



HOT WORK SAFETY

SAFETY TOPIC
SEPTEMBER 2026



BE ALERT.
CONTROL THE RISK.
PREVENT FIRES.

PLAN AHEAD. WORK SAFELY. GO HOME SAFE.

WHY IS THIS IMPORTANT?

Hot work activities, such as welding, cutting, grinding, or soldering, involve ignition sources that can lead to fires, explosions, or injuries if not controlled:



FIRE AND EXPLOSION PREVENTION –

Sparks or heat can ignite flammable materials.



PERSONAL SAFETY –

Reduces risk of burns, eye injuries, and respiratory hazards.



PROPERTY PROTECTION –

Prevents damage to equipment, facilities, and materials.



COMPLIANCE –

Meets legal and regulatory requirements for workplace safety.



RECOGNIZING THE HAZARDS

Common hot work hazards include:



Sparks or molten metal landing on flammable surfaces



Gas leaks or accumulation of combustible vapours



Working near flammable liquids, gases, or dust



Inadequate ventilation leading to fume or smoke inhalation



Lack of fire watches or proper supervision



WORKPLACE EXPECTATIONS & POLICIES



HOT WORK PERMITS –

Required before performing welding, cutting, or grinding operations.



FIRE WATCH –

Designated personnel must monitor the area during and after hot work.



EQUIPMENT CHECKS –

Inspect tools, gas cylinders, and fire suppression equipment before use.



REPORTING –

Immediately report unsafe conditions or incidents.



PPE –

Use flame-resistant clothing, gloves, face shields, and appropriate respiratory protection.



HOW TO STAY SAFE



Remove or protect flammable materials from the hot work area.



Ensure proper ventilation to minimize exposure to fumes or smoke.



Keep fire extinguishers and other firefighting equipment nearby.



Follow all hot work permit procedures and guidelines.



Never leave hot work unattended; monitor the area after completion.



A MOMENT
OF CARELESSNESS
CAN CAUSE
A LIFETIME OF
REGRET.



CONCLUSION

Hot work safety is critical in preventing fires, injuries, and property damage in industrial environments. Proper planning, use of PPE, adherence to permits, and active supervision ensure a safe workplace during all hot work operations.



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Changing Safety Culture

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