



CalEPA

California Environmental
Protection Agency

Interagency Refinery Task Force

Safety Forum

December 11, 2014



Interagency Refinery Task Force (IRTF)

- History

- Triggered by Chevron Richmond fire (August, 2012)
- Governor designated Interagency Working Group on Refinery Safety (draft report July, 2013)
 - Issued “Improving Public and Worker Safety at Oil Refineries” (final report February, 2014)
 - <http://www.calepa.ca.gov/Publications/Reports/2014/RefineryReport.pdf>
 - <http://www.calepa.ca.gov/Publications/Reports/2014/RefinerySupport.pdf>
- Governor directed CalEPA to create IRTF (August, 2013)



IRTF Current Areas of Focus

- Three Work Groups
 - Safety and Prevention
 - Emergency Preparedness and Response
 - Enforcement Coordination
- Community Education and Alerts



Safety and Prevention Work Group

- Focused on strengthening and aligning the:
 - Process Safety Management (PSM) Program
 - Worker Safety (inside the fence)
 - Department of Industrial Relations (DIR, inc. Cal-OSHA)
 - Risk Management Prevention Program (RMP, aka California Accidental Release Program, CalARP)
 - Community Safety (outside the fence)
 - Governor's Office of Emergency Services (OES)
 - Other active participants- CalEPA, CUPAs



Elements of PSM/RMP Revisions

- Implement inherently safer systems
- Perform periodic safety culture assessments
- Conduct damage mechanism hazard reviews
- Conduct a root cause analysis after significant accidents or releases
- Explicitly account for human factors
- Require structured methods to ensure effectiveness of safeguards



Emergency Management and Response Work Group

- Work with CUPAs to create refinery-specific elements in Hazardous Material Area Plans
 - Improved Area Plans (and CalARP Emergency Response Plans)
 - Alignment of Communications
 - Unified Command and Joint Operations/Information Centers
 - Plans and Protocols to Protect Persons Outside of a Refinery
 - Drills and Exercises
 - Preparation for Airborne Releases
- Assessment of Monitoring of Toxic Air Contaminants
- Clarify reporting thresholds during hazardous materials release or threatened release



Enforcement Coordination Work Group

- Facilitate coordination of enforcement activities, including cross-referrals, cross-training, and joint or coordinated inspections and auditing, as appropriate.



Education and Outreach to the Public

- Improve existing alert systems and create a more comprehensive system to notify local residents
- Increase public involvement in emergency planning processes
- Increase public involvement in air monitoring



HENCE, THIS EVENING...



Safety Forums

- “Establish forums in northern, central, and southern California for ongoing dialogue among industry, labor, community, environmental groups and regulators...
 - [Focusing...] on joint learning, sharing of good process safety practices among California refineries, examination of performance metrics, root cause analysis of incidents, and other issues proposed in this report for further evaluation. “



Are not based in a specific incident or project

THE SAFETY FORUMS



Intended To:

- Demystify the issues
- Depoliticize the discussion
- Provide and exchange information
- Break down the institutional and organizational barriers
- Encourage meaningful dialogue



First Safety Forum

- Agenda
 - Emergency Warning and Notification Systems
 - Air Monitoring Systems
 - Transportation of Petroleum by Rail and Other Means
 - Query the audience for potential topics for future forums

Topic	Speaker	Supporting Organizations
Emergency Warning and Notification Systems	Heather Tiernan (Contra Costa County Sheriff's Office)	CAER, CCHS

Questions to be Addressed

When an emergency occurs: How am I notified? What does it mean? What should I do? How do I get more information?

Topic	Speaker	Supporting Organizations
Air Monitoring Systems	Eric Stevenson (BAAQMD)	GCM, Chevron

Questions to be Addressed

What monitoring programs are in place to let me and responders know what is coming out of refineries during normal operations and emergency incidents? How

Topic	Speaker	Supporting Organizations
Transportation of Petroleum by Rail and Other Means	Gordon Schremp (CA Energy Commission)	OSPR, FRA

Questions to be Addressed

What petroleum (crude and refined) products are traveling in my community? Where is it coming from and where is it going? What are the hazards? What other



Next Forum

- December 18, 2014
- Bakersfield



For more information:

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