

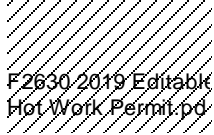
Hot Work

Permit Program

Revised January 30, 2024

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Executive Director Mining Center & Workforce Development.
Each department must designate a properly trained person as a Firesafety Supervisor. This person must understand the FM Global hot work permit system. For a hot work permit to be valid, it must be first signed and issued by a Firesafety Supervisor.

2.2 Managers, Supervisors, Project Leaders

Individuals who have a supervisory responsibility play a key role in the hot work permit program. They have responsibility for:

- x Ensuring that the FM hot work permit system is being followed.
- x Ensuring that their subordinates are trained and understand the applicable provisions of the program.
- x Ensuring that their subordinates fulfill all requirements before any hot work is performed, including:
 - o Ensuring that the Facilities and Safety-Security Department is contacted.
 - o Ensuring that, where installed, the building fire alarm system is in working order.
 - o Ensuring that, where installed, the building fire sprinkler system is operational.

2.3 Individuals Performing Hot Work

Individuals performing the hot work play what is perhaps the most important role in the program. They are responsible for:

- x Receiving training on the hot work permit program and their responsibilities.
- x Obtaining approval and hot work permits from a firesafety supervisor.
- x Ensuring that conditions are safe before commencing the hot work.
- x Being prepared to contact their firesafety supervisors should conditions change or warrant reassessment during the hot work project.
- x Using appropriate personal protective equipment (PPE) while performing hot work (welding helmets, safety glasses, gloves, jackets, etc.).
- x Completing the appropriate section(s) of the hot work permit.

2.4 Firewatches

- x Receiving training on the hot work permit program and their responsibilities.
- x Being aware of the inherent hazards involved in the hot work.
- x Ensuring that safe conditions are maintained during the hot work.
- x Ensuring that appropriate fire extinguishers are herw1.2ot c -0.004 Tac 0 Tw (

- x Activating the nearest fire alarm in the event if fire.
- x Knowing how to report a fire or other emergency.
- x Maintaining the watch for at least 1 hour after the work is completed.
- x Using the appropriate PPE

2.5 Facilities Management

Facilities Management (Director and Assigned Supervisors) shall recognize its responsibility for safe usage of welding, cutting and other spark or flame producing, I(e)-10 t

3.1 Hot Work Permit Forms

The hot work permit form from FM Global shall be utilized. A sample is located in Appendix A. The Hot Work Permit procedure is as follows:

1. **Prior to start** of any hot work operation, the Firesafety Supervisor must personally **examine the work area** to confirm that the following minimum precautions (also listed on **FM Global Hot Work Permit**) have been taken:

4. The Firesafety Supervisor signs the permit, removes **Part 1** and gives **Part 1a** and **Part 2**

Required Precautions

- 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 residue.
- Shut down ventilation and conveying systems.
-

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- Remove ignitable liquid, combustible dust/lint and combustible residue.
- 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.
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HOT WORK IN PROGRESS!