



HAZARD

Anything with the potential to cause **HARM** e.g. a moving vehicle

HARM

- Injury or ill health e.g. death, a broken bone, asbestosis or stress
- Damage to plant or equipment, to property or the environment e.g. vehicle damage or a fire
- Production losses or increased liability e.g. broken production line or increase in risk to employees

RISK

Risk is the **combination** of the hazard actually causing harm (**likelihood**) and the **severity** of the harm (the actual effect)

Foreseeable

Hazards and risks have to be reasonably foreseeable to justify control

Definition - It is the possibility to perceive, *know* in advance or reasonably anticipate that damage, injury or loss could or will occur as a result of an act or omission.

Foreseeability requires *knowledge*

- *Knowledge* of the common man
- *Knowledge* of industry
- *Knowledge* of experts
- If it is *known* about it is *foreseeable* so it has to be controlled SFARP

Your employer is **legally** required to:

Ensure SFARP the health, safety and welfare of those at work or affected by their activities

Identify the hazards from the work, premises, tools, plant, people etc etc

Introduce suitable and sufficient controls to eliminate the risks or manage them SFARP

Record their assessments

Tell you about the hazards and the controls to be put in place

Provide health surveillance or medicals if required

You are **legally** required to:

Look after the safety and health of yourself and others

Comply with any safety arrangements put in place

Follow any training you are given

Not interfere with anything provided for safety

Report safety failings, accidents, unsafe work etc

Only complete activities you are *competent* to do

Assist your employer in meeting its duties – could include completing a risk assessment

Remember if it feels unsafe – it probably is

So what is a risk assessment?

The Health and Safety Executive (HSE) says:

*"A **risk assessment** is nothing more than a careful examination of what, in your work, could cause harm to people.*

The person completing the risk assessment must be competent."

5 Steps to Risk Assessment

1. Identify the hazard
2. Identify who could be harmed and how
3. Evaluate the risks (potential likelihood and severity of harm) and introduce suitable controls
4. Record and brief the findings of the assessment
5. Monitor, review and update the risks assessment

A simple risk control hierarchy (follow in order)

1. **E**liminate the Hazard
2. **R**educe the potential harm or risk
3. **I**solate the hazard
4. **C**ontrol any risk
5. **S**afe systems of work (and trained people)
6. **P**PE

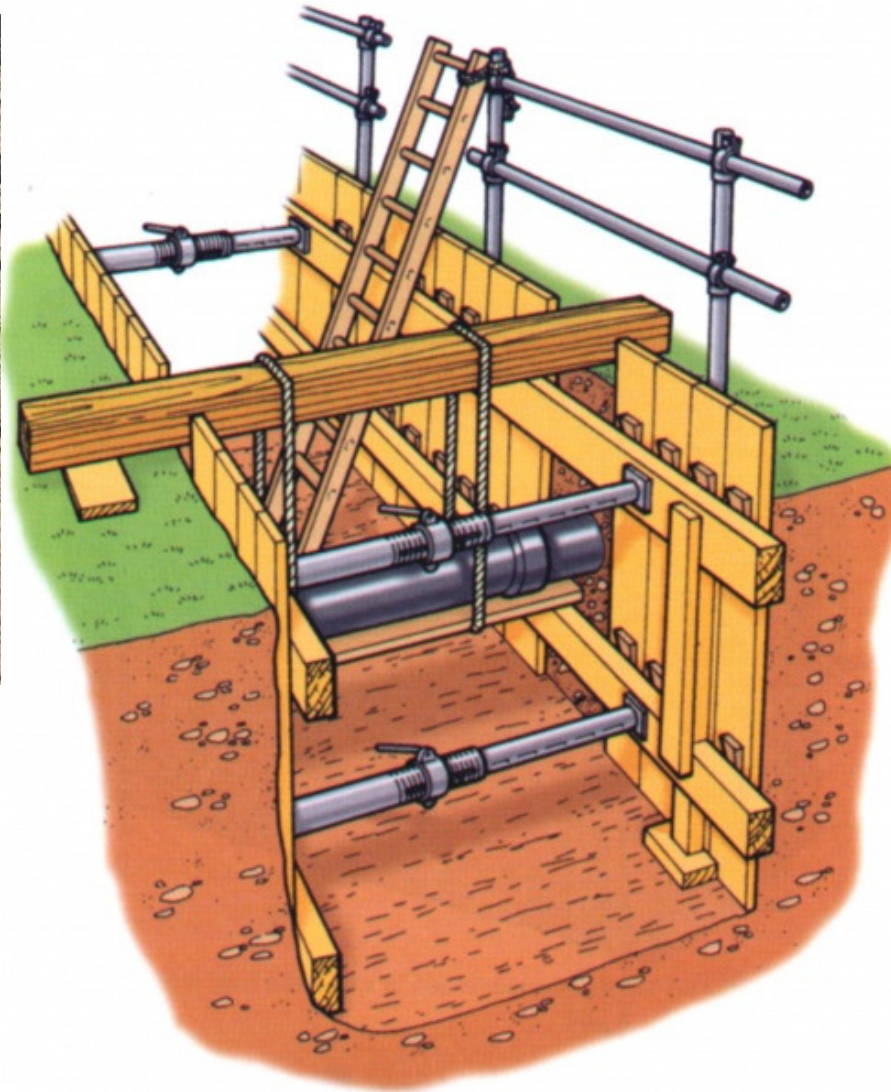


An orange excavator is positioned in a grassy field, with its arm extended. In the background, several high-voltage power lines and their supporting towers are visible against a clear blue sky. The excavator is a tracked model with a black cab and orange body. The ground is uneven and appears to be a construction or clearing site.

HAZARD IDENTIFICATION

WARNING !
CONTAINS GRAPHIC AND
- DISTURBING IMAGES -

Typical Hazards - Excavations



Typical Hazards – Overhead Power Lines



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Typical Hazards – Machinery & Drains



Typical Hazards – Access and Egress



- 57% of all major accidents result from trips and slips
- 30% of all over 7-day absence injury result from trips and slips
- Over 14,000 slip and trip accidents (over 7 day) occur every year



Typical Hazards - Weedscreens



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Typical Hazards – Working at Height



Typical Hazards - chainsaws



TRAUMA BAY
Semi-Upright



Head Injuries 3,418

Upper Body Area 2,141

Arm and Hand Area 17,994

Leg Area 16,348

Foot Area 2,885

Accident location and frequency
as related to chain saw use (1994)
U.S. Product Safety Commission



Further Assistance

For additional information, assistance, advice, training courses and health and safety assessment

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