

# PROCESS SAFETY MANAGEMENT IN REFINERIES

For PSM-Regulated Sites, Chemical/Petrochemical Refineries & VPP/PSM Auditors

Texas Engineering Extension Service  
Professional and Regulatory Training

This training is provided under Susan B. Harwood grant number 16633-07-60-F-48 awarded to the Texas Engineering Extension Service, OSHA Training Institute Southwest Education Center from the Occupational Safety and Health Administration, U.S. Department of Labor. It does not necessarily reflect the views or policies of the U.S. Department of Labor, nor does mention of trade names, commercial products, or organizations imply endorsement by the U.S. Government.

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## For PSM-Regulated Sites, Chemical/Petrochemical Refineries & VPP/PSM Auditors

The Texas Engineering Extension Service (TEEX) is providing grant-funded training to address issues identified in post-incident Process Safety Management (PSM) assessments. The training is conducted by the OSHA Training Institute Southwest Education Center through a Susan Harwood Grant from the U.S. Department of Labor and all training materials are provided.

Focus areas will include:

- Identification and monitoring of critical indicators
- Cultural awareness issues
- Essential communications.

This training is available to employers and employees in all SIC codes covered under OSHA PSM regulations. Training is also available to internal and contract employees and employers that service PSM sites, including internal and external Voluntary Protection Program (VPP) and PSM auditors. Classes may be conducted on-site at a plant or at a facility nearby. TEEX serves OSHA Region VI, which includes New Mexico, Oklahoma, Arkansas, Louisiana and Texas.

**NOTE: Courses below will count towards the CSHO tracks (where applicable).**

**To Register:** Contact Customer Service: **1-800-SAFE-811** or email: [otisecc@teexmail.tamu.edu](mailto:otisecc@teexmail.tamu.edu)

### Grant-Funded Courses:

#### **PRT222 Respiratory Protection**

**Length:** 31 Hours / 4 Days

This course covers the requirements for establishing, maintaining, and monitoring a respirator program. Course highlights include workshops on qualitative fit testing, respirator selection and the use of a large array of respiratory and support equipment.

#### **PRT226 Permit-Required Confined Space Entry**

**Length:** 31 Hours / 4 Days

This course increases the student's knowledge of hazards associated with permit-required confined space entry. The course discusses the use and limitations of explosion meters, oxygen meters, and other test equipment. It covers the operation and calibration of gas monitoring equipment and includes entry labs.

#### **PRT301 Process Safety Management (PSM) Survival**

**Length:** 23 Hours / 3 Days

This course introduces the participants to the OSHA Process Safety Management standard and prepares them to develop a PSM program specific to an employer's safety management needs. Relevant exercises, including job hazard analysis, help the participants apply the regulations and principles. This course is designed for engineers, safety professionals, management and others who seek a broad-based introduction to the requirements of the OSHA PSM rule.

#### **PRT302 Process Safety Manager (PSM) Auditor**

**Length:** 20 Hours / 3 Days

This course develops the skills necessary to audit a process safety management program. The OSHA Process Safety Management standard will be examined in depth, and auditing skills will be applied to it. This course is designed for anyone with responsibility for compliance with the PSM standard, including site owners and contractors.

**Prerequisites:** Process Safety Management experience or PRT301- PSM Survival

#### **PRT248 Voluntary Protection Programs (VPP) Overview**

**Length:** 7 Hours / 1 Day

This course is designed to provide a general overview of OSHA's Voluntary Protection Programs for sites considering the value of participating in the VPP. Topics will include the history and successes of VPP and the program application process. Students will gain insight that can help make the program a priority with senior management.

### ***New! Coming in Summer 2008***

**PSM Critical Indicators Course:** 8 Hours

**PSM Culture & Critical Communication Course:** 4 Hours

These courses will help students recognize problems and potential solutions to three of the major identified causes that contributed to catastrophic PSM incidents.