

# Hot Works Guideline

## Before Hot Work

Avoid hot work when possible! Consider using an alternative cold work method  
All hot works requires an approved RMIT hot works permit, and site based hot works permit

### **Protect the area**

- Verify automatic fire protection system are in service
- Verify on site water supplies serving fire protection systems (sprinklers) are in service
- Verify that they are no active or planned fire protection systems impairments near the hot work area
- Provide manual firefighting equipment including supplemental fire extinguishers or firefighting hose

### **Prepare the Hot Work Area**

- Define the hot work area 10m horizontally from the hot work and 5m above
- Remove combustible equipment, storage, and similar material for the hot work area
- Shield non-movable combustible materials
- Contain hot work ignition sources
- Remove combustible accumulations (debris, dust/lint, or residues)
- Isolate potential sources of flammable gas, ignitable liquid, and/or combustible lint/dust
- Use safety programs such as Lock Out Tag Out, Confined Space entry, line breaking
- Protect or shutdown ventilation systems and automatic transport systems in the hot work areas

## Precautions during Hot Work

- Continuously supervise the hot work area and the person performing the hot work
- Ensure hot work ignition sources are confined within the defined hot work area
- Maintain required precautions in place
- In the event of a fire notify emergency contacts prior to attempting to extinguish the fire, regardless of size

## After Hot Work is concluded

**1 hour Post Work-Fire Watch:** Perform a continuous post -work fire watch over the entire area hot work area including areas requiring a second fire watch.

**3 hours Fire Monitoring:** After the post fire watch has concluded perform fire monitoring within the hot work area

Types of fire monitoring:

- Smoke Detection System
- Operator routinely present to hot work area
- Personnel to intermittently patrol the hot work area for fire safe conditions. At minimum, patrol the hot work area at least every 15 minutes
- ❖ Combustible construction with unprotected concealed cavities
  - 1 hour fire watch
  - 5 hours fire monitoring

### **References**

- FM Global Property Loss Prevention Data Sheets 10-3
- FM Global Property Loss Prevention Data Sheets 3-26

Link: <https://www.fmglobal.com/research-and-resources/fm-global-data-sheets>

**DEFINITIONS AND ACRONYMS/KEYWORDS**

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| <b>Definitions and acronyms:</b> | Terms used should be included for clarification. Shall be consistent with the relevant policy where applicable, acronyms should be used sparingly.   |
| <b>Hot Works</b>                 | Hot work is defined as any work involving open flames producing heat and / or sparks. This includes but is not limited to blazing, grinding, cutting, and soldering, thawing pipes, welding or torching. |

**AMENDMENT RECORD**

| <b>Issue No</b> | <b>Issue Date</b> | <b>Nature of Amendment</b> |
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