

# LOSS CONTROL MINIMIZATION MEASURES AND PROCEDURES FOR METERING FACILITIES

## IPC020

### COURSE DESCRIPTION

This training course is aimed at providing hands-on experience on the application of loss prevention principles relevant to a wide variety of industries. This programmed will enable attendees to identify hazards, particularly those resulting from human error, evaluating risks and targeting resources to prevent accidents through effective risk management. The programmed will also provide familiarity with the concept of major hazards, accidents analysis and modern risk management techniques for planning and implementing action plans.

### COURSE GOAL

This is valuable and comprehensive course, providing cutting-edge asset protection processes. Based on several years of systematic research and field experience. It describes the most common loss problems along with a step-by-step process for diagnosing and treating these problems.

### COURSE OBJECTIVES

By the end of this course, participant will be able to:

- Identify the most prevalent and costly loss areas.
- Implement cost-effective programs to reduce loss.
- Design and execute asset protection programs to reduce errors, leading to safer and more successful operations.
- Identify loss threats, indicates how to best determine and prioritize those threats, and recommends proven programs and technologies that reduce theft vulnerability.
- Analyse the data collected through conducting a comprehensive survey to determine the risks and trends.
- Define, design, implement and maintain an effective loss control program.

### WHO SHOULD ATTEND

Facilities engineers, operations and maintenance supervisors, project engineers and managers, entry level process safety engineers, experienced professionals new to oil and gas, and anyone who needs a general understanding of the breadth of the process safety engineering discipline.

### COURSE DURATION

5 Working Days

## COURSE OUTLINES

### Identifying and Prioritizing Risks

#### 1. Security Surveys

- General Requirements
- Using theory to take action
- CPTED
- War of maneuver versus a war of attrition
- Discussion
- Historical data
- Assets to be protected
- Flow charting

#### 2. Data Analysis

- Possible and probable financial loss
- Assigning financial impact rates
- Probability of incident occurrence and causal probing
- Examining data
- Assigning loss incident probability rate
- Prioritizing risks

### Designing and Implementing Prevention Programs

#### 3. Loss Prevention Program Design

- Basic program focus
- Risk control countermeasures
- Protection program designs
- The protection plan
- Questions

#### 4. People

- In-house employees
- Outside personnel
- Loss control consultants

#### 5. Programs

- Loss control policies
- Loss control procedures

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- Protection programs
- Policy and procedure manuals
- Training employees
- Follow-up

## **6. Asset Protection Systems**

- Access control systems
- Lighting
- Alarms
- Other LP systems

## **7. Selecting Protection Equipment and Services**

- Specifications
- Bids
- Testing
- Negotiating the contract

## **8. Sample Protection Program**

- Where to begin
- How to prepare a loss control plan

## **9. Implementing the Program**

- Justification of the control program: making the business case
- Teamwork

## **Testing and Follow-Up Of The Loss Control Programs**

### **10. Auditing and Follow-Up**

- Inspections
- Effectiveness analysis
- Data collection
- Inspection/audit reports

### **11. Inventories**

- Method of inventory
- The inventory process
- Inventory tips

### **12. The Future**

- Industry trends

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