

September 17-19, 2006

2006 Environmental Conference: Advance Program

The Westin Riverwalk Hotel
San Antonio, Texas



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2006 Environmental Conference: Advance Program

The NPRA Environmental Conference focuses on environmental regulatory and policy issues at the plant level. The sessions are designed to address the impacts of various environmental regulations on refineries and petrochemical plants and to provide compliance solutions and procedures for a facility. Approximately 300 environmental representatives from refinery and petrochemical plants and service organizations attend. It is an opportunity to network with peers, sharing similar problems and challenges in the refining and petrochemical industry.

Panel Discussions

Questions for the panel discussions represent real questions and problems that have been submitted by your peers. Panelists include representatives from the NPRA environmental committee, operating companies, service organizations and government agencies. Panelists bring prepared answers to the sessions and use their experience and knowledge to respond to questions raised by attendees.

Managing Facility Startup Shutdown, Maintenance, Malfunction and Upset (SSMMU) Activities Under the Clean Air Act

Managing environmental compliance for facility Startup Shutdown, Maintenance, Malfunction and Upset (SSMMU) activities has been a focal point of discussion within the industry for a number of years. Ambiguity in regulatory language and differences in agency interpretations has led to uncertainty in how SSMMU activities should be accounted and reported for various regulations promulgated under the Clean Air Act. This workshop will help clarify some of the uncertainty by providing information and interactive panel discussions through six modules that individually address compliance for SSMMU activities. Presenters and panel members will include representatives from consulting, industry, and state and federal agencies who are considered to be subject matter experts in the field. The workshop will benefit both refining and petrochemical staff responsible for managing environmental compliance for their facilities.

Conference Co-Chairs:

Paul Young, Ergon Inc.

Chris Swanberg, Coffeyville Resources LLC

We would like to thank our 2006 Environmental Conference Sponsors:

Providence Engineering

RMT

The RETEC Group

Schedule at a Glance

Sunday, September 17, 2006

10:30 am – 5:00 pm Registration / Badge Pick-up

12:30 pm – 5:00 pm Workshop:
Managing Facility Startup Shutdown, Maintenance,
Malfunction and Upset Activities Under the Clean Air Act
Coordinated by Sage Environmental Consulting
See registration form for fees.
You must be signed up for the conference to attend the workshop.

Monday, September 18, 2006

7:00 am – 5:30 pm Registration / Badge Pick-up

8:00 am – 8:45 am Keynote Session

8:45 am – 10:00 pm Greenhouse Gases

10:00 am – 10:30 am Coffee Break

10:30 am – 12:00 pm Remediation and Water Issues

12:00 pm – 1:30 pm Lunch

1:30 pm – 3:30 pm Fugitive Emissions, Flares, and Fence Line Monitoring

3:30 pm – 5:30 pm Technical Poster Session and Reception

Tuesday, September 19, 2006

7:00 am – 3:00 pm Registration / Badge Pick-up

8:00 am – 10:00 am Compliance Assurance

10:00 am – 10:30 am Coffee Break

10:30 am – 12:00 pm Compliance Assurance

12:00 pm – 1:30 pm Lunch

1:30 pm – 3:00 pm Panel Discussion:
Newsreel: Regulatory & Legislative Update

12:30 pm – 5:00 pm

Workshop

**Managing Facility Startup Shutdown, Maintenance,
Malfunction and Upset (SSMMU) Activities Under the Clean Air Act
Coordinated by Sage Environmental Consulting**

You must be signed up for the conference to attend the workshop.

Module 1

SSM Plan Strategies

- SOPs referencing
- Checklist use
- Plan structure
- Recordkeeping
- Event management

Moderator: *Brett Kriley*, Sage
Environmental Consulting
Representative, Total Petrochemicals, USA

Panel Discussion:

Module 2

**SSM Refinery MACT I /II,
HON/MON MACT**

- Tanks
- Flares
- SRU
- FCCU
- Process vents

Moderator: *Kelly Bradberry*, Sage
Environmental Consulting
Representative, ConocoPhillips
Representative, LaDEQ
Bob Lucas, EPA OAQPS (Invited)
Rob Ferry, The TGB Partnership

Panel Discussion:

Module 3

SSMU Benzene NESHAP Issues

- Rule interpretations
- Waste accounting (2 Mg vs. 6 Mg
Option)
- Control device maintenance

Moderators: *Larry Darcy*, *Darrell Bruckert*,
Sage Environmental Consulting
Representative, BP
Representative, SCAQD
Ken Garing, EPA NEIC
Brad Raffle, Baker Botts, LLP (Invited)

Panel Discussion:

Module 4

SSMM NSPS A & J Issues

- Rule interpretations
- CEMS reporting during SSMM
- Flares
- SRU / Sulfur Pit

Moderator: *Mike Hopperton*, Sage
Environmental Consulting
Representative, Exxon Mobil Corporation
Representative, TCEQ
Patrick McCoy, EPA Region V (Invited)
Jim Jahnke, PhD, Source Technology
Associates (Invited)

Panel Discussion:

Module 5

SSM Permitting

- NSR Legalities – netting, offsets,
SIP caps, NAAQS, enforcement, etc.
- Permitting MSS and QUAN;
Texas developments
- Flex PAL advantages and
disadvantages

Moderator: *Jim Myers*, Sage Environmental
Consulting
Representative, Exxon Mobil Corporation
Representative, TCEQ
Representative, EPA Region VI
Matt Kuryla, ESQ, Baker Botts, LLP

Module 6

SSM Reporting

- Immediate vs. periodic reporting
- State overlap
- Title V deviations
- EPCRA/CERCLA overlap

Moderator: *Jamie Mann*, Sage
Environmental Consulting
Representative, Coffeyville Resources LLC

8:00 am – 8:45 am

Keynote Address

GHG: Coming Soon to a Theater Near You

Mindy Lubber,
Executive Director, CERES

8:45 am – 10:00 am

Green House Gases

Voluntary Actions to Address Climate Change: A Survey of Strategies and Activities by US Refiners and Petrochemical Producers

Ron Crum, URS
Geoff Swett, ARCADIS

Implementing Climate Change Policy in the Refining Industry – Industry Specific Challenges and Lessons Learned

Julie Chiaravalli, David Wolfe,
Trihydro Corporation

Cost Effective Actions to Mitigate the Impact of a Climate Change Policy

Terry Shires, URS

Question & Answer Session

10:30 am – 12:00 pm

Remediation and Water Issues

Increasing Water Scarcity Raising Refineries – Interests in Water Recycle and Reuse

Enrique Falcon, Michael Romano,
Earth Tech / Tyco Infrastructure

Managing the Business of Environmental Remediation

Marc Ferries, El Paso Corporation
Ken Tyrrel, URS Corp

Implementation of MACT Rulemakings

Lyn Holmes, Roger Rinas, Valero Energy Corporation
Henry Goyette, ERM

Permitting New or Expanded Discharges in Impaired Waters

Mike Hansel, Barr Engineering Company

12:00 pm – 1:30 pm

Lunch with Speaker

1:30 pm – 3:30 pm

Fugitive Emission, Flares, and Fence Line Monitoring

Effective Flare Management in Refineries

Mudumbai Venkatesh, ENSR Corporation

Reducing Emissions From Plant Flares

Meg Healy, Robert Levy, Lucy Randel,
Donald Weaver, Industry Professionals for Clean Air

Designing Emission Testing Programs to Support Refinery MACT and EPA Consent Decree Implementation

Gary Lloyd, Jeffrey O'Neill,
Weston Solutions Inc.

Smart LDAR - Writing the Rules

Robert Ferry, The TGB Partnership

The Third Generation LDAR - Lower Fugitive Emissions at a Lower Cost

Nimish Katwala, Liming Zhou, Kevin Calhoun, Yousheng Zeng, Providence Engineering and Environmental Group LLC

Continuous Fenceline Air Monitoring for Benzene Using an Automated-Gas Chromatograph

Brian Cochran, Scott Jenkins,
URS Corporation

SMART LDAR

Ken Garing, EPA NEIC (Invited)

3:30 pm – 5:00 pm

Poster Session

**Managing Continuous Emissions
Monitoring Systems**

*Jena Golightly, ConocoPhillips
Lisa Cruz, T3, Inc.*

**Using Asset Recovery to Lower Costs
and Reduce Liabilities**

*J. Mitchum, URS Corp. Cleveland
Wrecking Company*

**Achieving Increased Consistency
through Implementation of
Multi-Site Environmental Information
Management System**

*Gary Hart, Shell Oil Company
David Cox, Rebecca Morris, ESP
(Environmental Software Providers)*

**Field Data Collection Using
Handheld Computers**

*Brian Powers, National Cooperative
Refinery Association
Jess Askey, Mark Schoenheider,
Trihydro Corporation*

**DynaWave Wet Gas Scrubbing:
A New Alternative for
Claus Unit Tail Gas Treating**

*Cristina Kulczycki, Steve Meyer,
MECS, Inc.*

**Optimizing the Performance of
Ultra-Low-Emission Burners in
Refinery and Chemical Plant Furnaces**

*Charles Benson, Mark Bury, Roberto
Pellizzari, ENVIRON International
Corporation*

**Use of Landfill Gas (LFG) at
Cytec Industries Inc. Fortier
Manufacturing Complex**

*Julie Roussel, Dave Vaishnav,
Cytec Industries Inc.*

Unresolved BWON Issues

Bruce Douglas, Brown and Caldwell

**Implementation of a Real-Time
Environmental Data Management
System to Ensure HRVOC Program
Compliance**

*Kelly Coppola, BP Products North
America, Inc.
Jane Buchanan, Mustang Engineering, LP*

**Port Hawsbury Bioremediation and
Secondary Containment Upgrades**

*Michael Romano, Don Shosky Jr.,
Earth Tech, Inc.*

**Sediment Remedial Approach –
Monitored Natural Recovery**

*Tammy Brendel, Amber Murray,
Christopher Pearson, William Solberg,
The RETEC Group, Inc.*

**Use and Calibration of the
API Mobility Model to Predict
LNAPL Recovery – A Case Study
for a Former Midwestern Refinery**

*Christopher Pearson, P.E., The RETEC
Group, Inc.*

**National Partnership for
Environmental Priorities**

Ryan Rosserm, EPA Region 6

8:00 am – 12:00 pm

Compliance Assurance

**DOT Applicability –
Are You Covered?**

June Coover, John McCabe,
The RETEC Group, Inc.

An Insightful NSR Case Study

*Luis Comas, Sunoco Environmental
Services*
Albert Hatto, ERM

**The Invisible Business Risks in the
Refinery Fuels Laboratory: It doesn't
have to be Fraud to be Frightening**

John Huntington, Gateway Enterprises

**Regulatory Reporting Requirements
for the Petroleum Industry**

Terry Cirbo, Thomas Nelson,
Anita Firestine, Ashok Patel,
URS Corporation

**Secrets to Meaningful, Sustainable and
Efficient Regulatory Task Development
for Compliance Certification**

*Alan Savage, Tesoro Refining and
Marketing Company*
John Beath, Lynn McGuire, ERM

**Challenges in Dealing with
Regional Haze for BART and
New Source Permitting**

David Heinold, Robert Paine, ENSR

**Looking Down the Road:
Implications of EPA's New
AERMOD Model for Refineries**

Bob Muche, Sunoco, Inc.
Mark Garrison, ERM

**Strategic Compliance Planning
in Eight-Hour Ozone
Nonattainment Areas**

Sharon Jones, CDM

**Controlling NOX on Refinery Heaters
Using CO-Based Control Technology**

Robert Bambeck, Bambeck Systems Inc.
Representative, Placid Refining Company

**The New PM NAAQS:
Its Practical Implications, and a
Viewpoint on its Scientific Basis**

*Yousheng Zeng, Providence Engineering
and Environmental Group LLC*

12:00 pm – 1:30 pm

Lunch with Speaker

1:30 pm – 3:00 pm

**Panel Discussion:
Newsreel: Regulatory &
Legislative Update**

1. Conference Registration and Tickets

[Click here](#) to register or complete the enclosed registration form. Registration includes admission to the General Sessions, the Reception and Poster Session on Monday, and luncheons Monday and Tuesday. Registration for the Managing Facility Startup Shutdown, Maintenance, Malfunction and Upset (SSMMU) Activities Under the Clean Air Act Workshop is a separate fee. Refer to the registration form for conference and workshop fees. You'll save \$100 off full conference registration if you register by August 16!

2. Hotel Reservations

Reserve your hotel on-line when you register at www.npra.org and receive an immediate acknowledgement of your reservation. Or, fill in the appropriate space on the enclosed registration form. Hotel reservation requests will be processed in the order received by the NPRA. Get immediate acknowledgement on-line but allow 3 weeks if submitted to NPRA. The hotel requires a deposit equal to one night room rental plus tax to guarantee your room. This is refundable if notice is received at least seventy-two (72) hours prior to your arrival and a cancellation number is obtained. The credit card will be charged the first nights deposit as soon as NPRA turns the rooming list over to the Westin in mid-August.

August 16, 2006, is the cut-off date for making hotel reservations, cancellations or substitutions through NPRA or on-line. Beginning August 21, reservations, substitutions, or cancellations must be made through the hotel directly.

3. Spouse Registration

For just \$50, your spouse can join you at the Welcome Reception as well as the included business sessions.

4. Payment

Pay by credit card, check or wire transfer. If you register on-line but wish to pay by check or wire please be sure to include your system ID# and name with payment.

5. Confirmation

Your registration will be confirmed via e-mail if you provided us your email address. Otherwise, your confirmation will be sent via U.S. mail.

Cancellation Policy:

Registration substitution/cancellations may be faxed to 202.835.0467 or e-mailed to ENV@npra.org. Substitute conference registrations may be made in advance or on arrival with no penalty. Cancellations may be made by August 16, 2006 with no penalty. Written cancellations postmarked, faxed, or emailed between August 17 and September 1, 2006 will receive a refund of fees, less a \$50 processing fee. No refunds after September 1, 2006. No telephone cancellations.

Fee Policy:

Eligibility for member rates is based on membership information currently on file with NPRA. If your company is not currently a member, the non-member fees will be charged to your credit card.

Registration Policy:

Those who are present at the site of an NPRA meeting and/or occupy a hotel room in the NPRA room block to conduct business with industry personnel gathered for that meeting are expected to register for that meeting and pay the registration fee, whether or not they attend a specific function.

Spouse / Guest Policy:

A guest is a spouse/significant other, friend or an adult child (18 years old or older) who is not in an industry-related occupation. A co-worker, an associate or spouse who works within the industry may not use the Spouse/Guest Registration category.

Step 1: Attendee Profile

Please fill out completely. Badges will be printed from this information.

Name

Title

Company

Address

Address

City State Zip Country

Phone (Area/Country/City Code) Fax (Area/Country/City Code)

E-mail

This is not a permanent address change.

Spouse/Guest Name* (if attending)

Check here if you require special needs.
Please attach a description of your needs.

Step 2: Meeting Registration

Full Conference	By August 16	After August 16
<input type="checkbox"/> Member	\$ 400 _____	\$ 500 _____
<input type="checkbox"/> Non-Member	\$ 795 _____	\$ 895 _____
<input type="checkbox"/> Spouse / Guest	\$ 50 _____	\$ 50 _____

**The SSMMU Workshop
September 17**

(Must be registered for the conference to attend)

<input type="checkbox"/> Member	\$ 75 _____	\$ 125 _____
<input type="checkbox"/> Non-Member	\$ 145 _____	\$ 195 _____

Total Amount Due _____

Name of Member Company
Not sure if your company is a member? [Click here.](#)

Register by Fax:

Return your form by fax
with credit card information
to 202.835.0467

Register by Mail:

NPRA
1899 L Street, NW
Suite 1000
Washington, DC 20036

Step 3: Payment Information

Payments to NPRA are not deductible as charitable contributions for federal income tax purposes. However, they may be deductible under other provisions of the Internal Revenue Code.

- Check Enclosed (US Dollars only)
- Bank Transfer: Sun Trust Banks, Inc., Washington, DC
Routing #061000104 • Acct #206887906
SWIFT Code – SNTRUS3A
(Please include registrant's name.)
- Credit Card
- VISA MasterCard American Express

Credit Card Number

Exp. Date

Name of person on card (Please print)

Signature (Required; authorizing charge & acknowledging cancellation/refund, fee, registration, & spouse policies)

Step 4: Hotel Reservations

Hotel Reservation requests must be accompanied by paid conference registration to be processed. Room Rate is \$189 single/double occupancy at the Westin Riverwalk Hotel, 420 Market Street, San Antonio, Texas.

Arrival Date

Departure Date

If no dates are indicated, we will assign arrival Sunday, September 17 and departure Tuesday, September 19.

Room Type: One Bed Two Beds

Number of People in Room: _____

Special Requests: Smoking Non-smoking
 Disability Other

Room Guarantee: AMEX VISA
 MasterCard Discover
 Diners

Credit Card Number

Exp. Date

Signature

Register on-line to receive immediate acknowledgement of hotel. August 16th is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning August 21, 2006.