

IOWA

HOT WORK PERMIT

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STOP!

Avoid hot work when possible! Consider using an alternative cold work method.

This Hot Work Permit is required for any temporary operation involving open flames or producing heat and/or sparks conducted outside a Hot Work Designated Area. This includes, but is not limited to brazing, cutting, grinding, soldering, torch-applied roofing and welding.

Instructions for Permit Authorizer

1. Specify the precautions to take.
2. Fill out and keep **Part 1** during the hot work process.
3. Issue **Part 2** to the person doing the job.
4. Keep **Part 2** on file for future reference, including signed confirmation that the post-work fire watch and monitoring have been completed.
5. Sign off the final check on **Part 2**.

HOT WORK BY

☐ Employee

☐ Contractor

DATE

JOB NUMBER

LOCATION OF WORK (BUILDING/FLOOR/OBJECT)

WORK TO BE PERFORMED

NAME OF PERSON PERFORMING HOT WORK

NAME OF PERSON PERFORMING FIRE WATCH

I verify the above location has been examined, the Required Precautions have been taken, and permission is authorized for this work.

PERMIT AUTHORIZER (PRINT AND SIGN)

THIS PERMIT EXPIRES ON (LIMIT AUTHORIZATION TO ONE SHIFT):

DATE:

TIME:

☐ AM

☐ PM

**Note:** Emergency notification on back of form.

Additional FM Resources:

Property Loss Prevention Data Sheet 10-3, *Hot Work Management*

Hot Work Permit form (F2630) via [fmcatalog.com](https://fmcatalog.com)

Online training at [fm.com/training-center](https://fm.com/training-center)

FM Approved equipment via [fmapprovals.com](https://fmapprovals.com)

Part 1

Y NA

- ☐ The fire pump is in operation and switched to automatic.
- ☐ Control valves to water supply for sprinkler system are open.
- ☐ Extinguishers are in service/operable.
- ☐ Hot work equipment is in good working condition.

Requirements within 35 ft. (10 m) of hot work

- ☐ Shield combustible construction using listed (e.g., FM Approved) welding pads, blankets and curtains.
- ☐ Remove or shield nonremovable combustibles using listed (e.g., FM Approved) welding pads, blankets and curtains.
- ☐ Isolate potential sources of flammable gas, ignitable liquid or combustible dust/lint (e.g., shut down equipment).
- ☐ Remove ignitable liquid, combustible dust/lint and combustible residues.
- ☐ Shut down ventilation and conveying systems.
- ☐ Remove combustibles and consider a second fire watch on opposite side of floor, wall, ceiling or roof when openings exist or thermally conductive materials pass through.
- ☐ Is work on a combustible building assembly (e.g., torch-applied roofing)? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Hot work on/in closed equipment, ductwork or piping

- ☐ Isolate equipment from service.
- ☐ Remove ignitable liquid and purge flammable gas/vapor.
- ☐ Prior to work, and/or during work, monitor for flammable gas/vapor. LEL reading(s):
- ☐ Remove combustible dust/lint or other combustible materials.
- ☐ Is work on/in equipment with nonremovable combustible linings or parts? If yes, provide **ADDITIONAL REQUIRED PRECAUTIONS** below.

Fire watch/fire monitoring the hot work area

Times listed are sufficient for majority. Use Table at back of permit for guidance for combustible concealed cavities, roof work or favorable factors.

- ☐ Perform a continuous fire watch during hot work.
- ☐ Perform a continuous fire watch post-work for

☐ 1 hour or Other hours.
- ☐ Perform fire monitoring for

☐ 3 hours or Other hours.

ADDITIONAL REQUIRED PRECAUTIONS:



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## HOT WORK IN PROGRESS! Watch for fire!

**ADDITIONAL REQUIRED PRECAUTIONS:**

# WARNING

## HOT WORK IN PROGRESS! Watch for fire!

In case of emergency, call the contacts listed below before attempting to extinguish the fire.

Site Location	Number
UIHC Medical Center on the University Campus	195
All other University facilities or properties	911

### Construction and Occupancy Factors for Post-Work Fire Watch and Monitoring Periods For University of Iowa and University of Iowa Health Care

		Construction Factors					
		Noncombustible construction or FM Approved Class 1 building materials		Combustible construction without concealed cavities		Combustible construction with unprotected concealed cavities	
		Watch	Monitor	Watch	Monitor	Watch	Monitor
Occupancy Factors	Noncombustible with any combustibles contained within closed equipment (e.g., ignitable liquid within piping)	1 hour	0 hours	1 hour	3 hours	1 hour	5 hours
	Office, classroom, healthcare, retail or manufacturing with limited combustible loading	1 hour	3 hours	1 hour	3 hours	1 hour	5 hours
	Manufacturing with moderate to significant combustible loading except as noted below	1 hour	3 hours	1 hour	3 hours	1 hour	5 hours
	Warehousing	1 hour	3 hours	1 hour	3 hours	1 hour	5 hours
	<b>Exceptions:</b> Occupancies with processing or having bulk storage of combustible materials capable of supporting slow-growing fires (e.g., paper, pulp, textile fibers, wood, bark, grain, coal or charcoal)	1 hour	3 hours	1 hour	3 hours	1 hour	5 hours

When performing torch-applied roofing, apply additional precautions and conduct a minimum 2-hour fire watch and 3 hours fire monitoring. When performing hot work on/in equipment containing nonremovable combustible linings or parts, apply additional precautions and conduct a minimum 1-hour fire watch and 3 hours fire monitoring within the equipment, and in the surrounding areas per table above.

For more information on hot work management, refer to the University of Iowa Policy 1140134.

### Completed Hot Work Permits Should be Returned to the Locations Listed Below:

Site Location	Permit Return Location
UIHC – All Permits	UIHC Fire & Life Safety
All Other Locations (Non-UIHC) – Capital Projects	General Contractor for project duration
All Other Locations (Non-UIHC) – All Other Permits	Permit Authorizer to be retained for FM audit

