date: June 22, 2010

Time: 6:00 to 9:00 PM

Place: Two Guys from Italy Restaurant  
11637 Webb Chapel Rd.  
Dallas, TX 75229

Attendees:

<u>Name:</u>	<u>Position:</u>	<u>Phone:</u>	<u>e-mail:</u>
Nancy D. Garnett, PE	Chair	972-647-3414	<a href="mailto:ngarnett@txi.com">ngarnett@txi.com</a>
J. Ramiro Rodríguez, PE	Vice Chair	940-725-0493	<a href="mailto:jrodriguezperazz@aol.com">jrodriguezperazz@aol.com</a>
Donald W. Abrahamson	Treasurer	972-443-4942	<a href="mailto:donald.abrahamson@celanese.com">donald.abrahamson@celanese.com</a>
Daniel U	Secretary		<a href="mailto:U.daniel@gmail.com">U.daniel@gmail.com</a>
James D. Meier, P.E.	Director	972-969-3930	<a href="mailto:james.meier@pxd.com">james.meier@pxd.com</a>
Keith Miller, PE	Director	214-206-2711	<a href="mailto:keithmiller@atmosenergy.com">keithmiller@atmosenergy.com</a>
Bobby L. Short, PE	Director	972-820-7450	<a href="mailto:blshort@verizon.net">blshort@verizon.net</a>
John Spessard	Member		
Beth Hilbourn	Member	972-359-1915	<a href="mailto:ehilbourn@turnermason.com">ehilbourn@turnermason.com</a>
Douglas B. Nurmi	Member	972-540-6131	<a href="mailto:dbnurmi@gmail.com">dbnurmi@gmail.com</a>
Eric D. Simms	Member	972-532-6563	<a href="mailto:ericdsimms@yahoo.com">ericdsimms@yahoo.com</a>
Laura Jordán Navarro	Member		<a href="mailto:lcjnavarro@gmail.com">lcjnavarro@gmail.com</a>
Patrick K. Drew	Member	972-978-8416	<a href="mailto:Patrick.drew@pxd.com">Patrick.drew@pxd.com</a>
Richard Schulze	Member		<a href="mailto:r.schulze@bcglobal.net">r.schulze@bcglobal.net</a>
Roger M. Kaiser	Member	972-886-0432	<a href="mailto:RKaiser@RWBeck.com">RKaiser@RWBeck.com</a>
Fei Bian, Ph.D.	Speaker		<a href="mailto:fbian@trinityconsultants.com">fbian@trinityconsultants.com</a>

Excused:

Derek White-Stevens	Director	972-235-1958 x208	<a href="mailto:dwhite-stevens@appliedconsultants.com">dwhite-stevens@appliedconsultants.com</a>
Marshall W. (Neal) Abernathy	Director		<a href="mailto:NealAber@aol.com">NealAber@aol.com</a>

Officers and Directors Meeting

The Chair called the meeting to order at 6:05 PM.

The following subjects were discussed in the Directors Meeting:

- a. Bank Signatures: The Treasurer and the new Chair agreed to coordinate a time to update the signatures in the Section checking account.
- b. New Officers: The new slate should be reported to National. The Vice Chair, as former secretary would inform National of the changes.
- c. Section Dues: National asked Chair Miller if the Section wished to change its dues. It was unanimously decided to keep them at \$20.00 per year.
- d. Bylaws: The new chair circulated a copy of the Section Bylaws, as well as a model from National, asking all officers to review them to propose any necessary changes. These would be considered in the August

Officers meeting, to be held at the Two Guys from Italy Restaurant on August 24, 2010 at 6:00 PM. The Vice Chair will make the reservation.

- e. Secretary-Elect resignation: Mr. Daniel U, our new Secretary, indicated that he would not be able to serve his term because he has accepted a job in China and is moving there. Mr. James Meier indicated that he would be available to cover as Acting Secretary at most meetings.
- f. Treasurer's report: The Treasurer indicated the he received \$360.00 in Section dues from National, for a balance of \$10,560.85 in our checking account.
- g. Technical Program for next year: We need a subject for September. Vice Chair mentioned that he has a contact that offered a conference on heat exchangers. He would be contacting the person for availability for September. In October, the topic would be Ethics in Engineering.
- h. Minutes of previous meeting: the minutes were approved.

Upon no further business, the Officers Meeting was adjourned.

### Section Meeting

The Chair Miller opened the Section meeting. He informed the audience that he would be ending his term as Chair, and that Ms. Nancy Garnett would be the new Chair. Then Vice Chair, and new Chair Garnett took the floor. She presented a certificate and a gift to the past Chair in appreciation for his service to the section.

The Treasurer presented his report and the past Secretary summarized the minutes of the previous meeting. Both documents were approved. Then Chair Garnett introduced Dr. Fei Bian, our speaker for the night, summarizing her biography.

### Biography:

Dr. Bian is a senior consultant in the Dallas office of Trinity Consultants, a nationwide environmental consulting company specializing in industrial air quality issues. Dr. Bian is also an adjunct assistant professor at Southern Methodist University (SMU) and teaches the Fundamentals of Air Quality course at Department of Environmental & Civil Engineering (starting this fall semester). At Trinity, her expertise encompasses air permitting and regulatory applicability analysis (state and federal), emissions quantification, control technology analysis, risk management planning and hazard assessment, air dispersion modeling and greenhouse gas emission inventory. Dr. Bian has assisted with air quality permitting and compliance strategies for clients from a variety of industries, including chemical, petroleum refining, oil and gas, asphalt and roofing, cement, lime and aggregates, pulp and paper, bulk storage terminals, aerospace, wastewater treatment, and general manufacturing. Dr. Bian is also a co-instructor for Trinity's professional training courses in air permitting and compliance for industrial clients in Texas.

Dr. Bian holds a Ph.D. degree in Chemical Engineering from Vanderbilt University and a B.S. degree in Process Control Engineering from Zhejiang University in China. In her doctoral research, Dr. Bian developed a new secondary organic aerosol lumping model that was adopted in the aerosol module of EPA's CMAQ (Community Multiscale Air Quality Modeling System) model. Dr. Bian has technical publications and conference proceedings in Environmental Science & Technology, Atmospheric Environment and AIChE, AAAR, and A&WMA annual conferences.

### Presentation

TOPIC: Proposed New Permit by Rule (PBR) for Oil and Gas Facilities – 1 hour CEUs

Speaker: Dr. Fei Bian

Summary of presentation:

In her presentation Dr. Bian discussed the new permit by rule (PBR) proposed by TCEQ with more stringent requirements for oil and gas facilities.

Some of the main points in her presentation were the stricter nature of new regulations being adopted by the Texas Commission for Environmental Quality that are applicable to new and old oil and gas facilities. These regulations are applicable to both construction and operation of oil and gas facilities. They include new definitions of receptor and emitting facilities, as well as more complicated permitting procedures.

Notification levels were redefined and made stricter and more complicated. There are new requirements for storage tanks, engines and other sources. October 2011 has been established as the deadline for completion of the new rules, but there is need for prompt action by industry, including the allocation of more lead time on permitting procedures.

The talk ended with a short period for questions and answers.

Chair Garnett thanked Dr. Bian for her contribution and gave her a token of our appreciation for her contribution.