

# OSHA PSM and NEP Training Course Overview

January 14 - 15, 2010

Since the promulgation of the OSHA PSM standard (29 CFR 1910.119) in 1992, refineries and chemical plants have reduced the number of process-related incidents and near-misses that occur at their facilities. However, fatal accidents are still happening even in facilities where PSM is practiced and well-established.

Based on the belief that chemical facilities may have an extensive written PSM program, but insufficient program implementation, OSHA expanded its 2007 refinery NEP to include chemical plants CPL 2 - 09-06) in July 2009. OSHA estimates 7,000 chemical facilities will be impacted by this NEP. These plants will not have the opportunity to review the static questions to prepare for the NEP inspections as they are not published on the OSHA website.

Join Siemens Energy and their leading PSM consultants in their "OSHA PSM NEP" training course to learn how to prepare your facility for an NEP inspection. In the course, you will:

- Learn about the OSHA PSM standard
- Get answers and interpretations about the OSHA PSM standard
- Gain insight about the Refinery NEP and Chemical Plant NEP directives
- Get answers and interpretations about the IPI static questions (Refinery NEP)
- Learn how to prepare for the OSHA NEP inspections
- Gain insight on what OSHA NEP teams may look for in chemical plants
- Gain insight about the top violations and penalties issued by the Refinery NEP
- Get answers to all your general questions about MOC, MI, PHA, PSI or PSM from Siemens' leading experts, including a former OSHA PSM manager
- Gain insight about Risk Based Inspection of process equipment
- Get answers to all your questions about OSHA enforcements
- Gain insight on how to develop a PSI framework for PSI Management
- Gain insight on how to build smart KPI models for each PSM element
- Have opportunities to network



# OSHA PSM and NEP Training Course Agenda

*\*Subject to change*

## **Thursday, January 14**

**8 AM - 4:30 PM**

- Learning Objectives
- Incidents that led to the initiation of the OSHA PSM standard
- Overview of the PSM standard, 29 CFR 1910.119
- Management of Change (MOC) - Mandate & Implementation Strategy
- Process Safety Information (PSI) - Mandate & Implementation Strategy
  - Mechanical Integrity
  - Relief System Design
- Employee Participation
  - PSM Culture
  - PSM Foundation
- Contractor Management
- Process Hazard Analysis (PHA) - Mandate & Implementation Strategy
- Mechanical Integrity (MI) - Mandate & Implementation Strategy
  - Deficiencies/Fitness for Service
  - PV Evaluation and Re-rating
  - IDMS
  - Procedures & Standards
- Incident Investigation - Mandate & Implementation Strategy
  - Root Cause Analysis
  - Failure Analysis
- Operating Procedures and Operator Training - Mandate & Implementation Strategy
- Work Permits - Mandate & Implementation Strategy
- Emergency Planning and Response - Mandate & Implementation Strategy
- Trade Secrets - Mandate & Implementation Strategy
- Compliance Audits - Mandate & Implementation Strategy

## **Friday, January 15**

**8 AM - 4:30 PM**

- Overview of OSHA Refinery NEP
- Overview of the OSHA Chemical Plant NEP
- OSHA NEP Inspection Process
  - OSHA NEP Team
  - NEP Inspection Protocol
  - Overview of OSHA Litigation Process
- Overview of the IPI Static Questions from the Refinery NEP
- OSHA Inspection and Citation Process