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# ***AN INTRODUCTION TO AMMONIA REFRIGERATION COMPLIANCE PROGRAMS***

*(PSM, RMP, ARM, DHS)*

*“An Introductory course on the requirements of Process Safety Management, Risk Management and the Ammonia Refrigeration Management Programs”*

This course is designed to introduce Plant Managers, ERT Members, Engineers, Maintenance Managers, Maintenance Operators, Safety Personnel, and other Members of Management to the basics of compliance. Seasoned safety veterans will receive some tips and tricks on streamlining your programs

## History:

This section of the seminar will highlight events leading up to the development of the Process Safety Management and Risk Management rules, as well as the new Homeland Security standard. This includes a look at past incidents, legislation, and interesting interpretations.

## Process Safety Information

We will be discussing the requirements for gathering, organizing and maintaining the Process Safety Information files.

## Process Hazard Analysis

Requirements include initial assessment, revalidation, and Management of Change PHAs.

## Operating Procedures

SOPs take many forms. Which format is right for your application?

## Employee Participation

What are you required to do to meet the minimum requirements of the standard?

## Training

Requirements for training employees, contractors, office employees, and visitors.

## Contractors

The requirements for contractors are much stronger than first thought.

## Pre-Startup Safety Review

We will be discussing the requirements for Pre-Startup Safety Reviews.

## Mechanical Integrity

Possibly the most important and practically attainable requirement of PSM and RMP.

## Hot Work Permits

We will be concentrating on the differences between the OSHA general Industry requirement and the OSHA PSM requirement.

## Management of Change

Management of change requirements? When is a change considered a "Replacement in Kind"?

## Incident Investigation

Who, when, where, how, why, and what is required for documentation?

## Emergency Planning and Response

Are you required to have an Emergency Response Team? What can you expect from local emergency agencies?

## Compliance Audits

Compliance audits are required every three (3) years. For facilities over 10,000 pounds, that means you should be able to show an inspector two completed audits, including follow-up documentation.

## Trade Secrets

What does OSHA consider a Trade Secret? How can the standard be used to protect the employer?

## Off-Site Consequence Analysis

- Worst-Case Release Scenario.
- Mitigation Systems.
- Populations Affected.
- Number of Scenarios.
- Technical Guidance.
- Modeling Parameters.

## Consideration of Environmental Impact

- Inclusion of Environmental Impacts.
- Level of analysis required.
- Environments to be considered.

## Homeland Security

- How will the new standard affect your facility?
- How does the registration process work?
- What is a Top Screen?
- What is the compliance deadline?

## Other Topics Include

- Recent Clarifications.
- Accident History.
- Enforcement.
- Accident Reporting

Seminar reservations may be made by contacting:

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