

Process Safety Boot Camp High Level Course Overview



DAY 1

- **Introduction**
 - Occupational safety vs. process safety
 - Business case for process safety
 - Key principles of process safety
- **Anatomy of an Incident**
- **Loss of Containment**
 - Containment and control
 - Prevention
 - Mitigation

DAY 2

- **Introduction to Management Systems and Risk Based Process Safety**
- **Process Safety Culture Compliance with Standards**
- **Inherently Safety Concepts**
 - Process Design
- **Process Safety Competency**
 - Workforce Involvement
 - Human Factors
- **Stakeholder Outreach**
- **Process Knowledge Management**
- **Understanding Material Hazards**

For more information about having a process safety Boot Camp at your facility Contact Louisa Nara at louna@aiche.org.

DAY 3

- **Specific Hazards**
 - Chemical hazards
 - Reactivity
 - Toxicity
 - Corrosivity
 - Inherent Safety
- **Hazard Identification and Risk Analysis**
 - Hazard evaluation techniques
 - Consequence and Impact
 - Frequency
 - Risk Analysis
 - Risk criteria
 - Risk acceptance
- **Operating Procedures**
- **Safe Work Practices**

DAY 4

- **Hot Work Permits, etc.**
- **Asset Integrity and Reliability**
- **Contractor Management**
- **Training and Performance Assurance**
- **Management of Change (MOC)**
- **Operational Readiness & PSSR**
- **Conduct of Operations**
- **Emergency Management**
- **Incident Investigation**
- **Measures and Metrics**
- **Auditing Compliance**
- **Management Review and Continuous Improvement**
- **Additional EPA RMP regulations**
- **Course Wrap up**

