



TRAINING OUTLINE

COURSE TITLE: _____ **DATE:** _____ **INSTRUCTOR:** _____

LOCATION: _____ **TIME:** _____ **COMPANY:** _____

Safety training was conducted on the above date by the instructor indicated. The following line items identify the topics covered during the training session.

SUMMARY OF TRAINING

1) Introduction

- a) The Bhopal Disaster
- b) What is PSM
- c) Helpful Terms & Definitions
- d) Elements of PSM
- e) Standards

2) Identify

- a) Process Safety Information
 - i. Process Chemicals
 - ii. Process Technology
 - iii. Process Equipment
 - iv. P&IDs
 - v. Employee Participation
- b) Process Hazard Analysis
 - i. PHA Team
 - ii. PHA Techniques
 - 1. Checklist
 - 2. What-If
 - 3. What-If/Checklist
 - 4. HAZOP
 - 5. FMEA
 - 6. Fault Tree Analysis
 - iii. Choosing a Method
 - iv. Corrective Action
 - v. Declining Recommendations
- c) Risk Management Program
 - i. Hazard Assessments
 - ii. Worst-Case Scenario
 - iii. Alternate Release Scenario
 - iv. Five-Year Accident History



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- v. Prevention Program
- vi. Emergency Response

3) Communicate

- a) Operating Procedures
- b) Contractors
- c) Employer Responsibilities
 - i. Check Safety Performance
 - ii. Provide Safety & Hazard Information
 - iii. Ensure Safe Practices
 - iv. Verify Contractor's Performance
- d) Contractor Responsibilities
- e) Training
 - i. Refresher Training

4) Maintain

- a) Pre-Startup Review
- b) Mechanical Integrity
 - i. Mechanical Integrity Program
 - ii. Written Procedures
 - iii. Inspecting & Testing
 - iv. Quality Assurance
- c) Nonroutine Work Authorization
 - i. Hot Work Permit
 - ii. Confined Space Entry
 - iii. Entry Permit
 - iv. Lockout/Tagout
 - v. Energy Control Program
- d) Compliance Audits
 - i. Planning
 - ii. Staffing
 - iii. Conducting the Audit
 - iv. Evaluation Process
 - v. Documentation
 - vi. Trade Secrets

5) Re-Evaluate

- a) Management Change
 - i. Replacement in Kind
 - ii. Change
 - iii. Temporary Change



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- b) Emergency Response
 - i. What is Response?
 - ii. Program Development Team
 - iii. Relevant Documents
 - iv. Coordinating Programs
 - v. Coordinating Response
 - vi. Emergency Response Plan
 - vii. Site Mapping
 - viii. ERP Content Requirements
 - ix. Chain of Command
 - 1. Senior Official
 - 2. Incident Commander
 - x. Offsite Responders
 - xi. Emergency Equipment
 - xii. Training
 - xiii. Responders
 - xiv. Chain-of-Command Training
 - xv. Reviewing & Updating
 - xvi. Non-Responding Facilities
 - c) Incident Investigation
 - d) Staffing
 - e) Report
 - f) Review
 - g) Retain
- 6) Conclusion