

# ACCIDENT INVESTIGATION



## INTRODUCTION

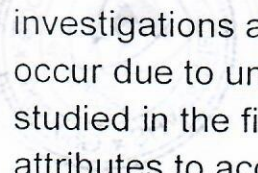
Thousands of accidents occur throughout the world every day. The failure of people, equipment, supplies, or surroundings to behave or react as expected causes most of them. Accident investigations determine how and why these failures occur. By using the information gained through an investigation, a similar, or perhaps more disastrous, accident may be prevented. It is important to conduct accident investigations with prevention in mind. You are required thoroughly study Unit 1 Fundamentals of safety of this subject before attempting this Unit.

### Accident investigation

Accidents occur when hazards escape detection during preventive measures, such as a job or process safety analysis, when hazards are not obvious, or as the result of combinations of circumstances that were difficult to foresee. A thorough accident investigation may identify previously overlooked physical, environmental, administrative, or process hazards, the need for new or more extensive safety training, or unsafe work practices. The primary focus of any accident investigation should be the determination of the facts surrounding the incident and the lessons that can be learned to prevent future similar occurrences. Accident investigation will determine how and why failures, examine possible corrective action. Accident prevention is an aid in the accident prevention and elimination of a clearly identified hazard. But the important point you have to keep in mind is accident investigation is not intended to place blame.

### Steps for investigation

As you know an Accident is an unintended happening or mishap which may harm people, damage property and environment and Near miss can be defined as "an incident which does not result in any injury, death or any other loss". But the near miss is to be treated with the same seriousness as for an accident, tomorrow the same may result in an accident. Accident



investigations are to be conducted for a near miss also. Accidents normally occur due to unsafe actions or unsafe conditions which you have already studied in the first unit of this subject. These unsafe actions or condition attributes to accidents due to lack of knowledge, careless attitudes, working without authority, lack of ability, poor tools and equipment, taking short cuts or horseplay.

### Session Objectives

You will be able to:

- Understand your role in the investigation process
- Gather facts
- Talk to witnesses
- Determine causal factors
- Identify corrective actions

### Why Investigate Accidents?

- Determine the root cause
- Identify corrective actions
- Prevent the accident from happening again
- Document the accident
- Complete OSHA-required reporting

### You Have Key Roles

- Report any accident or near-miss immediately
- As a witness, describe what you observed
- Provide your knowledge of normal operating practices in the situation
- Suggest corrective actions

### Accident Investigation Team

- Employees trained to investigate accidents
- Safety committee member
- Supervisor
- Safety manager
- Production manager
- Plant manager

**For More Notes Contact us:**

**Shark International Safety Technologies**

**Email: [info@sistindia.org](mailto:info@sistindia.org) | [info.sistindia@gmail.com](mailto:info.sistindia@gmail.com)**

**Call : +91-9603 881 038 | +91-9700 459 909**