

**ENVIRONMENTAL  
CONFERENCE**

MARRIOTT NEW ORLEANS  
OCTOBER 16 – 18, 2016

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**AFPM**

**2016**

## ENVIRONMENTAL CONFERENCE

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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Monday AM Networking Break

**TRC Solutions**

Monday PM Networking Break

**Ramboll Environ**

Hotel Room Drop

**TRICORD Consulting, LLC**

**Trihydro Corporation**

## CONFERENCE CO-CHAIRS

*Chuck Barksdale*, Philadelphia Energy Solutions

*Derek Reese*, ExxonMobil Chemical Co.

## SCHEDULE OF EVENTS

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#### Sunday

**October 16, 2016**

12:00 pm – 5:00 pm	Registration / Badge Pick-up	Galerie 4-6 Foyer
1:00 pm – 5:15 pm	Workshop	Galerie 5-6

#### Monday

**October 17, 2016**

7:00 am – 6:00 pm	Registration	Salon A-C Foyer
7:30 am – 8:00 am	Early Coffee & Rolls	Carondelet
8:00 am – 9:00 am	Keynote Address	Carondelet
9:00 am – 10:15 am	General Duty / Environmental Justice / NGO Activism / Community-Stakeholder Engagement Session	Carondelet
10:15 am – 10:30 am	Coffee Break	Carondelet
10:30 am – 12:00 pm	NAAQS Implementation Session	Carondelet
12:00 pm – 1:30 pm	Luncheon with Speakers	Salon A-D
1:30 pm – 3:00 pm	Water Topics & Issues / RCRA / Remediation Session	Carondelet
3:00 pm – 3:15 pm	Coffee Break	Carondelet
3:15 pm – 4:30 pm	Emission Credits / Greenhouse Gas Management & Issues Session	Carondelet
4:30 pm – 6:00 pm	Technical Posters & Reception	Salon A-D

#### Tuesday

**October 18, 2016**

7:30 am – 2:00 pm	Registration	Salon A-C Foyer
7:30 am – 8:00 am	Early Coffee & Rolls	Carondelet
8:00 am – 9:30 am	Other Issues Session	Carondelet
9:30 am – 10:00 am	Coffee Break	Carondelet
10:00 am – 12:00 pm	Concurrent Sessions • Ethylene Residual Risk Session • Refinery Risk & Technology Rule / ICR Results Session	Iberville Carondelet
12:00 pm – 1:30 pm	Luncheon with Speaker	Salon A-D
1:30 pm – 3:00 pm	Flare Management Session	Carondelet

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1:00 pm – 5:15 pm  
Galerie 5-6  
Produced by ERM

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



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1:00 pm

**Welcome and Introduction:  
Workshop Purpose and Objectives**  
*David Friedman, AFPM*  
*Toby Hanna, ERM*

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1:10 pm

**Overview of Project Trends**

- Real projects: unconventional feedstocks, Tier 3, turnarounds
- Trends, benchmarking, lessons

  
*Lynn McGuire, ERM*  
*Jeff Hartwig, Chevron*

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1:50 pm

**Key Environmental Permitting Risks –  
Smart Choices in Emission Mitigation**  
*Andy Woerner, ERM*  
*Tom Godlewski, PBF Energy*  
*Andre Marquette, Valero*

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2:20 pm

**Key Environmental Permitting Risks –  
Getting Value from the Latest Air Dispersion Modeling Techniques**  
*Rich Hamel, ERM*

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2:50 pm

Break

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3:00 pm

**Key Environmental Permitting Risks –  
Multimedia Impact Mitigation Solutions**  
*June Coover, ERM*  
*Rebecca Spurling, Tesoro Anacortes Refining*  
*Derek Seal, Winstead PC*

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4:00 pm

**Legal and Public Affairs Challenges**

- Public & NGO scrutiny of projects
- Legal challenges to capital projects
- Lessons learned from “green states”
- Solutions for increased public data

  
*Elizabeth Bourbon, Valero*  
*Chris Howe, Valero*  
*Greg Johnson, Liskow & Lewis*  
*Zach Craft, Baker Botts L.L.P.*  
*Kristina Mitchell, ERM*

**MONDAY  
OCTOBER 17, 2016**

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7:30 am – 8:00 am  
Carondelet

Early Coffee & Rolls

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8:00 am – 9:00 am  
Carondelet

**Keynote Address**

*John Auers*  
Turner, Mason & Company



9:00 am – 10:15 am  
Carondelet

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

Moderator: *Mike Norman*,  
Delek Refining Ltd

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

*Kristina Mitchell*, ERM

**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



10:15 am – 10:30 am  
Carondelet

Coffee Break  
*Sponsored by: TRC Solutions*

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10:30 am – 12:00 pm  
Carondelet

**NAAQS Implementation Session**

Moderator: *Marise Textor*,  
Western Refining Company

**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 Kembell-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  
Salon A-D

**Luncheon with Speakers  
New RMP Risks**

*Justin Savage and Erin Ward*,  
Hogan Lovells US LLP



1:30 pm – 3:00 pm  
Carondelet



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

Moderator: *Doug Price*,  
Tesoro Corporation

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

*Jamal Shamas*, AECOM

**Refinery Effluent Guidelines Status**

*Andrew Edwards*, Ramboll Environ

**Site Remediation MACT**

*Bill Wehrum*, Hunton & Williams

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

*Lloyd Dunlap*, Trihydro Corporation  
*Tom Rinehart*, Chevron Environmental Management Company

3:00 pm – 3:15 pm  
Carondelet

Coffee Break  
*Sponsored by: Ramboll Environ*

3:15 pm – 4:30 pm  
Carondelet



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

Moderator: *Larry Darcey*,  
CITGO Petroleum Corporation

**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.

**Air Emission Credit Update: Emerging Strategies**

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

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

*Jay Christopher*, Trihydro Corporation

4:30 pm – 6:00 pm  
Salon A-D

**Poster Session & Reception**  
*Sponsored by: Barr Engineering Company*

**Overview of Regional Emissions Markets and Pricing**

*Randall Lack* and *Kyle Brzymialkiewicz*,  
Element Markets LLC

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

*Andrew Woerner*, ERM

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

*Karunanidhi Munirathinam*, CH2M HILL

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

*Heidi Hayes*, Eurofins Air Toxics

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

*Becca Bradley*, Trihydro Corporation

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

*Troy Boley*, IMACC, LLC

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

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

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

*Sanjeet Sen*, Sage ATC Environmental Consulting, 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  
*Mike Scheffert*, Tesoro Alaska Company, LLC

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

*Steve Walls*, Trihydro Corporation

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

*Kayla Turney* and *Kristin Gordon*, All4 Inc.

**Assessment of Flare Smokeless Capacity Estimation Techniques**

*Derek Stuck*, Sage ATC Environmental Consulting, LLC

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

*Thomas Dunder* and *Jason Grizzle*,  
TRC Companies

7:30 am – 8:00 am  
Carondelet

Early Coffee & Rolls

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8:00 am – 9:30 am  
Carondelet



**Other Issues Session**

Moderator: *Bob Morris*, CVR Energy, Inc.

**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

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9:30 am – 10:00 am  
Carondelet

Coffee Break

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10:00 am – 12:00 pm

**Concurrent Sessions**

**Ethylene Residual Risk Session**

Iberville

Moderator: *Cindy Gleason*, Chevron Phillips Chemical Company LP

**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

**ICR - The Five Stages**

*John Hellstrom*, Chevron Phillips Chemical



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

Carondelet

Moderator: *Mike Hopperton*, BP Products North America

**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  
Salon A-D



**Luncheon with Speaker**

**Cost of Carbon - It's not just social anymore...**

*Larry Darcey*

CITGO Petroleum Corporation

1:30 pm – 3:00 pm  
Carondelet



**Flare Management Session**

Moderator: *Dave Pavlich*, Phillips 66

**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**

*Jon Morris*, Providence Photonics

**Similar but Not The Same! MACT CC and NSPS Ja**

*Herman Holm*, Sage ATC Environmental Consulting, LLC



**AFPM**

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