Prestart-up Safety Review (PSSR)

Course Description

Course Overview
The goal of this course is to provide an understanding of the requirements for the Prestart-up Safety Review (PSSR) and the tools used to complete a PSSR. Participants will collaborate in small groups to analyze scenarios using incident videos and case studies. They will use diagnostic strategies to work through multiple PSSR specific problems.

Audience
The Prestart-up Safety Review course is designed for projects, operations, safety, and maintenance managers; projects, technical, operations and maintenance engineers; PSSR element leaders and team members; and site process safety management (PSM) committee leaders and team members.

Learning Objectives
In order to accelerate skill development, this course features a problem-based learning approach that provides a collaborative job-focused experience. Participants will get a better understanding of the planning and application of PSSR, see the value for performing a PSSR, demonstrate PSSR competency requirements, identify novel deficiencies in the design, operation and PSM for a facility, and collaboratively build a personal compilation of recommendations to apply on the job.

Length:
2-day course

Pre-requisites:
- PSM 101: PSM Overview
- Prior exposure to operations, maintenance, projects

Results and Path Forward
After completing this course, participants should compile a list of action items based on their learning to apply back on the job. This starts with writing new or upgrading existing PSSR procedures. To build competency at the individual level, the participant should identify a coach, apply the updated PSSR to two major changes, and get assessed on the competency requirements for applying PSSR.

It is recommended that participants go through an e-learning refresher course once a year and instructor-led refresher training once every three years.

Prestart-up Safety Review (PSSR)

Module 1:
- Defining a PSSR
  This module introduces the what, when, where and why a PSSR is required and applied

Module 2:
- Implementation
  Participants will examine the steps for implementing a PSSR.

Module 3:
- Field Inspection
  In this module, participants will identify team members and competencies, as well as the PSSR requirements for changes or maintenance of hazardous facilities.

Module 4:
- Linkages to Other PSM Elements and Requirements
  Participants will see how PSSR links to other elements of the PSM system.

Based on our experience, we recommend that companies do the following on an organizational level:

- Develop/Upgrade procedures & checklist for PSSR
- Identify & apply 2 major changes
- Evaluate adequacy of PSSR procedure
- Establish and Track KPIs for PSSRs
- Apply PSSR to all changes in personnel
- Evaluate competencies of individuals
- Develop customized training
- PSSR Instructor Led Training
- Refresher e-learning
- Develop/Upgrade procedures & checklist for PSSR

View full course description on the training.dupont.com site.