



Personal Protective Equipment (PPE)

- Personal Protective Equipment is intended to protect employees from hazards. There are specific protective equipment's for specific job. PPE will protect you only if used it in the intended way.
- PPE is working barrier between harm and human body.



Costs of Accidents

Any accident or instance of ill-health generates both direct and indirect costs, including both insured and uninsured expenses. It is crucial to consider all of these costs when calculating the total cost of an accident. According to a study conducted by the HSE, it was revealed that indirect or hidden costs could be 36 times higher than the direct costs of an accident.

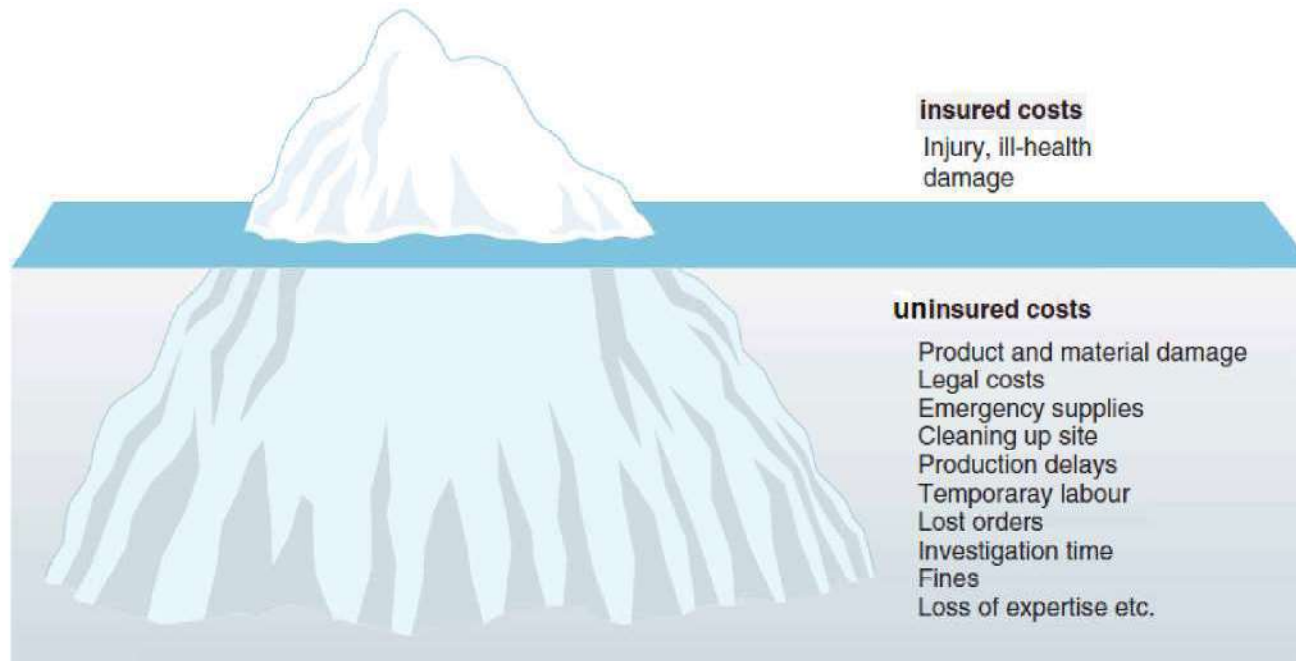


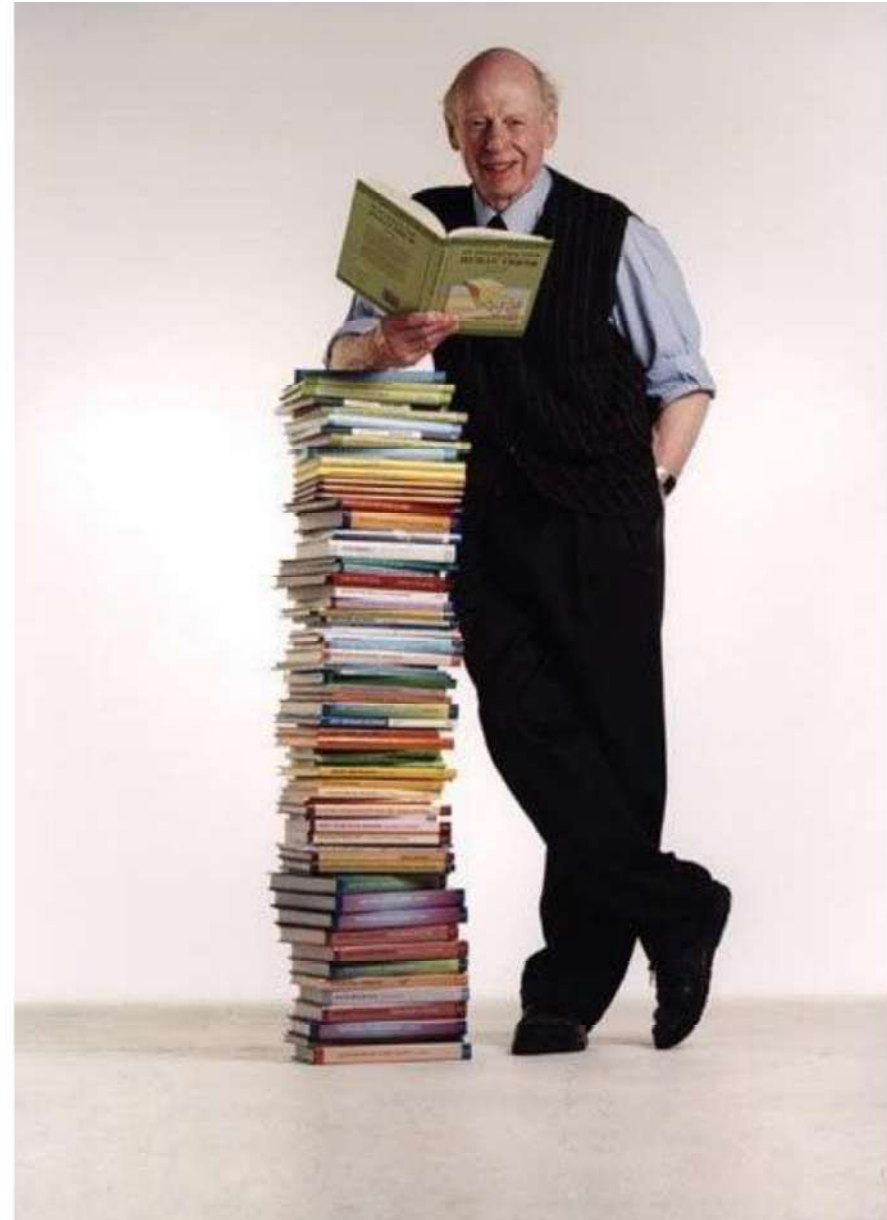
Figure: Insured and uninsured costs.

Safety: An Investment That Saves

“Safety is, without doubt, the most crucial investment we can make. And the question is not what it costs us, but what it saves.”

Robert E McKee, Chairman and Managing Director,
Conoco (UK) Ltd

**” If you think safety is expensive, try
accident.” Dr. Trevor Kletz**



The Framework for Health And Safety Management

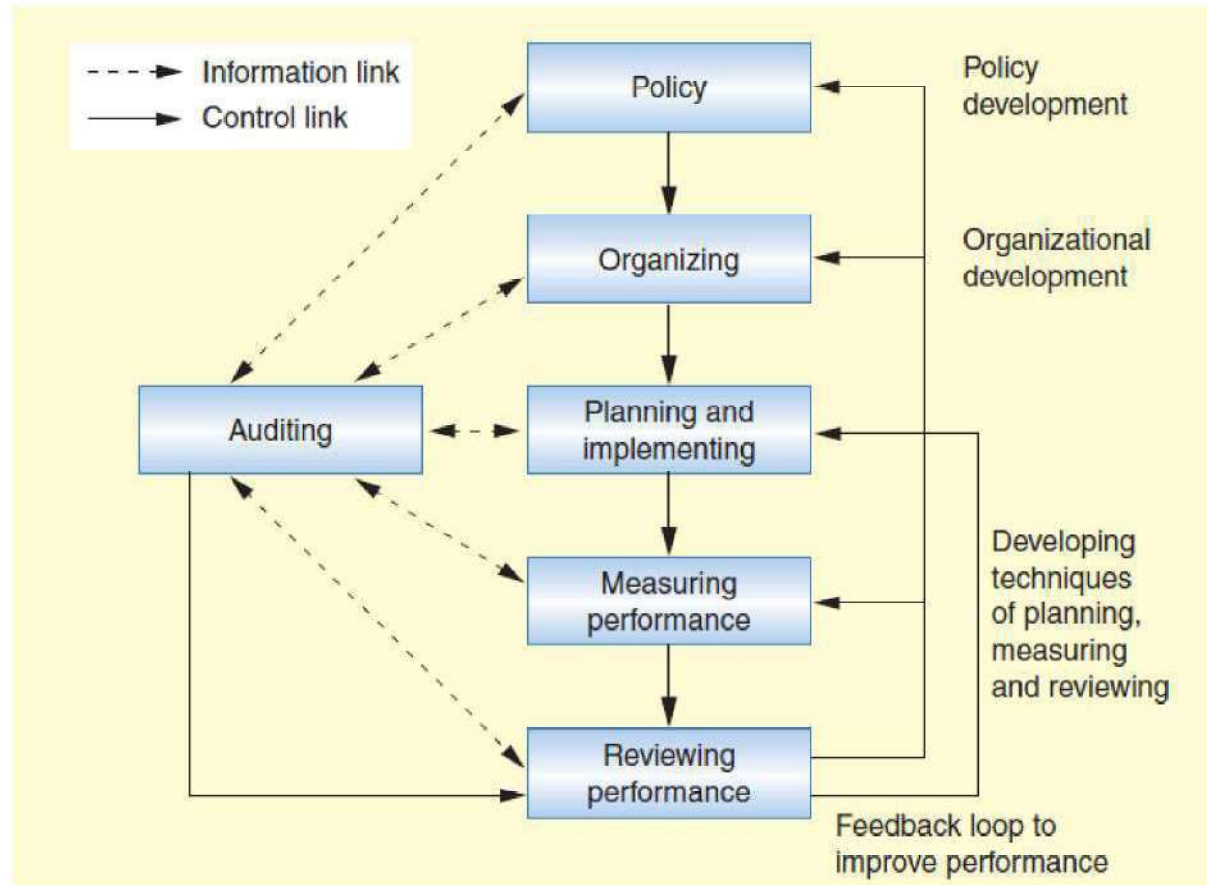


Figure: Key elements of successful health and safety management

The Framework for Health And Safety Management

Performance measurement should cover all elements of the figure below and be based on a balanced approach which combines:

1. Input
2. Process
3. Outcome



Figure: Health and safety management system

The Framework for Health And Safety Management

- 1. Input:** monitoring the scale, nature and distribution of hazards created by the organization's activities – measures of the hazard burden
- 2. Process:** active monitoring of the adequacy, development, implementation and deployment of the health and safety management system and the activities to promote a positive health and safety culture – measures of success.
- 3. Outcome:** reactive monitoring of adverse outcomes resulting in injuries, ill-health, loss and accidents with the potential to cause injuries, ill-health or loss – measures of failure.

Report Writing

The following list shows a frequently used method of producing a report, but always bear in mind that different organizations use different formats. It is important to check with the organization requesting the report in case their in-house format differs.

1. Title page
2. Summary
3. Contents list
4. Introduction
5. Main body of the report
6. Conclusions
7. Recommendations
8. Appendices
9. References.

A purple rectangular box with a white background and a thin purple border. The text 'KEEP IT SHORT AND SIMPLE' is centered in the box in a bold, black, sans-serif font.

KEEP IT SHORT AND SIMPLE

Permit to Work Procedure / Work Permit System

- The "Permit to Work" (PTW) Procedure is a formal written system that utilizes a document to control work through the identification of potential hazards and risk assessment.
- The work permit is also a means of communication among various supervisors or their respective belonging to operation, maintenance, controlling teams and contract personnel, who are involved in work preparation and / or its execution.



Types of Work Permit Normally Use

1. Hot Work Permit
2. Cold Work Permit
3. Radiography Permit
4. Vehicle/Mobile Plant Entry Work Permit
5. Confined Space Entry Permit

Types of Work Permit Normally Use

Cold Work Permit: A document that specifies precautions, identifies hazards, and controls all work that is neither hot nor radiographic in nature.

Hot Work Permit: A document that specifies precautions, identifies hazards, and controls all work involving actual naked flames, sparks, or the potential for creating sparks or heat.

Radiography Work Permit: A document that specifies precautions, identifies hazards, and controls all work involving radiographic procedures.

Vehicle / Mobile Plant Entry Permit: A document that specifies precautions, identifies hazards, and controls all work involving the entry of a vehicle or mobile plant into a hazardous area.

Confined Space Entry Permit: A document that specifies precautions, identifies hazards, and controls all work involving entry into an enclosure with limited means of entry or exit, not designed for continuous occupancy.

Key Elements of A Work Permit Form

It is a form signed by higher responsible individuals to authorize the execution of a specific job. It clearly outlines:

- What needs to be done
- Where it will take place
- When it will occur
- The safety precautions to be observed