

University of Missouri

HOT WORK PERMIT

Seek an alternative/safer method if possible

Before initiating hot work, ensure precautions are in place as required by NFPA 51B and ANSI Z49.1.
Make sure an appropriate fire extinguisher is readily available.

This Hot Work Permit is required for any operation involving open flame or producing heat and/or sparks. This work includes, but is not limited to, welding, brazing, cutting, grinding, soldering, thawing pipe, torch applied roofing, or chemical welding.

Date	Hot Work by: Employee Contractor
Location / Building / Floor / Room #:	Name (Print) and Signature of person doing Hot Work
Work to be performed:	I verify that the above location has been examined, the precautions marked on the checklist below have been taken, and permission is granted for this work.
Time Started _____ Time Completed _____	_____ Name (print) and signature of permit-authorizing individual (PAI)
Time Fire Watch Completed _____	_____ Name (print) and signature of person performing Fire Watch
THIS PERMIT IS GOOD FOR ONE DAY ONLY	

Yes N/A

Available sprinklers, hose streams, and extinguishers are in service and operable.

Hot Work equipment is in good working condition in accordance with manufacturer's specifications.

Special permission obtained to conduct hot work on metal vessels or piping lined with rubber or plastic.

Requirements within 35 ft (11 m) of hot work

Flammable liquid, dust, lint and oily deposits removed.

Explosive atmosphere in area eliminated.

Floors swept clean and trash removed.

Combustible floors wet down or covered with damp sand or fire-resistive / noncombustible materials or equivalent.

Personnel protected from electrical shock when floors are wet.

Other combustible storage material removed or covered with listed or approved materials (welding pads, blankets, curtains, fire-resistive tarpaulins), metal shields, or non-combustible material.

All wall and floor openings are covered.

Ducts and conveyors that might carry sparks to distant combustible material are covered, protected, or shut down.

Requirements for hot work on walls, ceilings or roofs

Construction is noncombustible and without combustible coverings or insulation.

Combustible material on other side of walls, ceilings, or roofs is moved away.

Yes N/A

Requirements for hot work on enclosed equipment

- Enclosed equipment is cleaned of all combustibles.
- Containers are purged of flammable liquid / vapor.
- Pressurized vessels, piping, and equipment removed from service, isolated, and vented.

Requirements for hot work fire watch and fire monitoring

- Fire watch is provided with suitable extinguishers and, where practical, a charged fire hose.
- Fire watch is trained in use of equipment, sounding alarm, and notification of emergency contacts.
- Fire watch is required in adjoining areas, or above and below the work area.
- Per the PAI / fire watch, monitoring of hot work area is required, per the table below.

Construction Factors

Occupancy Factors	Noncombustible construction		Combustible construction without concealed cavities		Combustible Construction with unprotected concealed cavities	
	Fire Watch	Monitor	Fire Watch	Monitor	Fire Watch	Monitor
Noncombustible with any combustibles contained within closed equipment (e.g., ignitable liquid within piping)	30 minutes	0 hours	1 hour	3 hours	1 hour	5 hours
Office, retail or manufacturing with limited combustible loading	1 hour	1 hour	1 hour	3 hours	1 hour	5 hours

POST A COPY OF THIS PERMIT IN/NEAR THE HOT WORK AREA.

Admin: University employees shall file hot work permits in departmental safety file records.

Contract personnel shall file copies of permits in the University of Missouri Project Management File System.