

# ENVIRONMENTAL



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**AFPM**

American  
Fuel & Petrochemical  
Manufacturers

2014 Environmental Conference

[Advance Program &  
Registration Form](#)

Marriott Rivercenter  
San Antonio, Texas  
October 19 – 21, 2014

The AFPM 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.

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## **SPONSORS**

AFPM thanks our sponsor:  
**Barr Engineering**  
*Poster Session Reception*

## **SCHEDULE OF EVENTS**

### **Sunday**

**October 19, 2014**

12:00 pm – 5:30 pm	Registration / Badge Pick-up
1:00 pm – 5:30 pm	Workshop

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### **Monday**

**October 20, 2014**

7:00 am – 5:30 pm	Registration / Badge Pick-up
7:00 am – 8:00 am	Early Bird Coffee & Rolls
8:00 am – 8:45 am	Keynote Address
8:45 am – 10:00 am	Session I: Water Topics and Issues
10:00 am – 10:15 am	Coffee Break
10:15 am – 12:00 pm	Session II: Greenhouse Gas Management and Issues
12:00 pm – 1:30 pm	Luncheon with Speaker
1:30 pm – 3:00 pm	Session III: Emission Estimation / Inventory / Other
3:00 pm – 3:15 pm	Coffee Break
3:15 pm – 4:30 pm	Session IV: Enforcement Initiatives
4:30 pm – 6:00 pm	Technical Posters & Reception

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### **Tuesday**

**October 21, 2014**

7:30 am – 2:00 pm	Registration / Badge Pick-up
7:30 am – 8:00 am	Early Bird Coffee & Rolls
8:00 am – 10:00 am	Session V: NAAQS Implementation / Permitting
10:00 am – 10:15 am	Coffee Break
10:15 am – 12:00 pm	Session VI: Flare Management / Regulatory Compliance
12:00 pm – 1:30 pm	Luncheon with Speaker
1:30 pm – 3:00 pm	Session VII: Refinery Risk and Technology Rule and ICR Results

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1:00 pm – 5:30 pm

**Environmental Workshop**

The May 15, 2014 proposed Risk and Technology Review (RTR) rule for the Petroleum Refining sector will drive significant new requirements for the 142 refineries subject to these rules. The new requirements include: work practice standards for delayed cokers; flare efficiency requirements; mandatory fence-line monitoring and online data reporting for benzene; controls for smaller tanks; a prohibition of venting of HAPs from atmospheric relief valves; and some unexpected surprises such as root cause analyses for fence-line monitoring exceedances. In an interactive series of panel discussions, attendees will gain critical understanding of the nuances and complexities in this rule to support the planning process that will be getting underway in October.

8:45 am – 10:00 am

**Water Topics and Issues**

**Source Elimination of Mercury-Containing Materials – BP Whiting's Purchasing Program Implementation to Improve Wastewater Quality**

*Rosalie Herrera*, BP Products,  
North America  
*Tom Smith*, Sage Environmental  
Consulting

**EPA and Army Corps of Engineers Expand Protection of Streams and Wetlands**

*Aaron Maier*, Trihydro Corporation

**Update on EPA's 316b Rule**

*Greg Seegert*, EA Engineering,  
Science & Technology

10:15 am – 12:00 pm

**Greenhouse Gas Management and Issues**

**Boiler MACT Energy Assessments at Refineries: A Case Study**

*Jacob Fournier*, Marathon Petroleum  
*Jose Orsini*, Trinity Consultants

**Carbon Sequestration – The Technical & Economic Infeasibility of Deep Well Injection of CO<sub>2</sub>**

*John Joyce*, Sage Environmental  
Consulting

**GHG RACT for Washington Refineries**

*Maren Seibold*, Trinity Consultants  
*Matt Cohen*, Stoel Rives LLP

**Trends in Greenhouse Gas PSD Permitting**

*Zachary Craft* and *Matt Kuryla*,  
Baker Botts L.L.P.

12:00 pm – 1:30 pm

**Luncheon with Speaker**

**Coming Soon to a Refinery Near You – The Social Cost of Carbon**  
*Ron Crum*, URS Corporation

1:30 pm – 3:00 pm

**Emission Estimation / Inventory / Other**

**Refinery Emission Metrics**

*Jess McAngus*, Spirit Environmental

**Predicting VOC Emissions from Refinery Wastewater Systems – Water 9 vs. ToxChem**

*John Joyce*, Sage Environmental  
Consulting

**Effective Stakeholder Engagement to Support Critical Capital Projects and Complex Technical Data**

*Rob Gronewold*, ERM

3:15 pm – 4:30 pm

**Enforcement Initiatives**

**15 Years of the EPA Risk Management Program Rule: A Review of Enforcement and Compliance Management Issues at Refineries and Petrochemical Facilities**

*Joel Trinkle* and *Evan Hunter*,  
Barr Engineering Company

**Gone Are The Days of the SSM Exemption**

*Alexandra Bromer*, Perkins Coie

**The General Duty Clause: It's Not Just For Accidents Anymore**

*LeAnn Johnson Koch*, Perkins Coie

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4:30 pm – 6:00 pm

**Poster Session & Reception**

**Alternative Control Systems  
to Reduce Flare Use During  
Turnaround and Unit Deinventory**

*Sean Kirkpatrick, Vapor Point, LLC*

**Status of State NAPL Closure  
Guidance and Basic Lines of Evidence  
to Demonstrate NAPL Plume Stability**

*Trevre Andrews, CH2M Hill*

**Designing Stormwater Systems That  
Optimize ROI And Minimize Risk**

*Joseph Guida, Fluor*

*Tamin Popalzai, WorleyParsons*

**It's Alive! That Heated Tank  
May Still Be Breathing**

*Robert Andries and Maria Anker,  
Sage Environmental Consulting*

**Optimizing Dissolved Air Flotation  
Unit Performance in Refinery  
Wastewater for Enhanced Oil,  
Grease, and TSS Removal**

*John Joyce, Sage Environmental  
Consulting*

**Scrubbing High Concentration  
H<sub>2</sub>s Gas Vent Streams**

*Steven Meyer, MECS*

**Solutions for Managing the Impact  
of Subpart Ja for Flare Systems**

*Trevor Leagas and Brian Blackwell,  
Zeeco, Inc.*

**Applying Dynamic Process Simulation  
Toward Flaring Reduction**

*Christopher Ng, Siemens Energy*

**Meeting NAAQS Standards While  
Improving Performance Efficiency**

*Roberto Ruiz, ClearSign Combustion  
Corporation*

**Was Ist DAHS, Ja?**

*Donald Pretty, Babcock & Wilcox*

**Achieving Ultra-Low SO<sub>2</sub> Emissions  
from Sulfur Recovery Units**

*Steve Meyer, MECS*

**Advances in Biological  
Wastewater Process Control**

*Robin Schroeder, Environmental Business  
Specialists*

**Waste Planning for Spill Response**

*Angie Martin, Heritage Environmental  
Services*

**TUESDAY**  
**OCTOBER 21, 2014**

8:00 am – 10:00 am

**NAAQS Implementation/Permitting**

**Strategic Implications of Ozone NAAQS  
Developments on PSD Permitting**

*John Colebrook and Anna Henolson,  
Trinity Consultants*

**Air Quality Permitting Using EPA's  
PM<sub>2.5</sub> Modeling Guidance**

*Jeffrey Bennett, Barr Engineering*

**Dealing with the SO<sub>2</sub> NAAQS  
Data Requirements Rule:  
Challenges and Options**

*Robert Paine, AECOM*

**Reducing Compliance Risk for  
Dilute VOC Control Operation  
in Plastics Production**

*Thomas Wauhob, Sage  
Environmental Consulting*

**NSR Permitting of Coke Drum  
Steam Vents at Delayed Cokers**

*Joe Ibanez, TRICORD Consulting, LLC*

10:15 am – 12:00 pm

**Flare Management/  
Regulatory Compliance**

**NSPS Subpart Ja Flare  
Management Plan – Plan Elements  
and Lessons Learned**

*Meredith Knauf, Trihydro Corporation*

**Complicated Yet Necessary:  
Managing Compliance with the  
Reciprocating Internal Combustion  
Engine (RICE) Rules**

*Gary Russell, Marathon Petroleum  
Company*

**Establishing a Site-Specific  
NOX Emission Limit Under  
NSPS Ja: A Case Study**

*David Wall, Trinity Consultants  
Jacob Fournier, Marathon Petroleum  
Company*

12:00 pm – 1:30 pm

**Luncheon with Speaker  
GHG NSPS**

*Roger Martela, Sidley Austin LLP*

1:30 pm – 3:00 pm

**Refinery Risk and Technology  
Rule and ICR Results**

**Proposed Revisions to Refinery MACT  
(haven't we heard this before?)**

*Robert Ferry, TGB Partnership*

**Overview of Proposed Refinery  
Residual Risk Rule**

*Todd Royer, URS Corporation*

**Overview of Refinery Fenceline  
Monitoring Pilot Project and  
EPA's Proposed Refinery Risk  
and Technology Review Rule**

*Larry Hottenstein, ERM*

### 1. Conference Registration and Tickets

Log on to [AFPM.org](http://AFPM.org) then click "Register Now" or complete the enclosed registration form. Registration includes admission to the Educational Sessions, Luncheons on Monday and Tuesday and the Poster Session & Reception. Refer to the registration form for conference and ticket fees.

### 2. Workshop Registration

Registration must be accompanied by a paid conference registration. Save \$50 off the workshop fees if you register by September 19.

### 3. Hotel Reservations

Reserve your hotel on-line when you register at [www.afpm.org](http://www.afpm.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 AFPM. Get immediate acknowledgement on-line but allow 1 week if submitted to AFPM.

September 19, 2014, is the cut-off date for making hotel reservations, cancellations or substitutions through AFPM or on-line. Beginning September 26 reservations, substitutions, or cancellations must be made through the hotel directly.

Be sure to register and reserve your room through AFPM by September 19. Those registering after the room block has closed will not qualify for the \$200 registration discount.

#### Hotel Cancellation Policy:

A major credit card is required to guarantee your reservation. Cancellation must be received by the Hotel at least 48 hours prior to arrival to avoid being charged for the first night's room and tax.

### 4. Spouse Registration

For just \$100, your spouse can join you at the Poster Session Reception as well as the included business sessions.

### 5. Payment

Pay by credit card. AFPM accepts Visa, MasterCard or American Express.

### 6. Travel

AVIS is the official rental car agency for the ENV. Call 800.331.1600 and refer to AWD#:B761300 to receive discounted rates.

### 7. 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.

### 8. Sponsorships

Sponsorship opportunities are available. Contact Colleen Van Gieson at 202.457.0480 or email at [cvangieson@afpm.org](mailto:cvangieson@afpm.org).

### 9. Attire

Business Casual (No tie; jacket optional)

#### Cancellation Policy:

Registration cancellations may be made on-line or submitted in writing, faxed to 202.835.0467 or e-mailed to [ENV@afpm.org](mailto:ENV@afpm.org). Substitute conference registrations may be made in advance or on arrival with no penalty. Substitutions must be submitted in writing to [ENV@afpm.org](mailto:ENV@afpm.org).

Cancellations may be made by September 19, 2014 with no penalty. Written cancellations postmarked, faxed, or emailed between September 20 and October 3, 2014 will receive a refund of fees, less a \$50 processing fee. No refunds after October 3, 2014. No telephone cancellations.

#### Fee Policy:

Eligibility for rates:

*Member Fee* – The member rate is based on membership information currently on file with AFPM. If your company is not currently a member, the non-member fees will be charged to your credit card.

*Local Fee* – Eligibility for the local fee is limited to those who will be commuting from home to the conference each day.

#### Registration Policy:

Those who are present at the site of an AFPM meeting and/or occupy a hotel room in the AFPM 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.

#### Photo Release:

By registering for this conference, I hereby grant AFPM, its licensees and assigns, the right to use my name, biographic material, as well as, photos, or videos taken of me during the conference in news media, websites, publications, programs, articles, and/or marketing materials.

### **Ethical Responsibility and Professional and Personal Conduct Code**

The American Fuel & Petrochemical Manufacturers ("AFPM") has adopted the following "Ethical Responsibility and Professional and Personal Conduct Code" (hereinafter, "the Code"). Every member of AFPM, their designated representatives, and non-member attendees at all AFPM meetings and forums agree to abide by the Code as a condition of membership in AFPM and attendance and participation at AFPM meetings and forums.

The Code requires the following of all individuals attending AFPM meetings and forums:

- Adherence to the AFPM bylaws and the AFPM policies and procedures, as adopted by AFPM's Board of Directors.
- Strict compliance with federal antitrust laws.
- Adherence to all applicable federal and state laws.
- Maintenance of the highest level of professional and personal ethical behavior while attending AFPM meetings and forums.
- Prevention of certain behaviors, including harassment, violence, intimidation and discrimination of any kind involving race, color, religion, national origin, gender, sexual orientation, age, disability or, where applicable, veteran or marital status.

- Assurance that conduct at all times and in all professional and personal dealings with each other and other attendees is with the highest level of integrity and courtesy.
- Sharing of knowledge and expertise as speakers at AFPM educational events and sessions whenever practicable, without soliciting or explicitly promoting their own organization's products or services.
- Working to instill public and consumer confidence in the petrochemical and refining industries, its member companies, and its professionals, avoiding any action conducive to discrediting members of AFPM.
- Refraining from scheduling general attendance meetings, receptions or other events at times that conflict with substantive programming or social events at AFPM meetings without express written permission of AFPM.

Failure to abide by the Code may result, for the first offense, in informal censure of a company or individual by the AFPM Executive Committee. If violations of the Code continue after such an informal censure, a company may be subject to expulsion from AFPM, or an individual to exclusion from participation in AFPM activities, by the Board of Directors.

### **Entertainment Policy**

We ask your cooperation in observing Association policy on activities held in conjunction with any AFPM meeting:

- Meetings or social activities should not be scheduled that take registrants away from AFPM programs and AFPM-sponsored activities;
- Any company sponsoring a function to which 25 or more people are invited should outline its plans for advance approval by AFPM. In general, such functions will be approved if they do not unduly take registrants away from AFPM-sponsored activities;
- All representatives of companies sponsoring hospitality activities are expected to register for the meeting;
- Hospitality suites are expected to close by 1:00 am.;
- Food, beverage and service personnel (bartenders, hostesses, etc.) must be obtained through the hotel catering department;
- Suite promotional activities are to avoid the use of elaborate entertainment, expensive door prizes, suite attendance solicitation by individuals who are not full-time employees of the sponsoring company, or other similar activities.

## REGISTRATION FORM: ENV14

Register on-line [here](#).

Register by September 19th – Save \$100.

Save \$200 on full registration by reserving a room in the AFPM room block.

### Step 1: Attendee Profile

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

Name

Title

Company

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 any special services.  
Please attach a description of your needs.

### Step 2: Meeting Registration

**SAVE \$200 OFF FEES BELOW BY  
BOOKING A ROOM THROUGH AFPM.**

	By Sept 19	After Sept 19
<input type="checkbox"/> Member	\$ 800	\$ 900
<input type="checkbox"/> Non-Member	\$1350	\$1450
<input type="checkbox"/> Spouse/Guest	\$ 100	\$ 100

#### Sunday 10/19 – Workshop

<input type="checkbox"/> Member	\$ 200	\$ 250
<input type="checkbox"/> Non-Member	\$ 345	\$ 395

**Total Amount Due**

Name of Member Company

Not sure if your company is a member? Go to [www.afpm.org](http://www.afpm.org)

### Step 3: Payment Information

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

☐ VISA ☐ MasterCard ☐ American Express

Credit Card Number

Exp. Date

Name on card (Please print)

Billing Address

City

State

Zip

Country

Signature (Required, authorizing charge & acknowledging cancellation/refund, fee, registration, spouse policies, and ethics code.) Click [here](#) to review AFPM policies.

### Step 4: Hotel Reservation

Hotel Reservation requests must be accompanied by paid conference registration to be processed. Room Rate is \$189 Single/Double Occupancy at the San Antonio Marriott Rivercenter, 101 Bowie Street, San Antonio, TX 78205.

Arrival Date

Departure Date

If no dates are indicated, we will assign arrival Sunday, October 19 and departure Tuesday, October 21.

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

Frequent Guest Number

Register on-line to receive immediate acknowledgement of hotel. September 19th is the final cut-off date to reserve a room request. Contact the hotel directly with changes or cancellations beginning September 26, 2014.

#### Register by Fax:

Register by fax with credit card information to 202.835.0467.

#### Register by Mail:

AFPM  
1667 K Street, NW  
Suite 700  
Washington, DC 20006