



UNIVERSITY OF WYOMING

Standard Operating Procedure Hot Work (29 CFR 1910.252)

This Standard Operating Procedure (SOP) supports the UW Hot Work Permit Program and describes the procedures for pre-work, during hot work, post hot work, and prohibited practices during hot work.

Procedure:

Pre-Work:

Contact UW Operations or a property manager to isolate the HVAC system for interior work and to locate intake vents on the building exterior.

Inspect the hot work area and identify potential hazards and control those hazards. All flammables and combustibles within a 35 foot radius must be moved to a safe distance or shielded.

Cover all penetrations in walls, ceilings, and floors within a 35-foot radius of the hot work. Protect combustible floors (for example, wood) by wetting down or covering with a non-combustible drop cloth.

Place non-combustible or flame-resistant screens so personnel in adjacent areas are protected from arc flash, heat, flames, and welding slag.

Complete a hot work permit. Obtain authorization from a Designated Supervisor and post the permit at the work site.

Post warning signs in the area to warn nearby personnel of the hot work.

Fully charged and operable fire extinguishers shall be available immediately at the hot work area. These extinguishers shall be supplied by the group performing the hot work. Existing fire extinguishers located in the hot work area are permitted to be utilized for Fire Watch activities.

Silence the fire alarm and, if necessary, cover sprinkler heads and smoke detectors in the immediate hot work area with wet rags or other non-combustible materials so they will not activate during the work.

Conduct air monitoring, if necessary.

During Hot Work:

Maintain a fire watch in close proximity to the hot work for the duration of the hot work activity plus 30 minutes after completion of work.

Place welding hoses so that they will not be crushed or damaged.



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Conduct air monitoring, if necessary.

Post Hot Work:

Maintain a fire watch for at least 30 minutes after the hot work is completed.

Ensure fire extinguishing equipment is accessible throughout the fire watch time period.

Reactivate the fire alarm and remove all covers from sprinkler heads and smoke detectors upon hot work completion.

Complete the appropriate sections of the hot work permit and return the permit to the Designated Supervisor.

Prohibited Practices During Hot Work:

If any of the below conditions exist, stop work and contact your supervisor.

The area fire suppression system (for example, sprinkler, halon) is inoperable.

The area has potential to contain an atmosphere of explosive gases, vapors, or dusts (for example, confined spaces, containers).

There are containers or tanks where flammable, liquids, solids, or vapors may be present within 35 feet of hot work.

There are pipes that are in contact with combustible walls, ceilings, roofs, or partitions where heat transfer may cause ignition.

Surfaces may contain lead, asbestos, or other materials that could give off toxic fumes, vapors, or particulates.

References:

29 CFR 1910.252