



2015 Environmental
Conference

Grand America Hotel
Salt Lake City, Utah
October 18 – 20, 2015



ENVIRONMENTAL

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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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CONFERENCE CO-CHAIRS

Ty Gaub, U.S. Oil & Refining Co.
Kris Battleson, Chevron U.S.A. Inc.

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SCHEDULE OF EVENTS

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Sunday

12:00 pm – 5:30 pm

October 18, 2015

Registration / Badge Pick-up

Imperial Ballroom
Registration Desk

1:00 pm – 5:00 pm

Workshop

Imperial Ballroom A/B

Monday

7:00 am – 6:00 pm

October 19, 2015

Registration / Badge Pick-up

Imperial Ballroom
Registration Desk

7:00 am – 8:00 am

Early Coffee & Rolls

Imperial Reception

8:00 am – 8:45 am

Keynote Address

Imperial Ballroom A/B

8:45 am – 10:00 am

Water Issues Session

Imperial Ballroom A/B

10:00 am – 10:20 am

Coffee Break

Imperial Reception

10:20 am – 12:00 pm

Air Issues Session

Imperial Ballroom A/B

12:00 pm – 1:30 pm

Luncheon with Speakers

Imperial Ballroom C/D

1:30 pm – 3:00 pm

Remediation and Other
Issues Session

Imperial Ballroom A/B

3:00 pm – 3:20 pm

Coffee Break

Imperial Reception

3:20 pm – 4:30 pm

Refinery Sector Rule Session

Imperial Ballroom A/B

4:30 pm – 6:00 pm

Technical Posters & Reception

Imperial Ballroom C/D

Tuesday

7:30 am – 2:00 pm

October 20, 2015

Registration / Badge Pick-up

Imperial Ballroom
Registration Desk

7:30 am – 8:00 am

Early Coffee & Rolls

Imperial Reception

8:00 am – 10:00 am

NAAQS Session

Imperial Ballroom A/B

10:00 am – 10:20 am

Coffee Break

Imperial Reception

10:20 am – 12:00 pm

RMP / SSM Session

Imperial Ballroom A/B

12:00 pm – 1:15 pm

Luncheon

Imperial Ballroom C/D

1:15 pm – 3:00 pm

Flare Management Session

Imperial Ballroom A/B

**SUNDAY
OCTOBER 18, 2015**

1:00 pm – 5:00 pm
Imperial Ballroom A/B
Produced by ERM

**Workshop
EPA's Next Generation Compliance**



1:00 pm

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

1:10 pm

EPA Overview
David Hindin, Next Gen Project Lead, OECA, U.S. EPA

1:55 pm

**Next Gen Enforcement:
Setting the Stage**
LeAnn Johnson Koch, Perkins Coie LLP

2:30 pm

Recent Next Gen Experiences

- Consent Decrees
- Delegation of Enforcement
(Deputizing Public/NGOs & Third Party Compliance Audits)
- Proposed Rules

*Jake Fournier, Marathon Petroleum LP
Matt Kuryla, Baker Botts LLP
Ryan Alam, ERM*

3:00 pm

Coffee Break

3:15 pm

**New Air Monitoring Techniques:
Community, Real Time, Online, Smartphone Apps**
*Larry Hottenstein, ERM
Chuck Barksdale, Philadelphia Energy Solutions (PES)
Mike Wang, Western States Petroleum Association*

3:50 pm

**Public Transparency of Data:
Stakeholder Communication, QA, Data Interpretation**
*Linda Bartlett, ERM
Phyllis Holifield, CITGO Petroleum Corporation*

4:25 pm

**Path Forward:
Best Advice for Challenges Ahead**
All Star Panel

**MONDAY
OCTOBER 19, 2015**

7:00 am – 8:00 am
Imperial Reception

Early Coffee & Rolls

8:00 am – 8:45 am
Imperial Ballroom A/B

Keynote Address

Chet Thompson
President, AFPM

8:45 am – 10:00 am
Imperial Ballroom A/B



Water Issues Session

Moderator: *Paul Young*, Ergon, Inc.

**The Petroleum Refining
Effluent Guidelines**

Andrew Edwards and *Lial Tischler*,
Ramboll Environ

**Novel Approach for Removing
Selenium from Phillips 66 Ponca
City, OK Refinery Wastewater**

Jeffrey Meyers, C.H. Guernsey &
Company

**Implication to Refiners on the
Expansion of the U.S. Definition
of “Waters of the U.S.”**

Ron Crum, AECOM

10:00 am – 10:20 am
Imperial Reception

Coffee Break
Sponsored by: Ramboll Environ

10:20 am – 12:00 pm
Imperial Ballroom A/B



Air Issues Session

Moderator: *Doug Deason*, Exxon Mobil
Corporation

Boiler MACT/CISWI Implementation

John Joyce, Sage Environmental
Consulting

Ethylene Residual Risk

Blake Yarbrough, Sage Environmental
Consulting

**New and Updated Emissions
Factors: Strategies for Updating
Permit Limits and Reports While
Minimizing Enforcement Risk**

LeAnn Johnson Koch, Perkins Coie LLP

**At the Corner of “Next Gen” and
“No SSM”: Potential Issues in
Defending Agency Enforcement
Actions, Citizen Suits, and
Community Tort Litigation**

Stacie Fletcher, Gibson, Dunn & Crutcher

12:00 pm – 1:30 pm
Imperial Ballroom C/D

Luncheon with Speakers

**How Environmental Groups’ Evolving
Anti-Fossil Fuel Strategy Made
Crude-by-Rail So Complicated**

Geoffrey Swett, E.Vironment/SLR
Lowell Rothschild, Bracewell
& Giuliani LLP



1:30 pm – 3:00 pm
Imperial Ballroom A/B

Remediation and Other Issues Session

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

Real Updates to RCRA

Angela Martin, Heritage Environmental

**Odor Issues at Industrial
Facilities: A Legal Framework**

Greg Johnson, *Louis Buatt* and
Stephen Wiegand, Liskow & Lewis

**EPA Guidance Review and
Case Studies – Terminating
Post-Closure Care Permits and
Waste Analysis Plans for TSDFs**

Catriona Smith, TRC Solutions



Monday program continues on next page

**MONDAY
OCTOBER 19, 2015**

continued

3:00 pm – 3:20 pm
Imperial Reception

Coffee Break

3:20 pm – 4:30 pm
Imperial Ballroom A/B



Refinery Sector Rule Session

Moderator: *Matt Hodges*,
Valero Energy Corporation

**Overview of Refinery Sector
(RTR) Rule**

Dave Pavlich, Phillips 66

**EPA's Fenceline Monitoring
Program - What Will It Bring?**

Phil Norwood, ERM
Jeff Mensinger, Big West Oil, LLC

Panel Discussion

Mike Hopperton, BP Products
North America
George Graham,
Exxon Mobil Corporation

4:30 pm – 6:00 pm
Imperial Ballroom C/D

Poster Session & Reception

Sponsored by:
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**Air Permitting Impacts of
New Emissions Estimation
Techniques for Heated and
Hot Product Storage Tanks**

John Colebrook, Trinity Consultants, Inc.
Glenn Long, Marathon Petroleum
Corporation

**Permitting Startup, Shutdown,
and Maintenance Emissions:
It's Coming ... Be Prepared!**

Joe Ibanez, TRICORD Consulting

**Permeable Absorptive Barriers
for LNAPL Migration Control**

Jeff Gentry, CH2M HILL

Portable Control Devices

Tara Weatherford, Sage Environmental
Consulting
Sean Kirkpatrick, Vapor Point LLC

**New Methods to Monitor Subsurface
Petroleum Degradation**

Jeff Gentry, CH2M HILL

**Evaluating Modification Under
NSPS GGGa and Interpretations
of the Stay of the Capital
Expenditure Definition**

Inaas Darrat, Trinity Consultants, Inc.

**Appropriate Treatment of Tank
Degassing and Cleaning Events,
With a Focus on Air Emissions
Estimation Methodology and
Control Practices, State and
Federal Permitting Impacts, and
Emission Inventory Reporting**

Tony Shoberg, Barr Engineering
Company

**Validation Test for Real-Time
Direct Remote Monitoring of
Flare Combustion Efficiency**

Yousheng Zeng, Providence Photonics,
LLC

**Eliminating H₂S and SO₂ Emissions
at SRU, Coker and Other Sulfur
Handling Units of Refineries**

Sean Kirkpatrick and *Jeff St Amant*,
Vapor Point LLC

**P&ID-Based Compliance Reviews
– Environmental Compliance Risk
and Operating Cost Reductions:
Case Study and Strategy at the
Marathon Garyville Refinery**

Shane Kling, Environmental Intellect
Phil Frazier, Marathon Petroleum
Corporation

**Updated Ammonia Criteria and the
Impact on Refinery Wastewaters**

Teri Horsley, Sage Environmental
Consulting

Wind-Driven Air Sparging Pilot Study

Justin Pruis, Trihydro Corporation

**NSPS QQQ Capital Project
Review Process**

Emily Barron, Sage Environmental
Consulting

BWON and Chemical Plants

Dawn Neal, Sage Environmental
Consulting

**Upcoming Changes to EPA's
Risk Management Program:
Implications for Industry, Emergency
Responders and Communities**

David Heinold, AECOM

**Implementation of a Fenceline
Air Monitoring Program at
the BP Whiting Refinery**

Bryan Benaway, AECOM

Whole Effluent Toxicity Testing

D'Ann Wilkins and *Teri Horsley*,
Sage Environmental Consulting

**TUESDAY
OCTOBER 20, 2015**

7:30 am – 8:00 am
Imperial Reception

Early Coffee & Rolls

8:00 am – 10:00 am
Imperial Ballroom A/B



NAAQS Session
Moderator: *Rohit Sharma*,
LyondellBasell Industries

**Recent Developments in
Emissions Banking and Trading**
Matt Kuryla, Baker Botts LLP

**Ozone NAAQS Planning
Considerations**
Zach Craft, Baker Botts LLP

**New Modeling Guidance
and Requirements –
What To Do About It All?**
Rich Hamel, ERM

**2016: A Year of Intensive Activity
for SO₂ NAAQS Implementation**
Robert Paine, AECOM

**PM10/2.5 Emissions from
Gas-Fired Refinery Boilers and
Heaters: Test Methods, Results
and Better Emission Factors for
Air Quality Impact Assessment**
Glenn England, Ramboll Environ

10:00 am – 10:20 am
Imperial Reception

Coffee Break

10:20 am – 12:00 pm
Imperial Ballroom A/B



RMP / SSM Session
Moderator: *Marise Textor*,
Western Refining Company

**The One-Two Punch:
Risk Management Program and
General Duty Clause Enforcement**
Jean Flores, Guida, Slavich & Flores, P.C.

Implications of EPA's SSM SIP Call
Matt Kuryla, Baker Botts LLP

**RMP Changes Affecting Refineries
and Petrochemical Plants**
Sue Sung and *Natalie VanLiew*,
Trinity Consultants

12:00 pm – 1:15 pm
Imperial Ballroom C/D

Lunch

1:15 pm – 3:00 pm
Imperial Ballroom A/B



Flare Management Session
Moderator: *David Pavlich*, Phillips 66

**Reporting Emissions from NSPS Ja
Flares – Are You Contemplating An
On-Line Flare Gas Moisture Analyzer or
TDLS to Determine Moisture Content?**
John Joyce, Sage Environmental
Consulting

**Pros and Cons of Flare
Monitoring Instrumentation for
Compliance with NSPS Ja**
Derek Stuck, Sage Environmental
Consulting

**Evaluation of Alternative Methods for
Remote Monitoring of Petrochemical
Flare Operating Efficiency**
Michael Miller, Huntsman International LLC
Jason Graves, Waid Environmental

**Finishing and Maintaining
Your Flare Management Plan:
Before and After November 11**
Linda Bartlett, ERM



AFPM

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