

**ENVIRONMENTAL  
CONFERENCE**

MARRIOTT NEW ORLEANS  
OCTOBER 16 – 18, 2016

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**AFPM**

**2016**

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 for facilities. More than 350 environmental representatives from refinery and petrochemical plants and service organizations attend, providing an excellent opportunity to network with peers who share similar problems, challenges, and opportunities in the refining and petrochemical industries.

**SCHEDULE OF EVENTS**

**Sunday**

12:00 pm – 5:30 pm  
 1:00 pm – 5:30 pm

**October 16, 2016**

Registration / Badge Pick-up  
 Workshop  
*This event is open to Conference Registrants Only. A separate registration fee is required to attend.*

**Monday**

7:00 am – 5:30 pm  
 7:30 am – 8:00 am  
 8:00 am – 9:00 am  
 9:00 am – 10:15 am  
 10:15 am – 10:30 am  
 10:30 am – 12:00 pm  
 12:00 pm – 1:30 pm  
 1:30 pm – 3:00 pm  
 3:00 pm – 3:15 pm  
 3:15 pm – 4:30 pm  
 4:30 pm – 6:00 pm

**October 17, 2016**

Registration  
 Early Coffee & Rolls  
 Welcome / Keynote Address  
 General Duty / Environmental Justice / NGO Activism / Community-Stakeholder Engagement Session  
 Coffee Break  
 NAAQS Implementation Session  
 Luncheon with Speaker  
 Water Topics and Issues / RCRA / Remediation Session  
 Coffee Break  
 Emission Credits / Greenhouse Gas Management and Issues Session  
 Technical Poster Session & Reception

**Tuesday**

7:30 am – 8:00 am  
 7:30 am – 2:00 pm  
 8:00 am – 9:30 am  
 9:30 am – 10:00 am  
 10:00 am – 12:00 pm  
 12:00 pm – 1:30 pm  
 1:30 pm – 3:00 pm

**October 18, 2016**

Early Coffee & Rolls  
 Registration  
 Other Issues Session  
 Coffee Break  
 Concurrent Sessions  
 • Ethylene Residual Risk Session  
 • Refinery Risk and Technology Rule and ICR Results Session  
 Luncheon with Speaker  
 Flare Management Session

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**Conference Support**

**Barr Engineering**

*Poster Session Reception*

**Ramboll Environ**

*Monday Afternoon Networking Break*

**Tricord Consulting**

*Hotel Room Drop*

**Trihydro Corporation**

*Hotel Room Drop*

**Trinity Consultants**

*Conference Bags*

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1:00 pm – 5:30 pm

**Workshop: Next Generation Capital Project Permitting Strategies and Navigating Public Approval for Upgrade and Distribution Projects**

*Facilitated by ERM*

Under an increasingly challenging regulatory framework and adversarial social climate, obtaining the necessary environmental authorizations for capital projects has become more complex, presenting significant risks related to project costs and schedule. This workshop will provide an exploration of the strategies that can be used to increase speed to market, reduce capital risks, and boost the economic viability of projects. Using various expert perspectives (technical, legal, policy, regulatory, public affairs, etc.) and interactive discussion, the workshop agenda is designed to present solutions and help the audience see the road ahead more clearly. ERM's facilitation of the workshop will particularly focus on extracting lessons learned from permitting of projects across the country and how those lessons can be applied to effectively manage capital project permitting in the future.

8:00 am – 9:00 am

**Welcome**

**Keynote Address**

*John Avers, Turner, Mason & Company*

9:00 am – 10:15 am

**General Duty / Environmental Justice / NGO Activism / Community-Stakeholder Engagement**

**Environmental Justice Trends: Managing Risks to Refineries**

*Kristina Mitchell, ERM*

*Kevin McGee, CITGO Petroleum Corporation*

**Double Trouble: An Update on General Duty Obligations**

*Paul Seals and Jean Flores,*

*Guida, Slavich & Flores, P.C.*

**Increasing EPA Enforcement Under the CAA GDC and RMP**

*Mark Farley, Katten Muchin Rosenman LLP*

10:30 am – 12:00 pm

**NAAQS Implementation Session**

**EPA Modeling Guideline Changes: Important Updates for the Petroleum Industry**

*Robert Paine, AECOM*

**Identifying the Influence of Exceptional Events and International Transport: An Overview of When and How to Apply Clean Air Act Provisions for Background Ozone**

*Susan Kembball-Cook, Ramboll Environ*

**NSR/PSD Permitting – A View from the Inside**

*Johnny Vermillion and Robert Osborn, Spirit Environmental*

**A Mixed Approach: SO<sub>2</sub> 1-hr NAAQS Implementation in the U.S.**

*Joe Ibanez, TRICORD Consulting, LLC*

12:00 pm – 1:30 pm

**Lunch with Speaker**

**New RMP Risks**

*Justin Savage, Hogan Lovells US LLP*

1:30 pm – 3:00 pm

**Water Topics and Issues / RCRA / Remediation Session**

**Refinery Effluent Guidelines Status**

*Andrew Edwards, Ramboll Environ*

**New EPA Programs to Expedite RCRA Corrective Action**

*Lloyd Dunlap, Trihydro Corporation*

*Tom Rinehart, Chevron Environmental Management Company*

**Technology Tool Box for Integrated Water Management at Petroleum Refineries**

*Jamal Shamas, AECOM*

**Site Remediation MACT**

*Bill Wehrum, Hunton & Williams LLP*

3:15 pm – 4:30 pm

**Emission Credits / Greenhouse Gas Management and Issues Session**

**Air Emission Credit Update: Emerging Strategies**

*Matt Kuryla, Baker Botts L.L.P.*

**Climate Change Regulatory Initiatives in the Pacific Northwest: A Growing Challenge for the Petroleum Industry**

*Matthew Cohen, Stoel Rives LLP*

*Miles Heller, Tesoro Companies, Inc.*

**EPA's Methane Agenda – Will the Oil and Gas NSPS OOOOa Regulation Affect Refining?**

*Jay Christopher, Trihydro Corporation*

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4:30 pm – 6:00 pm

**Technical Poster Session & Reception**

**New Air Monitoring Technologies –  
The Emerging Citizen Science**

*Scott Weaver, ERM*

**Overview of Regional Emissions  
Markets and Pricing**

*Randall Lack and Kyle Brzymialkiewicz,  
Element Markets LLC*

**Sensitivity of EPA 325 to  
Field Handling Protocols**

*Heidi Hayes, Eurofins Air Toxics*

**Hot, Heavy Breathing and  
Other Bad Tank Behavior**

*Tony Shoberg, Barr Engineering  
Company  
Rob Ferry, The TGB Partnership*

**Comparison of MACT CC and NSPS  
Subpart Ja Requirements – Flares**

*Steve Walls, Trihydro Corporation*

**Assessment of Flare Smokeless  
Capacity Estimation Techniques**

*Derek Stuck, Sage ATC Environmental  
Consulting, LLC*

**What Does the New O&G Methane  
NSPS Mean for AFPM Members?**

*Andrew Woerner, ERM*

**Refinery Sector Rule Implementation  
– “Mind the Gap(s)”**

*Jay Christopher, Trihydro Corporation*

**Application of RTR Rule Changes  
to Storage Vessels and Best  
Practices for Implementation**

*Sanjeet Sen, Sage ATC Environmental  
Consulting, LLC*

**U.S. EPA's Compliance and  
Emissions Data Reporting Interface  
(CEDRI): What Can You Expect?**

*Kayla Turney and Kristin Gordon, All4 Inc.*

**An Overview of Hydrogen Cyanide  
Air Emission Test Methods to  
Measure Emissions from Fluidized  
Catalytic Cracking Units**

*Thomas Dunder, TRC Companies*

**Selenium Treatment of Refinery  
Wastewater Effluents Using  
Physical/Chemical and Biological  
Treatment Technologies**

*Karunanidhi Munirathinam, CH2M HILL*

**Above Atmospheric Background**

*Ram Hashmonay, Atmosfir Optics*

**Performance Evaluations of  
Variable Speed Air-Assisted  
Flares Using Passive FTIR**

*Troy Boley, IMACC, LLC*

**Benefits of Using Gas Chromatography  
Coupled with Flame Photometric  
Detection in Place of Wet  
Methods for the Analysis of  
Sulfur Compounds in Flares**

*Rohan Vettiankal, Clean Air Engineering*

8:00 am – 9:30 am  
**Other Issues Session**

**Understanding the Validity and Increased Scrutiny of Data Used for Compliance Purposes**

*Eric Swisher, All4 Inc.*

**Regulatory Update on TSCA Reform**

*Andrew Pawlisz, GHD*

**CERCLA/EPCRA Continuous Release Reporting and Other Strategies for Responding to New Emissions Factors, New Regulations, and Operational Changes**

*Alexandra Bromer, Perkins Coie LLP*

**Have Refinery LDAR Programs Improved in the Era of Consent Decrees? A Historical Look at Over a Decade of LDAR Audit Results**

*Donald Bradley III, ERM*

10:00 am – 12:00 pm  
**Concurrent Sessions**

**Ethylene Residual Risk Session Industry Challenges Dealing with the EPA Ethylene MACT RTR**

*Amy Marshall, AECOM*

**Refinery Fenceline Monitoring Implications for Petrochemical Industry**

*Gary Daves, Providence*

**Avoiding BWON Enforcement from the Recent EMACT Section 114 Request**

*Laura Blohm and Dawn Neal, TRICORD Consulting, LLC*

**Making the Same Mistake Twice - The Use of Inappropriate Methodologies to Generate Ethylene Production ICR Data During Furnace Decoking Operations (see: Refinery ICR Testing on Delayed Coking Unit Vents)**

*Michael Krall, Montrose Air Quality Services*

**Refinery Risk and Technology Rule and ICR Results Session Implementation of a Maintenance Vent Compliance Program**

*Tony Widboom, Barr Engineering Company*

**Sam Spec and the Storage Tank RSR Compliance Caper**

*Robert Ferry, TGB Partnership*

**Real World RSR Implementation: Lessons Learned on Tanks, SRU, Cokers**

*Steve Johnson, Phillips 66 Company  
Kelly Bradberry, TRICORD Consulting, LLC*

**Lessons Learned from Fenceline Monitoring Trial Programs**

*Larry Hottenstein, ERM  
Lester Keel, Tesoro Refining and Marketing Company*

**Finding a Correlation: FCCU Operating Parameters vs HCN Emissions**

*Katie Wiley and Joe Ibanez, TRICORD Consulting, LLC*

12:00 pm – 1:30 pm  
**Lunch with Speaker**

**Cost of Carbon – It's Not Just Social Anymore...**

*Larry Darcey, CITGO Petroleum Corporation*

1:30 pm – 3:00 pm  
**Flare Management Session**

**Automatic Control of Flare Gas Net Heating Value - Implementation and Lessons Learned**

*Patricia Sorensen, ERM*

**Flare Management Plans: Legal Strategies and Compliance Risks Post 11/11/2015**

*LeAnn Johnson Koch, Perkins Coie LLP*

**Cost of Complying with the Flare Monitoring Requirements Under the New Refinery RTR Rule**

*Theron King, Phillips 66 Company*

**Comb 30 & 63: Similar but Not the Same! MACT CC and NSPS Ja**

*Bernd Haneke, Suncor Energy*

**1. Conference Registration**

Log on to [AFPM.org](http://AFPM.org) then click "Register Now" 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. Refer to the registration form for conference fees. You'll save \$100 off full conference registration if you register by September 16.

**2. Workshop Registration**

Registration must accompany a paid conference registration. Save \$50 off the workshop fees if you register by September 16.

**3. Hotel Reservations**

Save an additional \$200 off full conference registration by reserving your room through AFPM. 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. If a reservation is subsequently cancelled, you will be invoiced for the discount that had been applied.

September 16, 2016, is the cut-off date for making hotel reservations, cancellations or substitutions through AFPM or on-line. Beginning September 28 reservations, substitutions, or cancellations must be made through the hotel directly.

*Hotel Cancellation Policy:*

Cancellations must be made 72 hours prior to your arrival date to avoid a cancellation charge. Cancellation made within the 72-hour window will be charged fees equal to one (1) nights stay plus tax.

*Early Departure Fee:*

An early departure fee will be charged if an attendee checks out of the hotel prior to the attendee's scheduled departure date, without having notified the hotel by 12:00 midnight the day after check-in of the change in scheduled departure.

**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.

**8. Sponsorships**

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

**9. Attire**

Business Casual (No tie; jacket optional)

**Cancellation Policy:**

Registration cancellations must be submitted in writing and 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 can be made on-line by the individual who entered the registration or can be submitted in writing to [ENV@afpm.org](mailto:ENV@afpm.org).

Cancellations may be made by September 16, 2016 with no penalty. Written cancellations postmarked, faxed, or emailed between September 17 and September 30, 2016 will receive a refund of fees, less a \$50 processing fee. No refunds after September 30, 2016. 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 discount 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 APFM 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 a 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 a.m.;
- 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: ENV16

## REGISTER ON-LINE AT [WWW.AFPM.ORG](http://WWW.AFPM.ORG)

Register by September 16th – Save \$100.

Save \$200 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 CONFERENCE REGISTRATION FEES  
BY BOOKING A HOTEL ROOM THROUGH AFPM**

	By Sept 16	After Sept 16
<input type="checkbox"/> Member	\$ 900 _____	\$1000 _____
<input type="checkbox"/> Non-Member	\$1500 _____	\$1600 _____
<input type="checkbox"/> Spouse/Guest	\$ 100 _____	\$ 100 _____

#### Sunday 10/16 – Workshop

<input type="checkbox"/> Member	\$ 300 _____	\$ 350 _____
<input type="checkbox"/> Non-Member	\$ 445 _____	\$ 495 _____

#### Total Amount Due

Name of Member Company

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

### 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 & other policies) 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 \$209 Single/Double Occupancy at the New Orleans Marriott, 555 Canal Street New Orleans, LA.

Arrival Date Departure Date

If no dates are indicated, we will assign arrival Sunday, October 16 and departure Tuesday, October 18.

Room Type:       One Bed       Two Beds

Total 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 16th is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning September 28, 2016.

#### 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