

Process Safety Management: Strengthening Safety Performance & Compliance in Refineries

Agenda

Tuesday, October 22, 2024

7:45-8:00 am **Registration**

8:00-8:15 **Opening Remarks**

Nancy Simcox, MS, Associate Teaching Professor and Director, Continuing Education Programs, Northwest Center for Occupational Health and Safety, Environmental and Occupational Health Sciences, University of Washington (UW DEOHS)

8:15-9:30am **Why a Performance-Based PSM Rule in Washington State**

Stephanie Arnold, CEng, PSM Statewide Compliance Manager, Washington State Labor & Industries

9:30-9:45am **Break**

9:45-11:00pm **Stop the Swiss Cheese Approach: Lessons Learned from California Refineries**

Stephanie Arnold

11:00-

12:00pm

US Chemical Safety and Hazard Investigation Board Recommendations

*Lauren Grim, P.E., CFEI, U.S. Chemical Safety and Hazard Investigation Board, Supervisory Chemical Incident Investigator
Mark Wingard, U.S. Chemical Safety and Hazard Investigation Board, Supervisory Chemical Incident Investigation*

12:00-1:00 **Lunch Break**

1:00-2:00 **Drivers for Change and Common Themes**

- PSM Program
- Trade Secrets
- Employee Collaboration

Michelle Unger, CHMM, PSM Technical Specialist, Industrial Hygienist, Washington State Labor & Industries

2:30-2:45 **Break**

2:45-3:30 **PSM New Element Review and Discussion:**

- Process Safety Culture Assessment

Michelle Unger

- 3:30-4:30pm **PSM Element Review and Discussion:**
- Emergency Planning and Response
- Michelle Unger*
- 4:30-5:00 pm **Expected Benefits Discussion**
- Stephanie Arnold & Michelle Unger*

Wednesday October 23, 2024

- 8:00-8:45am **What is Recognized and Generally Accepted Good Engineering Practices (RAGAGEP)?**
- Michelle Unger*
- 8:45-9:45am **PSM Element Review & Discussion:**
- Process Safety Information
- Michelle Unger*
- 9:45-10:00am **Break**
- 10:00-11:30 **PSM Elements Review & Discussion:**
- Mechanical Integrity
 - Hot Work
- Michelle Unger*
- 11:30a-12:00p **PSM Element Review & Discussion:**
- Hazard Analyses
 - DMR
 - Human Factors
- Michelle Unger*
- 12:00-1:00pm **Lunch**
- 1:00-2:00pm **Hazard Analyses (continued)**
- Michelle Unger*
- 2:00-3:00 pm **How to Measure Compliance for Human Factors**
- Stephanie Arnold & Rocco Meraglia, B.Ad, Dip. OHS, CRSP, Cashman Global Management (HSE & Security)*
- 3:00-3:15pm **Break**
- 3:15-4:45pm **Incident Investigation – Root Cause Analysis**
- Stephanie Arnold & Rocco Meraglia, B.Ad, Dip. OHS, CRSP*
- 4:45-5:00pm **Wrap-up**
-

Thursday, October 24, 2024

8:00-10:00am **PSM Element Review and Discussion:**

- Operating Procedures
- Contractors
- Training

Michelle Unger

10:00-10:15 **Break**

10:15-12:00 **PSM Element Review and Discussion:**

- PSSR
- MOC
- MOOC

Michelle Unger

12:00-1:00pm **Lunch**

1:00-2:30pm **PSM Element Review and Discussion:**

- Compliance Audits
- Corrective Action

Michelle Unger

2:30-2:45pm **Break**

2:45-3:45pm **Inspection Plans & Enforcement Strategy**

Chris Rossi, PSM Specialist, Industrial Hygienist, Washington State Labor & Industries

3:45-5:00pm **Wrap-up/Q&A:**

Stephanie Arnold, Michelle Unger, Chris Rossi, Nicole Johnson, Data Consultant 2, PSM, DOSH Compliance, Washington State Labor & Industries
