Incident Investigation

Course Price

£2750

Course Description

This short course is designed to provide attendees with the appropriate tools to apply technical and logical analysis regarding event Investigation, also to help identify and control the risks associated to the different processes within Oil and Gas Industry. Main objective also covers the administration of means so as to avoid incident occurrence that may affects health and safety of personnel, surrounding environment where operations takes place, company and contractors as well as reputation.

Course Objectives

- Learn the Purpose of Incident Investigation
- Learn how to set up, manage & participate in an investigation
- Learn Evidence Preservation Techniques
- Learn Interviewing Techniques
- Learn How to Analyze the Causes of Incidents
- Learn How to Establish Root Cause
- Learn How to Make Recommendations to Prevent Incident Recurrence
- Learn How to Write and Present Investigation Reports
- to review the incident investigation process
- to provide some practical techniques for use in participating or leading an investigation

Who Should Attend

Managers, Team Leaders, Superintendents, Area Authority, Performing Authority, Supervisors, Welders, Electricians, HSE Professionals

Course Content

- Defining Terms
- Example of the randomness of loss outcomes
- Near-Miss
Management Control of Loss
Why investigate incidents?
Immediate Causes
Basic Causes
Root Causes
Standard Terminology
Types of Incidents
Incident Reporting
Why report incidents?
The Accident Triangle (F.E. Bird, Jr.)
Risk Assessment and Incident Investigation
Continuous Improvement Processes
The Investigation Hierarchy
Incident
Case Study # 1: Injury to Employee
Kicking off the Investigation
The Investigation Team
Investigation Process
Steps to Conducting an Investigation
Energy Flow & Barriers
Summary
Sequence of Events (Timeline)
Preservation of Evidence
Interviewing Techniques
Contributing Factors
Human Factors
Case Study # 2: Team Exercise
Analyzing to Root Cause
Key Points About Root Cause (fault tree) Analysis
Root Cause Analysis: The How / Why Tree
Findings and Conclusions
The Incident Report and Recommendations
Making Appropriate Recommendations or Corrective Actions
Investigations – Things to Avoid
Presentations Tips
Small Group Exercise
Lessons Learned
Formal Investigation Report
Case Study # 3: Team Exercise

CPD Unit

Continuing Professional Development

21 HOURS CPD