



Enpro Solutions, Inc.



BLUESCAPE
ENVIRONMENTAL



Wednesday,
April 11th, 2012

PROCESS SAFETY MANAGEMENT WORKSHOP



- ✓ New in 2012:
OSHA's National
Emphasis Program
(NEP) for Chemical
Facilities
- ✓ OSHA-PSM, EPA-
RMP and CalARP
Compliance

Presented by the PSM Team

BlueScape Environmental

Enpro Solutions

Denali Group

In Conjunction with the
Industrial Association of
Contra Costa County

Learning Objectives

- Prepare for OSHA's chemical NEP and random inspections.
- Best risk management and compliance strategies.
- Common violations/trends by major type of facility.
- How to conduct PSM audits.
- Conduct and revalidate Process Hazard Analyses.
- Lessons learned from past disasters, CSB Case Studies.
- Air modeling for emergency planning/response.

PROCESS SAFETY MANAGEMENT WORKSHOP

Sponsored by The PSM Team



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When: Wednesday, April 11th, 2012 – 8:00 a.m. to 1:30 p.m.

Where: Wedgewood Banquet Center, Delta View Golf Course, 2222 Golf Club Road, Pittsburg, CA 94565

Registration Options

Full Workshop Program (blue box): \$99.00 (includes buffet lunch)

Lunch Only - IACCC Members (orange box): \$35

Lunch Only - Non Members (green box): \$45

Click within one of the color coded boxes above to be redirected to the registration page

Lunch Presentation: Are You Ready for an OSHA PSM Inspection? How OSHA's new Chemical NEP Could Affect Your Bottom Line! By Mac Qadir, PE

For questions contact Bob Kuykendall at denaligp@ix.netcom.com or 925-602-2333.

WORKSHOP FOCUS

How can we prevent catastrophic disasters such as the BP well blowout and the Fukushima power plant incidents? Could a process accident happen under your watch? Plant managers and executives must maintain safe plant operations, protect personnel, prevent accidental releases and comply with complex regulations. Are you responsible for process plants or refrigeration systems handling toxic or flammable materials? If so, this workshop is for you!

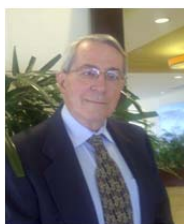
We will explore how to discover hidden hazards in your operations and prevent toxic or flammable release accidents. Corporate and facility managers will obtain the latest information and knowhow to comply with federal, state and local regulations under OSHA/PSM, USEPA/RMP and CalARP. **A special update on OSHA's new National Emphasis Program for chemical facilities will be presented during lunch.**

Note: Full Program-Workshop attendees will receive a CD of the presentation materials and handouts

The Speakers: The speakers include Dr. Habib Amin of Contra Costa Health Services, Hazardous Materials Programs; and the PSM Team - James Westbrook of BlueScape Environmental, R. Maqbool (Mac) Qadir of Enpro Solutions and Robert Kuykendall of The Denali Group.



R. Maqbool Qadir, PE – Principal Chemical Engineer: Mr. Qadir, President of Enpro Solutions, Inc. is a registered Professional Engineer with over 29 years of consulting and industrial experience. Mr. Qadir has managed environmental projects for Fortune 500 corporations and federal, state and local agencies. He has a BS and MSE in chemical engineering from the University of Engineering and Technology, Lahore and the University of Michigan at Ann Arbor. He has extensive experience in PSM and has prepared CalARP/RMP plans, conducted PHAs and offsite consequence analyses. He has conducted PSM audits, provided audit support and led HAZOP and What If reviews for ammonia refrigeration systems, chemical plants, tank farms, and chemical storage facilities. He is a member of the American Institute of Chemical Engineers (AIChE), the Contra Costa Industrial Association, and the Refrigeration Engineers and Technicians Association (RETA). He served as Chairman of AIChE's Northern California Section in 2001-2002.



Robert Kuykendall, Principal Industrial Hygienist, Certified Hazardous Materials Manager No. 7948: Mr. Kuykendall, President of the Denali Group is a Certified Hazardous Materials Manager and Certified Environmental Manager with over 40 years experience in the federal/state regulation and management of hazardous chemical, including ammonia, anhydrous ammonia, acrolein, hydrogen, and acetylene He has led projects for industrial, commercial and governmental clients involving Risk Management Plan and Process Safety Management project. He has conducted PSM/RMP and CalARP compliance evaluations for facilities in the chemical, industrial gas, food industry, oil & gas production, water and wastewater treatment, cold storage and semi-conductor/electronics plants.



James A. Westbrook Principal Air Scientist & Certified Consulting Meteorologist No. 558: Mr. Westbrook, President of BlueScape Environmental, is a Certified Consulting Meteorologist (CCM) with 20 years of experience completing chemical release emission calculations and off-site impact analysis for risk assessment projects, including CalARP and EPA RMP Offsite Consequence Analyses, and Human Health Risk Assessments. He has completed plume dispersion modeling for chemical manufacturing and distribution facilities, cold storage facilities, wastewater facilities, and power generation facilities. To model plume emissions for planning purposes, he uses agency approved software tools including ALOHA, DEGADIS, SLAB, HARP, AFTOX, AERMOD and TSCREEN.



Habib Amin Ph.D., P.E., CHMM, is currently with Contra Costa Hazardous Materials Programs as an Accidental Release Prevention Engineer: Dr. Amin has reviewed numerous RMPs and has been lead auditor responsible for process safety compliance audits at major industrial facilities in Contra Costa County. His experience includes 10 years with CalARP and over 20 years with major companies such as Bechtel Corporation and Montgomery Watson. Areas of expertise include process safety management, process and systems engineering, technology development and quality assurance/quality control. Habib received a B.S. in Chemical Engineering from Oregon State University and a Ph.D. also in Chemical Engineering from U.C. Berkeley. He is a recipient of the 2002 Fellow Award from the National American Institute of Chemical Engineers (AIChE) and the 1998 Professional Progress Award from the Northern California Section (NORCAL) of AIChE.

PSM WORKSHOP AGENDA, April 11, 2012

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| 8:00 - 8:15 | Introduction & Workshop Overview – Bob Kuykendall, CHMM |
| 8:15 – 9:00 | Recent Incidents of PSM gone awry, Chemical Safety Board Video – Mac Qadir PE, Bob Kuykendall. California Incidents - I have a PSM/RMP plan – What could possibly go wrong? |
| 9:00 – 9:30 | Realistic Air Modeling for Emergency Planning and Incident Management – James Westbrook CCM, will discuss past Bay Area incidents at General Chemical oleum spill. |
| 9:30 – 10:00 | What did your HAZOP miss? Revalidate your PHA properly to meet OSHA/CalARP requirements – Mac Qadir, PE. |
| 10:00 – 10:15 | Break. |
| 10:15 – 11:00 | Update on Contra Costa County CalARP/ISO Programs - Habib Amin Ph.D., P.E., CHMM, Contra Costa Hazardous Materials Programs, Accidental Release Prevention Engineer <ul style="list-style-type: none"> ▪ Why CalARP/PSM/ISO? ▪ How do facilities come into compliance? ▪ Criteria documents and guidelines for process safety compliance and audits/inspections. ▪ Common violations/trends by major type of facility. |
| 11:00 – 11:30 | Roundtable Discussion of Shared Experiences – Lessons Learned, Workshop Attendees, James Westbrook Moderator. |
| 11:30 – 12:00 | PSM compliance evaluations/audits - Reduce regulatory risk and improve your PSM program through focused compliance evaluations. Bob Kuykendall, Mac Qadir |
| Lunch 12:00 – 1:30 | Lunch Presentation – Are You Ready for an OSHA PSM Inspection? How OSHA’s new Chemical NEP Could Affect Your Bottom Line! - Mac Qadir. |