



Hazard Assessment & Control for Process Safety Management

Detailed Course Outline

Chapter 1:

- Importance of Safety Training
- Hazard Assessment, Control & Elimination
- The Value of Life
- Communicating & Training
- Due diligence
- Documentation
- Competent person
- Attitude
- Culture

Chapter 2:

- Process Safety Management
- Canadian Safety Association
- Risk and Safety Management Plans
- Hazard Scenarios
- Hierarchy of Risk Controls
- Identification of Control Measures
- Implementing and Utilizing PSM
- Gap Analysis

Chapter 3:

- Legislation
- What is a Workplace Hazard?
- Activity – Spot the Hazards
- Three Main Categories of Hazards
- Environmental Hazards
- Physical Hazards
- Psychological Hazards

Chapter 4:

- Hazard Evaluation
- What, How, Where, When & Why is a Hazard Assessment done?
- Risk Matrix
- Hazard Evaluation Form

Chapter 5:

- Administrative Controls
- Engineering Controls
- Personal Protective Equipment Controls
- Ergonomic Controls
- Combination of Controls
- Identifying Control Methods
- Preventative & Corrective Action
- Follow Up
- Corrective Action Form

Chapter 6:

- Field Level Assessments
- What, How, Who, Where & Why is an FLRA done?
- Challenges Workers May Have
- FLRA Form

Chapter 7:

- Process Safety Management Summary

Practical:

Participants will have two different scenarios they will be documenting in groups & as individuals:

- Hazard assessment (1 of 8)
- Corrective action based on hazard assessment
- FLRA/ JSA (1 of 8)
- Process Safety Management Activity (based on HAC, Corrective Actions and FLRA Activities)
- Trade Secret Four Pillar Activity

