

# Hazard Identification and Risk Assessment (HIRA)

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14-18 March 2021 (5 days)

Virtual Training



## Introduction

Hazards at workplace remain significant occupational health and safety issue across all industries. There could be risk either personal or collective, if not addressed in time could yield in major mishap. Furthermore, if workers lack skills to identify hazards, it multiplies up the risk quotient. This can be tackled through training the workers on hazard identification and risk assessment (HIRA) techniques to create a safe place, plant, equipment and most importantly a safe person.

Over a period of time, hazards become part of the environment and one tends to ignore them completely due to overfamiliarity. Hazard identification and risk assessment is an ongoing process. Constant monitoring of hazard controls will need to be done to ensure compliance with legal system. HIRA should be undertaken at various times including:

- If the work has not been done before
- When a hazard has been identified
- When a change in the workplace occurs
- After an incident, accident or workplace illness
- At regularly scheduled times appropriate to the workplace

## Learning Outcome of HIRA Training

By the end of the course, the learner will be able to:

- explain the:
  - Hazard identification and risk assessment processes
  - Different types of hazard identification and risk assessments in the workplace.
- select the appropriate hazard identification and risk assessment methods for different circumstances
- describe and apply the techniques used in hazard identification and risk assessment in the workplace
- conduct a risk assessment using the HIRA methodology
- identify applicable control measures.
- Define hazard and risk
- Define hazard identification risk assessment (HIRA)
- List the objectives of HIRA
- Classification of Hazards
- Identify hazard and hazardous event
- Describe reasons of hazard identification
- List important hazard recognition methods

- Hazard reporting
- Five-step approaches of risk assessment
- Hierarchy of risk controls
- Benefits of risk control
- Legal requirements of risk control
- Responsibilities of employer to control risk

### **Course Outline**

This practical course will provide the successful learner with the necessary tools and skills to enable them to carry out hazard and risk assessments in their workplace. The aim of the course is to enable these people to make responsible and informed contributions to the health and safety effort in their workplace.

### **Methodology**

This instructor led training is delivered using a blended learning approach and comprises of presentations, guided sessions of practical exercise and group work.

You will have the opportunity to interact with our experienced facilitator who will bring professional and research expertise into their teaching.

### **Benefits of Risk Assessment HIRA Training**

HIRA helps in recognizing and controlling hazards in your workplace before harm occurs. It also creates awareness among your employees and can be used as a training tool as well. So that employees do not get redundant at workplace, this particular training definitely helps in maintaining the level of risk-based thinking in them. Organization is able to set risk management standards, based on acceptable safe practices and legal requirements. Without doubt, regular HIRA training reduces incidents in the workplace and helps in maintaining the safety culture. Last but not the least, safety training saves costs by being proactive instead of reactive!

### **Typical Course Candidates**

- Managers - Operations, Safety and Executive
- Engineers - Process, Safety and Mechanical
- Compliance Auditors, Safety Inspectors
- Environmental Management and Technicians

## Course Duration

5 days

## Assessment

- Various activities will be completed during class and as homework
- Written assessment to be done at the end of the course
- Learners must achieve a minimum of 70%



## Instructor

### Course Instructor – Wes Scott, PhD, MPH, PE

Dr. Scott, a retired military officer has over 30 years-experience in the engineering, environmental, biomedical, industrial hygiene and occupational safety and health fields. Dr. Scott has managed consulting projects in many different countries around the world and is a Registered Professional Engineer, ISO 14001 Lead Auditor, ISO 9001, OHSAS 18001 Internal Auditor, Certified Safety Professional, Certified Industrial Hygienist

Dr. Scott has worked with the National Safety Council (USA), US Army, The Army Corps of Engineers, Federal Emergency Management Agency, The Center for Intelligence and Smith Klein Medical Laboratories. He currently serves as the President and CEO of Global EHSS Leadership Solutions. Dr. Scott has been appointed by the US Secretary of Labor to serve on the NACOSH Committee with his term ending in 2018.