

**Special Notes**

- **Location: Hilton Houston Hobby Airport**
- Workshops 5:30 PM-6:30 PM
- Networking 6-7 PM
- Dinner 7 PM
- Speaker 8 PM

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Monthly Meeting May 4, 2006 Awards Night! Hilton Houston Hobby Airport

Hurricane Rita:**An Unwelcome Visitor to PPG Industries in Lake Charles, Louisiana**

Get a glimpse of the within-the-fence activity of a major chlorine, caustic soda and chlorinated hydrocarbons manufacturing complex, immediately before and during the two weeks following Hurricane Rita.

This image-rich presentation provides over 80 slides offering a sense of how a major chemical complex coped with the aftermath of a storm system that battered the complex with 105 MPH winds for five or six hours and subjected the area with an eight to nine foot tidal surge. The talk will touch on the basics in preparation, perseverance and powering up again activity as this chemical complex began to return to normal. You will see some of the expected and unexpected things that a major hurricane can impact and wonder how your organization would fare.

Roy E. Sanders, Chemical Engineer, is a Compliance Team Leader for the Chlor/Alkali Production facilities at PPG Industries, Lake Charles, Louisiana. He has specialized in Process Safety since 1974, and was Superintendent of Loss Prevention at PPG from 1982 to 1998. He graduated from Louisiana State University, with a BS in Chemical Engineering. He has held various operations and technical positions at PPG involving chlor/alkali and chlorinated hydrocarbons.

He has been the principal author of about a dozen practical articles published on chemical process safety that offer a within-the-fence look at that activity from an operations, maintenance and engineering standpoint. His third book **Chemical Process Safety: Learning from Case Histories** has received excellent peer reviews.

Mr. Sanders is a regular lecturer on Process Safety topics throughout North America and is a frequent contributor of papers to the AIChE Loss Prevention Symposia and to the Mary Kay O'Connor Process Safety Symposia. He is a Registered Professional Chemical Engineer and Environmental Engineer in the State of Louisiana.

Roy enjoys gardening, photography and alligator hunting.

May 2006 Workshops

CAST	Facts about Copper Acetylides, and Safety with Copper Catalysts	David J. Artrip, BASF Corporation
PSM	Facility Siting: A Review of Presentations at the Second Global Process Safety Congress	Jack Chosnek, KnowledgeOne
PE/PO	No workshop this month.	
Environmental	No workshop this month.	

Dinner Registration Information

Make your dinner reservation online at:

<http://www.sts-aiche.org/reservations/sts-aichereservations.htm>

You may also **cancel a reservation** using this link.

PHONE RESERVATIONS WILL NO LONGER BE ACCEPTED.

FEE STRUCTURE

The current dinner costs are:

\$25 - With Online Reservation

\$35 - Without reservation

\$15 - With online reservation for unemployed or student

\$25 - Without reservation for unemployed or student

NOTE THAT "RETIRED" IS NO LONGER INCLUDED IN THE DISCOUNTED PRICES.

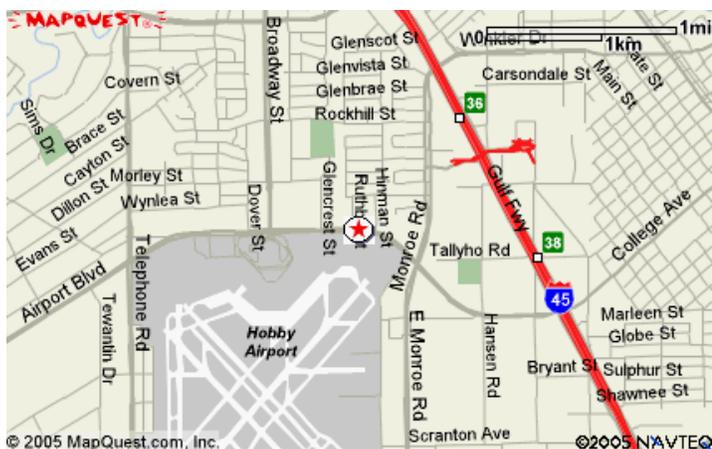
The fee increase is required to accommodate the increased cost of the meetings, and to encourage use of the online reservation system.

Attendees of the meeting will earn 1 PDH for the Texas Professional Engineer Continuing Education Programs. Remember to track your hours!

May Location - Hilton, Houston Hobby Airport

The May 4 meeting will be held at the Hilton Hotel near Hobby airport. If you would like to use your own mapping program, the address is 8181 Airport Boulevard, Houston, 77061. The phone number is 713-645-3000. You may find more information and detailed maps at the hotel's website:

<http://www.hilton.com/en/hi/hotels/index.jhtml?ctyhocn=HOUHAHF>





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Main South Texas Section site: <http://sts-aiche.org>

National AIChE website: <http://www.aiche.org/> (Needs Flash Plug-in)

Earn CEP credits at AIChE functions: http://www.sts-aiche.org/Texas_PE_CEP_Rule.html

Download the CEP log form: http://www.sts-aiche.org/xls/STS-AIChE_CEP_Log.xls

Update your contact information: <http://sts-aiche.org/memberinfo.htm>

Previous Newsletters (PDF format): <http://sts-aiche.org/newsletter/newsletter.htm>

Link to THIS newsletter: http://sts-aiche.org/newsletter/news_06/news0506.pdf

May 2006 Workshops: Begin at 5:30 PM

C.A.S.T. (Computing And Systems Technology): Facts about Copper Acetylides, and Safety with Copper Catalysts

Speaker: David J. Artrip, BASF Corporation

Abstract: Copper-containing catalysts are important to producers and consumers of ethylene. Copper-containing catalysts are used in the petrochemical industry for purification and contaminant-removal from process and product streams. Ethylene, propylene, refinery offgases, and various other streams encountered in plants are being successfully treated with copper-based catalysts, and in some applications for many years. In most of these processes, acetylene or methylacetylene (MA) are present at least in the ppm range. Yet there has never been an incident with explosive copper acetylides (ECA) in an olefin-purification bed.

Still, a concern persists in the industry that copper acetylides are a safety risk wherever copper-containing catalysts come in contact with acetylene - regardless of the type of process or catalyst. One aim of this paper is to foster a better understanding of copper acetylides, their formation, their explosivity, and why certain types of copper-catalysts can form only non-explosive acetylides.

In addition, guidelines and case histories are provided concerning safety in the operations and maintenance of copper-based purification beds used in ethylene and other olefin-related services.

Bio: David Artrip has a B.S. in Chemical Engineering from the University of Tennessee, and more than 25 years of experience in the petrochemicals industry. In 1987 he joined BASF's Catalyst group where he has been responsible for a wide range of catalysts, including catalysts for olefin purification, hydrogenation of olefins, production of phthalic anhydride, abatement of NOx, and for Fuel Processing for Fuel Cells. Mr. Artrip has played a key role in the development of BASF's global catalysts business, having developed BASF's computer model for designing purification beds by simulation, and having installed and serviced over 50 olefin purification units in North America.

Process Safety: Facility Siting: A Review of Presentations at the Second Global Process Safety Congress

Speaker: Jack Chosnek, Knowledge One

Abstract: For those who missed the Facility Siting session during the Second Global Process Safety Congress (held in conjunction with AIChE's National Spring Meeting), Jack Chosnek, who chaired the session, will review the papers presented. These papers included:

- Lessons Learned from OSHA's Enforcement of Facility Siting Provisions
- Infrastructure Impacts During Hurricane Katrina
- Facility Siting and the BP Texas City Incident
- Facility Siting following the Merger of Two Large Oil Companies
- Techniques for Siting New Building in Petrochemical Facilities, and
- Facility Siting Database and Analysis

Bio: Jack is a consultant in Process Safety Management and Knowledge Management and has over thirty years of experience in the petrochemical industry. He has consulted for companies in the chemical, oil and gas, waste management and mining industries, developing policies and implementing process safety management systems, facilitating PHAs, writing operating procedures and conducting process safety audits. He has developed software for PHA facilitation and Management of Change (MOC).

Jack is the Chairman of the Process Safety Workshops at the South Texas Section (STS) of AIChE. He is chairing the session on Facility Siting at the Second Global Congress on Process Safety being held in conjunction with AIChE's Spring National Meeting, and is has chaired and co-chaired other process safety sessions in previous years.

Jack has a BS and MS from the Technion—Israel Institute of Technology, and a PhD from the University of Missouri at Rolla, all in Chemical Engineering, as well as an MBA from Texas A&M—Corpus Christi. He is the holder of three patents related to chemical production.

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2006 Offshore Technology Conference

1-4 May • Reliant Center • Houston

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Offshore Technology Conference (OTC) Connects AIChE members with the Leaders of the Oil and Gas Industry

AIChE's co-sponsorship of this year's Offshore Technology Conference, to be held from May 1 to May 4 in Houston, Texas at Reliant Center, continues the Institute's tradition of reaching out to this vital sector of the petroleum industry.

The conference is an opportunity for AIChE to show potential new members the benefits that AIChE has to offer the industry. These benefits include extensive programming and professional training courses in the fuels and petrochemicals area at AIChE's national meetings as well as financial and career services. The large proportion of attendees from overseas ensures that many chemical engineers get their first exposure to AIChE through the conference.

The Institute has a booth at the meeting where chemical engineers can get information first-hand about AIChE's role in spurring growth and innovation in the industry. The Offshore Technology Conference is surely an apt place for this discussion to occur. It has been a fixture in Houston for the past three decades, surviving a temporary industry downturn in the 1980s to attract 50,000 attendees in 2005.

According to Arnis Judzis, an AIChE member who is serving as chairman of the Offshore Technology Conference Board, "Currently, we are experiencing a very exciting time in the industry. High product prices are helping drive new and innovative technologies to meet today's demand for producing energy in a safe and environmentally responsible manner."

AIChE is also represented at the conference by Art Schroeder, who is moderating two exciting sessions; "Energy Leadership and Outlook" with a keynote from the acting Secretary General of OPEC and a second session, "Technology Commercialization" which focuses on opportunities created under the recent US law, Energy Policy Act 2005. For more information on these sessions and others please visit http://www.otcnet.org/2006/tech_prog/panel_technology.html

For more information on how to become involved in developing and selecting conference content, please contact Mr. George Montgomery, chairman of the OTC - AIChE sub-committee at gjmontgomery@mcdermott.com.

Art J. Schroeder, Jr. CEO
art@EnergyValley.net
Energy Valley, Inc.
Money, Marketing, & Management
526 Little John Lane
Houston, TX 77024
tel: (713) 681-1482

Register online now!
<http://www.otcnet.org/2006>

Call for Volunteers - OTC AIChE Sponsor Society Booth

The Offshore Technology Conference is coming to Houston, May 1-4, 2006. It will be held at Reliant Center, Houston.

The South Texas Section has been asked to staff the AIChE Sponsor Society Booth. For agreeing to staff the AIChE booth for one-half (1/2) day, each volunteer will receive:

1. **One Complimentary OTC One Day Pass**
2. **Free Parking for the day served staffing the booth (parking fee receipt required.)**

To volunteer, please contact:

Tom Menn
281-485-3719
P. O. Box 458
Pearland, TX 77588-0458
thomasmenn@SBCGlobal.net

Call for Volunteers - 2006 OTC Arrangements Conduct Committee

The Offshore Technology Conference is coming to Houston, May 1-4, 2006. It will be held at Reliant Center, Houston.

The AIChE South Texas Section has been selected to staff the 2006 OTC Arrangements Conduct Committee. The Arrangements Committee has similar duties to session aides at our National and Annual AIChE Meetings which are:

- Attend a brief committee meeting with the Arrangements Committee Chair on the day of their assigned session.
- Pick up author and session chairmen gifts in the Speaker Ready Room and deliver to the session room prior to start of session.
- Thirty minutes prior to the start of each session:
 - Introduce themselves to the authors, audio-visual operator and technical session chairmen.
 - Determine that the required audio-visual equipment is available and functioning properly. A list of the equipment will be provided.
 - Familiarize themselves with the lights, maintaining appropriate lighting in the room
 - Direct session attendees to available seating.
- Report any issues regarding lighting, A/V equipment or ventilation to the Speaker Ready Room.
- At the conclusion of the session, return session attendance and A/V evaluation form to the Speaker Ready Room (forms will be supplied in advance).

For agreeing to serve as a member of the OTC Arrangements Conduct Committee for one technical session or one-half (1/2) day, each volunteer will receive:

1. **One complimentary OTC Registration**
2. **Complimentary Parking Pass for the OTC with In/Out Privileges**

To volunteer, please contact:

Tom Menn
281-485-3719

P. O. Box 458
Pearland, Texas
77588-0458

thomasmenn@SBCGlobal.net

or Dave Pay
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The collage features several key software components:

- ioXpress Web Portal:** A screenshot of a user interface with a search bar, navigation tabs (Library, Administration, Reports, Tools), and a list of items.
- Hazard Map:** A geographical map showing a facility location with concentric red and blue circles representing hazard zones.
- Graph:** A plot showing a red and blue curve on a grid, with the x-axis labeled 'Overhead Distance, ft' and the y-axis labeled 'ft'.
- Process Flow Diagram:** A central diagram with interconnected nodes: 'Action Tracking & Reporting', 'QRA', 'Relief & Flare Systems Design & Rating', 'Facility Siting', 'MOC Workflow', and 'Continuous PHA Revalidation™'. A blue double-headed arrow connects 'MOC Workflow' and 'Continuous PHA Revalidation™'.

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Tel: 1.713.490.5220
Fax: 1.713.490.5222

From the Editor

The season (as I call it) has come to an end. I've now been the editor of this newsletter for a year. And boy has the time flown.

It has been my wish to produce a professional document that gets the correct information out to our members in a reader-friendly, timely manner. I hope that you have found that to be the case. I haven't received many complaints...actually none! I have received a couple of helpful suggestions that I have taken to heart, and I believe these have enhanced our newsletter even more. You are always welcome to send complaints, compliments, suggestions, and perhaps an article of your own.

As you may know, the newsletter takes a break each year during the months of June, July, and August. But we will not be sitting still. Plans are in the works for the Annual Ship Channel Cruise (details are on page 11) and we are hosting the Leadership Development Conference in June. AIChE section leaders from all over the country will be joining us to discuss how to make all of AIChE better for our members. We hope to see you there. I'm giving a presentation on the use of Electronic Media in disseminating information. It would be nice to see some familiar faces in the audience!

I wish you all a safe and happy summer. See you in the fall!

Susan Cannon, Editor

SusanCannon119@aol.com or newsletter@sts-aiche.org

Submit an article or idea! Include your name and contact information (phone, email, or fax). Anonymous submissions will not be accepted. Your company name may be omitted if you prefer. Entries may be edited for length and content (grammar, punctuation, etc.).

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2006 AIChE National Leadership Development Conference

"Energizing AIChE Leaders in the Heart of Texas"

The South Texas Section is proud to host the 2006 Leadership Development Conference. The conference brings together the section leaders from all over the country. Various issues concerning nonprofit organizations, the AIChE, and leadership are discussed.

It will be held June 2, 3, and 4 at the Doubletree Guest Suites Houston by the Galleria (5353 Westheimer Road, Houston, TX 77056). The sponsor is Pete Belmonte of Suez Energy Generation NA. Contact him at 713-636-1022 or peter.belmonte@suezenergyna.com for volunteer opportunities or more information.

You may register online at <https://www.aiche.org/apps/ecommerce/leadershipconf/eccconfreg.asp>

Bookmark the main website to view the latest information. <http://www.aiche.org/ldc>

The current program is tentative and subject to change:

Friday June 2

10:00am - 5:00pm	LDC Registration / Hotel Check-In
5:30pm - 7:00pm	Social Hour Welcome Reception
7:00pm - 8:30pm	Dinner
8:30pm - 10:00pm	Networking Time

Saturday, June 3

8:00am - 9:15am	Update from National AIChE Board: (All)	
8:00 - 8:10	Opening remarks by President John Chen	
8:10 - 8:20	Institute Operations	
8:20 - 8:30	Institute Finances	
8:30 - 8:40	Institute Growth	
8:40 - 8:50	Speakers Academy	
8:50 - 9:05	Database/Web update	
9:05 - 9:20	Q&A	
9:30am - 11:00am	Looking Ahead - Three Initiatives: (All)	
9:30 - 9:45	Introduction and overview	
9:45 - 10:00	Relevancy/Membership	
10:00 - 10:15	International Developments	
10:15 - 10:30	Energy	
10:30 - 10:50	Breakout discussions	
10:50 - 11:00	Wrap-up	
11:15am - 12:00pm	Keynote speaker (All)	
12:00pm - 1:10pm	Buffet Luncheon & Q&A with keynote speaker (All)	
1:15pm - 4:05pm	Breakout Sessions: (2 topics to run concurrently)	
1:15 - 2:05	Local Section Governance Division	Forum Governance
2:15 - 3:05	Using Electronic Media	Personality Profile Review
3:15 - 4:05	Organizing Fund Raising Activities	Local Programs
5:00pm - 10:00pm	Dinner or Astros Game	

Sunday, June 4

9:00am - 11:00am	Breakout Sessions: (2 topics to run concurrently)	
9:00 - 9:50	Fund Raising Activities	Volunteer Recruiting & Mgmt.
10:00 - 10:50	Local Section Governance	Young Professionals Groups
11:00am - 12:00pm	Wrap up - what did we learn, Path Forward (All)	
12:00pm	Close	



2006 AIChE National Leadership Development Conference Sponsorship

"Energizing AIChE Leaders in the Heart of Texas"

Would your company be interested in sponsoring the Leadership Development Conference? You will be helping to make this important event happen, and at the same time raising your company's profile in the chemical engineering community.

Corporate sponsorships are available at three different levels:

Underwriters: \$1,000

Corporate Sponsors: \$500

Small Business Sponsors: \$250

All sponsors will be listed in the event program. In addition, there will be a prominent display of sponsor logos at the conference center, and our sponsors will be acknowledged daily from the conference podium. For further details, please contact Alan Rossiter by e-mail at: alan@rossiters.org, or by phone at: 713-660-9503 (office) or 713-823-3980 (mobile). But hurry – **the deadline is May 1, 2006.**



ExComm Meeting Notification

At the March meeting of the Executive Committee, we decided to change the time and location of future ExComm meetings from the day of the regular monthly meetings to the second Monday before the regular monthly meeting.

For now, we plan to meet at Nick's Pasta, 4057 Bellaire Blvd (77025), about 1/2 mile east of Loop 610, on the south side, just west of Stella Link. Any member of the Section is welcome to attend.

Please email Larry Chriswell before the day of the meeting if you want dinner, so that we can let the restaurant know. His email is lchriswell@keelsoncompany.com.

Consult the website for the latest schedule of ExComm Meetings. The next meeting will be Monday, May 22.



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EOE/m/f/h/v

Calendar of Upcoming Events

Mark your calendars! Upcoming events are:

May 1-4	Offshore Technology Conference (Volunteer! See Page 4)
May 4	Dinner meeting: Awards night
June 2-4	Host National AIChE Leadership Conference
September 7	Resume monthly meetings

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Annual Ship Channel Cruise Information

2006 ANNUAL STS-AICHe HOUSTON SHIP CHANNEL TRIP

6:00 PM, THURSDAY, JUNE 1

Once again, the South Texas Section will journey down the Houston Ship Channel in the fully air-conditioned M/V Sam Houston on the evening of Thursday, June 1. The M/V Sam Houston will leave the dock at 6 PM sharp and return to the dock at approximately 8 PM.

Barbecue and free beverages will be served, so please bring your spouse or significant other. Lenox Barbecue will provide beef, chicken and rib barbecue dinners with all the fixings including beans, potato salad, cole slaw, pickles, and lots of jalapenos plus dessert for those who are still hungry.

Because the trip is intended for a technical organization, no children under the age of 16 are allowed. The cost of the trip, the barbecue, and the beverages (open bar) is \$15.00. Because of the popularity of this annual trip and the limited space on board, we regret that we must impose a limit of only two (2) people per reservation. Also, people who fail to cancel their reservations by 12:00 noon on Thursday June 1 are subject to being charged for the \$15.00 per person cost.

Because of Port of Houston security requirements and the limited space available, reservations are required for the trip since the M/V Sam Houston can take only 65 people. Please make your reservation preferably by logging onto the STS-AICHe Web site at <http://www.sts-aiche.org/> and following the links to the STS-AICHe Houston Ship Channel trip. Reservations will be accepted starting on the night of the Thursday May 4 monthly dinner meeting until 2:00 PM, Tuesday, May 30. [Attendees of the May 4 STS-AICHe meeting will get to sign up during the meeting.](#) When the reservations list is full, a wait-list will be started. Reservations can be cancelled at any time up to 12:00 noon on Thursday, June 1, online on the STS-AICHe Web site.

Please include the names and contact information including the telephone numbers or e-mail addresses for yourself and your AICHe membership number with your reservation so we can contact everybody to confirm all of the reservations and notify everybody in case the trip is cancelled. Remember: reservations will be accepted beginning with the Thursday, May 4, STS-AICHe monthly dinner meeting.

Each passenger must present photo identification such as a valid drivers license to show to the guard at Gate 8 and to the crew member before boarding the M/V Sam Houston. Names will be compared to the reservations list by the guard.

We hope to see you on board the M/V Sam Houston when we weigh anchor.

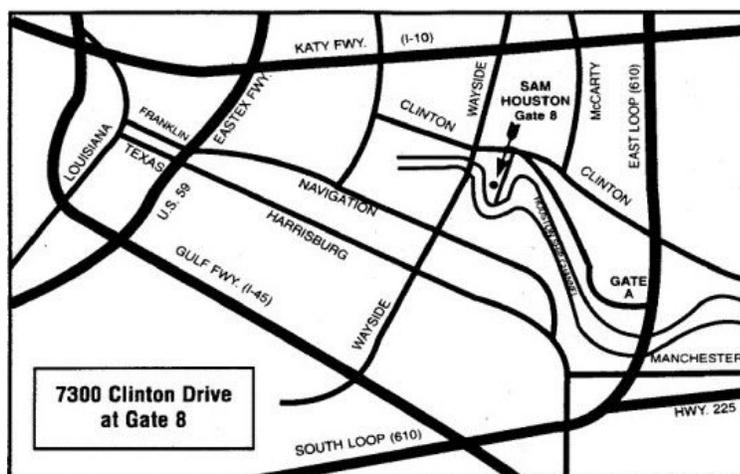
DIRECTIONS:

The parking lot access is through Gate 8 of the Port of Houston, 7300 Clinton Drive. Exit I-10 (Baytown East Freeway) at McCarty and proceed south on McCarty to Clinton Drive. Turn right on Clinton and proceed west to Gate 8, which has a signal light and is just before Wayside. Turn left and enter Gate 8, then proceed to the pavilion at the Turning Basin, staying to the right. Once there, park in the parking lot and join us on board the M/V Sam Houston.

DO NOT EXIT AND GO DOWN WAYSIDE; THERE IS NO STREET CONNECTION FROM SOUTHBOUND WAYSIDE TO CLINTON.

SECURITY NOTICE

Because of the increased security requirements at the Port of Houston, the annual STS-AICHe Houston Ship Channel Trip is subject to cancellation at the last minute by the Port of Houston Authority. If this happens, we will notify those with reservations and place a notice on our Web site, www.sts-aiche.org. Your understanding of this situation is appreciated.





South Texas Section AIChE

South Texas Section
P. O. Box 710773
Houston, TX 77271-0773

2006 Officers and Contact Information

CHAIRMAN
Lawrence Chriswell
Keelson Co.
281-499-4393

CHAIR-ELECT
David Karesh
Jacobs Engineering
832-351-6944

SECRETARY
Kevin Hagan
S&B E&C
HaganKJ@SBEC.com

TREASURER
Shane Tierling
KBR
713-753-6892
Shane.Tierling@halliburton.com

SOUTH TEXAS SECTION MISSION STATEMENT

As a section of AIChE, we serve chemical engineering professionals in the South Texas region through education, professional development, and networking.

Vision 2008

We will become an organization with a strong and active membership. We will accomplish this through:

1. Increasing awareness of the South Texas Section of the AIChE
2. Improving relevancy of our programs
3. Improving our governance
4. Hospitality/Welcome/Social

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AIChExpress Service Center

3 Park Avenue

New York, New York 10016-5991

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Newsletter Editor

Susan Cannon
KBR
601 Jefferson Avenue
Houston, TX 77002
(713) 753-8626
SusanCannon119@aol.com

Submit an article! Contact:

Matt Kolodney
TCEQ
5425 Polk Avenue, Suite H
Houston, TX 77023-1486
(713) 767-3752
mkolodne@tceq.state.tx.us

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Rossiter & Associates
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