

September 23-25, 2007

2007 Environmental Conference: Advance Program

Renaissance Austin Hotel
Austin, Texas



2007 Environmental Conference: Advance Program

The NPRA Environmental Conference focuses on environmental regulatory and policy issues at the facility level. The sessions are designed to address the impacts of various environmental regulations on refineries and petrochemical operations and to provide compliance solutions and procedures for facilities. More than 350 environmental representatives from refinery and petrochemical plants and service organizations attend, providing an excellent opportunity to network with peers, sharing similar problems and challenges in the refining and petrochemical industries.

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.

NPRA Workshop: Greenhouse Gas Management within the Refining Industry

Greenhouse Gas (GHG) emissions have emerged as one of the "hot topics" related to air quality in the United States. Regulations such as California's AB-32 and regional GHG initiatives like the Western Regional Climate Action Initiative and the Eastern Climate Registry have recently prompted attention. There is little doubt

that the petroleum refining and petrochemical sectors will be affected by these new regulations and initiatives, as well as those still to come. Therefore, many oil and petrochemical companies are addressing the impending GHG issues ahead of the curve. Due to the timely nature of the topic and the rapidly-changing GHG landscape, this workshop topic is designed to serve as an informative update as well as explore some of the basic tenets in inventory development. Additionally, industry peers from Marathon Oil Corporation and Sunoco, Inc. will share their case studies related to their company's GHG inventory development. The workshop objectives are to provide attendees with:

- The status of the current GHG initiatives from the regulatory, regional, state, and voluntary levels, including the development of the "Refinery Protocol" in California
- Usable "take-away" information that can be used in developing their own credible GHG inventories
- Refinery case studies from industry peers, focused on inventory development, the "business case", and realizing GHG reductions through efficiency improvements
- Two informative panel sessions to provide for Questions and Answers

Conference Co-Chairs:

David Pavlich, Giant Industries, Inc.

Vic Carlstrom, Exxon Mobil Corporation

Sunday, September 23, 2007

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

1:00 pm – 5:00 pm NPRA Workshop:
Greenhouse Gas Management within the Refining Industry
Coordinated by Trihydro Corporation and URS Corporation

*See registration form for fees.
You must be signed up for the conference to attend workshop.*

Monday, September 24, 2007

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

8:00 am – 8:45 am Keynote Session

8:45 am – 10:00 pm Technology Session & Panel

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 – 2:30 pm Public Outreach Issues

2:30 pm – 4:00 pm LNAPL Panel

4:00 pm – 5:30 pm Technical Poster Session and Reception

Tuesday, September 25, 2007

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

8:00 am – 10:00 am Ongoing Compliance Issues

10:00 am – 10:30 am Coffee Break

10:30 am – 12:00 pm Climate Change Panel

12:00 pm – 1:30 pm Lunch

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

Workshop

**Greenhouse Gas Management within the Refining Industry
Coordinated by Trihydro Corporation and URS Corporation**

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

1:00 pm – 2:45 pm

Welcome and Introductions

**Overview of the Latest Development
in the U.S. / Regional / State
Regulatory and Voluntary Initiatives**

James A. Holtkamp, Holland & Hart

**Trihydro and URS – The Building
Blocks of GHG Emissions Inventories**

Topics for specific Q&As will include,
but may not be limited to:

- Defining Scopes of a GHG Inventory (organizational and operational boundaries)
- Development of a Base Year for GHG inventory
- Acquisitions and Divestitures
- Normalization of Emissions (i.e. Comparability analysis)
- Emissions Reporting Options
- Uncertainty discussion

Terri Shires (URS), Julie Chiaravalli (Trihydro) and/or Lisa Campbell (URS), and/or Meredith Knauf (Trihydro)

California Climate Action Registry (CCAR) – Progress on the Refinery Protocol and AB-32 Developments in California

Mike McCormick, CCAR

DOE 1605b Voluntary Reporting Program

DOE representatives
(contact in progress)

Panel Question and Answer Period

Shires, Campbell, Chiaravalli, Knauf, Holtkamp, McCormick, DOE representative

2:45 pm – 3:00 pm

Break

3:00 pm – 5:00 pm

Introduction to Afternoon Session

Timothy Juliani, PEW Center on Global Climate Change

Case Study #1:

Sunoco, Inc.

Suggested focus on the Business Case (Shareholder/CEO involvement) for GHG Inventorying, Reporting, and making Reductions

Carolyn Green, Vice President, HES Regulatory Affairs

Case Study #2:

Marathon Oil Corporation

Suggested focus on the Scopes of the GHG Inventories for Marathon and Efficiency Improvements/GHG Reductions

Kimber Hamilton, HES Professional Corporate Environment, Safety and Security

Panel Question and Answer Period

Hamilton, Green, Juliani

Closing Remarks

8:00 am – 8:45 am

Keynote Address

Jeff Holmstead, Bracewell, Guiliani
Former Assistant Administrator,
Air and Radiation, Environmental
Protection Agency (invited)

8:45 am – 10:00 am

Technology Session & Panel

**Report on Initial Operation of the
World's First FCCU Application of the
LOTOX Technology at a Texas Refinery**

Nicholas Confuorto, Belco Technologies
Corporation

**Understanding and Living with
Internal Combustion Engine Rules
from an Industry Perspective**

Steven Johnson, ConocoPhillips
Kelly Bradberry, Sage Environmental
Consulting, L.P.

**Results of a Plant Monitoring Program
to Support Rule Making to Allow
Smart LDAR in Louisiana**

Wayne Sadik, ExxonMobil Chemical Co.
Yousheng Zeng, Providence Engineering

10:30 am – 12:00 pm

Compliance Assurance

**Title V Compliance –
Approaching Zero Deviations**

Gail Braden, Dixon Environmental

**Handling EMIS Change for
Compliance Assurance**

Wade Carter, Data Systems & Solutions
Patricia Johnson, Sunoco, Inc.

**Utilizing Technology to Solve
Compliance Data Management Issues**

Jaklyn McDonald, Valero Energy Corp.
Jason Beebe, Trinity Consultants, Inc.

Keys to Sustainable Compliance

Daniel Reinke, Environmental Resources
Management

12:00 pm – 1:30 pm

Lunch with Speaker

1:30 pm – 2:30 pm

Public Outreach Issues

**An Examination of Increased Public
Scrutiny of Title V / PSD Projects**

Karl Duckworth, URS Corporation
Ashok Patel, URS Corporation

**Profile of Refinery Class Action,
Based on Clean Air Violations,
and an Aggressive Citizen Suit**

Louis Tosi, Shumaker, Loop
Ken Weiss, Environmental Resources
Management

**EPA's National Performance Track at
Marathon Petroleum Company**

Kelly Young, ENVIRON International Corp.
Wally Dows, III, Marathon Petroleum
Company, Louisiana Refining Division

2:30 pm – 4:00 pm

LNAPL Panel

**LNAPL Remediation –
When is Enough, Enough?**

Robert Sherrill, P.E., RMT, Inc.
Katie Kaighin, RMT, Inc.

**Optimizing LNAPL Remediation
at a Former Oil Terminal**

Patrick Madden, P.E., URS Corporation
Jeffery Hansen, P.H., URS Corporation

**Case Study of Accelerated Remedial
Approach to Ultimately Achieve
Corrective Action Goals**

James Fenstermacher, URS Corporation
Bruce Cushing, URS Corporation

**Environmental Activities in
Support of Refinery Expansion**

Faheem Kazimi, PRSI
Michael Holder, TRC

4:00 pm – 5:30 pm

Poster Session

Lessons Learned From an Alternative Energy Manufacturing Plant Life Cycle Assessment and Potential Implications for Refineries

John Beath, Environmental Resources Management
James Onslow, BP Solar

Design, Operation and Performance of A Wet Scrubbing System for the Removal of Particulate, SO_x and NO_x from FCCU Regenerator Flue Gas – A Case History

Edwin Weaver, Belco Technologies Corp.
Tim Yearous, Valero Refining Company

FTIR and Advanced Gas Emissions Detection Techniques: They're Not Just for Breakfast (or Low-Level Emissions) Anymore

Michael Krall, TRC Environmental Corp.

New Generation Wet Electrostatic Precipitators

Hardik Shah, Southern Environmental, Inc.

Air Ionization Technology – Destroying Air Emissions and Odors

Gail Braden, Dixon Environmental
Dennis Tulenko, Trans-Tech Energy and Environmental, Inc.

Waste Treatment Processes with Simultaneous Resource Recovery

Basu Somnath, Camp Dresser & McKee

Treatment of Groundwater Contaminated with MTBE, TBA, and Benzene with an Underground Bioreactor

Ian Lo, CDM Inc.
Brent Archibald, ExxonMobil

Practical Experience with the New LNAPL Management Paradigm

Brian Smith, Trihydro Corporation
Ali Tavelli, Trihydro Corporation

Wireless Sensors Identify Leak Sources With Economical Continuous Monitoring

Wallace Lueders, Accutech, A Division of Adaptive Instruments (invited)

Infrared Spectroscopy and SMARTIR Optical Monitoring System for the Method 21 Alternative

Brent Pruet, IPREMS

Determining Mixed Stream Response Factor Corrections for LDAR Screening Programs

David Oldaker, RMT, Inc.

Disposal of Spent Caustic at the Repsol YPF Refinery in La Pampilla, Peru

Clay Maugans, Siemens Water Technologies
Felix Huaman, Repsol YPF

Maximizing LNAPL Recovery Using Automation and Information Technology

Bill Musser, P.E., Environmental Data Solutions Group, LLC (EDSG)
Karyn Igar, P.E., Environmental Data Solutions Group, LLC (EDSG)

8:00 am – 10:00 am

Ongoing Compliance Issues

**Consent Decree Elective Audits:
NSPS QQQ and Refinery MACT I**

Justin Stubbe, Valero Energy Corporation

**Consent Decree Leak Detection and
Repair (LDAR) Audits**

Chris Abshire, Valero Energy Corporation

**Lessons Learned During
Implementation of a
CEMS Data Handling System &
Real-Time Emissions Calculator
at a Large Refinery**

*Jeffery Schweitzer, CITGO Petroleum
Corporation (invited)
David Monfore, SAGE Environmental
Consulting*

**Texas MSS Permit –
A Bright Light out of a Mess**

*Grant Smedley, Trinity Consultants
Sue Sung, Trinity Consultants*

**Challenges in Monitoring Total Sulfur
Content in Refinery Fuel Gases –
A Case Study**

*Yousheng Zeng, Providence Engineering
and Environmental Group LLC (invited)
Paul Hollis, Providence Engineering and
Environmental Group LLC*

TRI Lessons Learned

*Terry Soule, Sunoco Chemical
Kevin Winston, Sunoco Inc.*

10:30 am – 12:00 pm

Climate Change Panel

**Key Impacts and Strategies in a
Carbon Cap-and-Trade**

Steve McMillen, Baker Botts

**The Storm of Climate Change: When
Will it Hit and What Will it Look Like?**

*LeAnn Johnson-Koch, DLA Piper US LLP
(invited)
Catherine Campbell, DLA Piper US LLP*

California Assembly Bill 32

Cathy Reheis, WSPA (invited)

12:00 pm – 1:30 pm

Lunch with Speaker

**Dealing with an Aging Work Force –
What are We Going to do When the
Baby Boom Retires?**

Geoffrey Swett, ARCADIS

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 workshop Greenhouse Gas Management (GHG) within the Refining Industry 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 24.

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. All reservations must be guaranteed with a major credit card. In the event that a guest room must be canceled, it must be done so 48 hours prior to arrival to avoid billing for first night's room and tax. Any cancellations or no shows without a 48-hour advance notice will result in billing for first night's room and tax.

Check out time is 1:00 pm at Renaissance Hotels. Rooms may not be ready for occupancy until 3:00 pm on the day of arrival. Please contact the bellstand to store luggage where appropriate.

August 24, 2007, is the cut-off date for making hotel reservations, cancellations or substitutions through NPRA or on-line. Beginning September 1 reservations, substitutions, or cancellations must be made through the hotel directly.

3. Spouse Registration

For just \$50, your spouse can join you at the Poster Session 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 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 24, 2007 with no penalty. Written cancellations postmarked, faxed, or emailed between August 25 and September 7, 2007 will receive a refund of fees, less a \$50 processing fee. No refunds after September 7, 2007. 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

Conference	By August 24	After August 24
<input type="checkbox"/> Member	\$ 400 _____	\$ 500 _____
<input type="checkbox"/> Non-Member	\$ 795 _____	\$ 895 _____
<input type="checkbox"/> Spouse / Guest	\$ 50 _____	\$ 50 _____

**The Workshop
September 23**

(Must be registered for the conference to attend)

<input type="checkbox"/> Member	\$ 100 _____	\$ 150 _____
<input type="checkbox"/> Non-Member	\$ 170 _____	\$ 220 _____

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 \$169 single/double occupancy at the Renaissance Austin Hotel, 9721 Arboretum Boulevard, Austin, Texas.

Arrival Date _____

Departure Date _____

If no dates are indicated, we will assign arrival Sunday, September 23 and departure Tuesday, September 25.

Room Type: One Bed Two Beds

Number of People in Room: _____

Special Requests: 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 24th is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning September 1, 2007.