

# 25th Environmental Conference

Grand Hyatt  
Denver, Colorado

October 15 – 17, 2017

Advance Program



## FACES OF THE INDUSTRY



American Fuel &  
Petrochemical  
Manufacturers

#ENV17

[afpm.org](http://afpm.org)

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 – 5:00 pm  
1:00 pm – 5:15 pm

**October 15, 2017**

Registration/Badge Pick-up  
  
Workshop: Making the Most of Regulatory Reform  
*This event is open to conference registrants only. A separate registration fee is required for this event.*

**Monday**

7:00 am – 6:00 pm  
7:30 am – 8:00 am  
8:00 am – 8:45 am  
8:45 am – 10:00 am  
10:00 am – 10:20 am  
10:20 am – 12:00 pm  
12:00 pm – 1:30 pm  
1:30 pm – 3:00 pm  
3:00 pm – 3:20 pm  
3:20 pm – 4:30 pm  
4:30 pm – 6:00 pm

**October 16, 2017**

Registration  
Early Coffee & Rolls  
Keynote Address  
Water Issues Session  
Coffee Break  
Air Permitting/NSR/NAAQS Session  
Luncheon with Speaker  
Environmental Justice/NGO Issues Session  
Coffee Break  
Air Permitting Session  
Technical Poster Session & Reception

**Tuesday**

7:30 am – 2:00 pm  
7:30 am – 8:00 am  
8:00 am – 9:45 am  
9:45 am – 10:00 am  
10:00 am – 12:00 pm  
12:00 pm – 1:30 pm  
1:30 pm – 3:00 pm

**October 17, 2017**

Registration  
Early Coffee & Rolls  
TSCA & Remediation Session  
Coffee Break  
RSR Flare Issues Session  
Luncheon with Speaker  
RSR - Fenceline Monitoring Session

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**Conference Support**  
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**Ramboll Environ**  
Monday Networking Breaks

**TRICORD Consulting**  
Hotel Room Drop

**Trihydro Corporation**  
Individual Charging Packs

**Trinity Consultants**  
Conference Bags

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1:00 pm – 5:15 pm

**Making the Most of Regulatory Reform**

Facilitated by ERM

Regulatory reform is the elephant in the room at every environmental gathering. Executive Orders are being signed, stays issued, stays vacated, litigation put on hold, budgets reimagined, compliance deadlines extended, repeal strategies considered, and reform suggestions developed and collected.

Join us for this workshop that will explore the latest trends, strategies, opportunities, and risks related to the regulatory reform changes to come. Using various expert perspectives and interactive discussion, the workshop is designed to present insights, scenarios, strategies, and solutions for the road that lies ahead. The workshop will particularly focus on the concrete actions taken to date that directly affect the refining and petrochemical industries, and will provide strategies for participants to avoid common pitfalls and make the most of the regulatory opportunities at hand.

Agenda coming soon.

8:00 am – 8:45 am

**Keynote Address**

TBD

8:45 am – 10:00 am

**Water Issues**

**Wastewater Operational Parameters to Support Biological Selenium Removal**

*Patrick Hirl, Bryce Jones & Sean O'Mara, Burns & McDonnell*

**Refinery Water Use Study**

*John Beath & Marjorie Boone, John Beath Environmental, LLC*

**CWA Section 308 Survey**

TBD

10:00 am – 10:20 am

Coffee Break

10:20 am – 12:00 pm

**Air Permitting/NSR/NAQS**

**A False Sense of Security – Shifts in EPA's Policy Regarding PSD Demand Growth Exclusion**

*Mike Waller, Ashworth Leininger Group*

**NSR Reform in 2017 – What's Next?**

*Kenneth Weiss, Environmental Resources Management  
William Wehrum, Hunton & Williams LLP*

**PSD Ozone Modeling – What that Means for Refiners**

*Rich Hamel, Environmental Resources Management*

**PM2.5 Modeling Challenges, An Unheralded Project Stopper for Large Refineries**

*Mark Hixson & Anna Henolson, Trinity Consultants*

12:00 pm – 1:30 pm

**Luncheon – California Refinery Issues**

*Cathy Reheis-Boyd, Western States Petroleum Association*

1:30 pm – 3:00 pm

**Environmental Justice/NGO Issues**

**Clean Air Act Citizen Suits and Title V Objections: Cases and Strategies**

*Matthew Kuryla, Baker Botts LLP*

**Preparing Your Community to Fenceline Monitoring Data**

*Toby Hanna, Andrew Woerner & Kristina Mitchell, Environmental Resources Management  
Kristi Moore, Paulsboro Refining Company*

**NGO Activism and Litigation – Expected Trends and Potential Responses**

*Alexandra Magill-Bromer, Perkins Coie*

**Beyond MACT DDDDD: Boiler and Heater Tuning From a Best Management Practices Perspective**

*Kirsten Allen, John Bacon & Riley Gustafson, Sage ATC Environmental Consulting*

3:00 pm – 3:20 pm

Coffee Break

3:20 pm – 4:30 pm

**Air Permitting**

**Flare Minimization – A Report from the San Francisco Bay Area after a Decade of Plan Implementation**

*Lynn McGuire & Sky Bellanca, Environmental Resources Management*

**Refinery Process Stream Composition Data – Update to Speciation Data in API 4723**

*Mary Hess & Andrew Woerner, Environmental Resources Management  
Cathe Kalisz, American Petroleum Institute*

**AP-42 for Storage Tanks is Changing – Does It Matter?**

*Robert Ferry, The TGB Partnership  
Monica Jimenez, Sage ATC Environmental Consulting*

4:30 pm – 6:00 pm

**Technical Posters & Reception**

**Benzene Waste Operations NESHAP  
Compliance using Optical Gas Imaging**

*Erin Novini, Trihydro Corporation*

**Building Out Your Fenceline  
Monitoring Toolkit**

*Andrew Woerner, Hedrick Strickland &  
Larry Hottenstein, ERM*

**Desalter Brine Effluent Pretreatment**

*Rasaan Bines, Michael Sowell &  
John Woodhull, AECOM*

**Finding a Correlation: FCCU  
Operating Parameters vs. HCN  
Emissions – Round 2!**

*Katie Wiley & Joe Ibanez,  
TRICORD Consulting*

**Flameless Thermal Oxidation  
Technology & Operating Experience**

*Asad Azar & Gene Irrgang,  
Linde Engineering North America Inc.*

**Modified vs Affected Facilities  
under Major NSR**

*Zachary Byrd & Robert Osborn,  
Spirit Environmental*

**New Direct Flame Monitoring  
Technology to Help Operators Comply  
with Increasingly Stringent Flaring**

*Rachel Curry & Brian Duck, Zeeco, Inc.*

**Performance Review of Remote  
and Direct Flare Combustion  
Efficiency Monitor**

*Yousheng Zeng & Jon Morris,  
Providence Photonics*

**Practical Approach to Preparing the  
Refinery MACT 1 Flare Management  
Plan and CPMS Monitoring Plan**

*Patricia Sorensen, ERM  
James Pankey, Countrymark Refining &  
Logistics*

**Reality Check: Proof that the  
New AP-42 Flare VOC Emission  
Factor has Technical Flaws**

*Lori Pittman, Trinity Consultants*

**Refinery 1-hour SO<sub>2</sub> NAAQS  
Non-Attainment SIP Air Quality  
Modeling Analysis Case Study**

*Eric Swisher & Kristin Gordon, All4 Inc.*

**Refinery Sector Rule Flare Monitoring**

*Cal Niss, Trihydro Corporation*

**Refrigerant Rule Revisions: Is  
Your Refinery Prepared?**

*Kirk Lowery, Trinity Consultants*

**Wastewater Gathering and Oil  
Separation Design: Optimizing Air  
and Water Quality Performance**

*Patrick Hirl & Blake Soyars,  
Burns & McDonnell*

**8:00 am – 9:45 am  
TSCA & Remediation**

**The New TSCA – An Overview**  
*Warren Lehrenbaum & Amy Symonds,*  
Crowell & Moring LLP

**TSCA Reform –  
The Inventory Reset Rule**  
*Loree Fields & Jeremy Weese,* AECOM  
*Mary Claire Petit,* Valero

**Understanding EPA's Hazardous  
Waste Generator Improvements Rule**  
*Blake Soyars,* Burns & McDonnell  
*Matthew Shanahan,* Burns & McDonnell  
Engineering, Inc.

**Revisions to EPA's RCRA Definition  
of Solid Waste Rule and Post-Closure  
Care Guidance and their Effect**  
*Danny Worrell,* Katten Muchin  
Rosenman LLP

**F037 and Refinery Sewer Inspection  
and Maintenance Programs**  
*Catriona Smith & Kari Means,*  
TRC Solutions

**9:45 am – 10:00 am**  
Coffee Break

**10:00 am – 12:00 pm  
RSR Flare Issues**

**Developing, Implementing, and  
Documenting Data Algorithms  
Required by the Refinery MACT I**  
*Kristin Gordon & Eric Swisher,*  
All4 Inc.

**Key Technical Challenges and  
Approaches to Compliance for the 2019  
Refinery Flare MACT Requirements**  
*Nate Kowalsky & Bill Snellman,*  
Barr Engineering Company

**Flare Management During  
Process Unit Shutdown**  
*Craig Bradley,* Environmental Resources  
Management

**Navigating New Rules for Startup,  
Shutdown and Malfunction Under  
the Refinery Sector Rule**  
*LeAnn Johnson Koch,* Perkins Coie

**Flare Monitoring Scoping for RSR**  
*Patricia Sorensen,* Environmental  
Resources Management  
*Charles Barksdale,* Philadelphia Energy  
Solutions, LLC

**12:00 pm – 1:30 pm**  
**Luncheon**  
Ken Gehring, EPA

**1:30 pm – 3:00 pm  
RSR- Fenceline Monitoring**

**RSR Fenceline Summary**  
*Mike Hopperton,* BP

**Three Year Benzene Pilot Study  
Yields Valuable Data and Solutions**  
*Samantha Henningsen,*  
ALS Environmental  
*Susan Hawkins,* Marathon  
Petroleum Company

**Refinery-wide Maintenance  
Vent Compliance Program  
Development Strategies**  
*Phil Fish & Tony Widboom,*  
Barr Engineering Company

**Fenceline 325/325A Alt Method Update**  
*Derek Reese,* ExxonMobil  
*Chuck Feerick,* Consultant



### 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 8th.

### 2. Workshop Registration

Registration must accompany a paid conference registration. Save \$50 off the workshop fees if you register by September 8th.

### 3. Hotel Reservations

Reserve your hotel online when you register at [AFPM.org](http://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 online but allow 1 week if submitted to AFPM.

September 8, 2017, is the cut-off date for making hotel reservations, cancellations or substitutions through AFPM or online. Beginning September 18 reservations, substitutions, or cancellations must be made through the hotel directly.

#### *Hotel Cancellation Policy:*

Cancellations must be made at least 48 hours prior to check-in, 3 pm, MST on the scheduled day of arrival in order to avoid a cancellation fee. Any reservation cancelled less than 48 hours before scheduled arrival will be assessed a fee equal to one, 1 night room rate plus tax.

#### *Early Departure Fee:*

If there are any changes to the confirmed departure date after check-in, the change will result in a fee equal to one night's room and tax.

### Spouse Registration

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

### 4. Payment

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

### 5. Travel

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

### 6. Confirmation

Your registration will be confirmed via email if you provided us your email address.

### 7. Sponsorships

Sponsorship opportunities available. Check out the opportunities on the [Sponsor Tab](#) of the conference website, or contact Colleen Van Gieson at 202.457.0480 or email at [sponsorships@afpm.org](mailto:sponsorships@afpm.org).

### 8. Attire

Business Casual (No tie; jacket optional)

### Cancellation Policy:

Registration cancellations must be submitted in writing and faxed to 202.835.0467 or emailed 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 online 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 8, 2017 with no penalty. Written cancellations postmarked, faxed, or emailed between September 9 and September 29, 2017 will receive a refund of fees, less a \$50 processing fee. No refunds after September 29, 2017. No telephone cancellations please.

### 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 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: ENV17

## REGISTER ONLINE AT [AFPM.ORG](http://AFPM.ORG)

Register by September 8th – 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.

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

### Step 2: Meeting Registration

		By Sept 8	After Sept 8
<input type="checkbox"/> Member	\$ 900	_____	\$1000 _____
<input type="checkbox"/> Non-Member	\$1500	_____	\$1600 _____
<input type="checkbox"/> Spouse/Guest	\$ 100	_____	\$ 100 _____

#### Sunday 10/15 – 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 \$215 Single/Double occupancy at the Grand Hyatt Denver, 1750 Welton St., Denver, CO.

Arrival Date Departure Date

If no dates are indicated, we will assign arrival Sunday, October 15 and departure Wednesday, 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 8th is the final cut-off date to reserve a room. Contact the hotel directly with changes or cancellations beginning September 18, 2017.

#### 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