

# Sterling Heights Fire Prevention Division

Name and Address of Business: \_\_\_\_\_

- **Seek an alternative/safer method if possible!**
- Before initiating hot work, ensure precautions are in place as required by NFPA 51B.
- 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, and torch-applied roofing. (NFPA 51B).

## INSTRUCTIONS- Post at work site for duration

1. Hot Work Operator – Examines the site, completes the permit, and performs the hot work.
2. Permit Auditing Individual (PAI)- A trained person who verifies the site and verifies completeness of the permit prior to the work beginning.
3. Fire Watch - Trained person stationed on-site during, and for a minimum of 1 hour after hot work to watch the area for a fire.
4. Note: All Fire Watch and Monitoring activities can be extended based on conditions and hazards present during work or at the request of the PAI, U-M Fire Marshal, or EHS.

## PERMIT DETAILS- GOOD FOR ONE DAY ONLY

DATE: \_\_\_\_/\_\_\_\_/\_\_\_\_

Permit Auditing

Individual Print & Sign : \_\_\_\_\_/\_\_\_\_\_

Specific Location: (Building, Floor, Room)

Department / Contractor:

Nature of Work:

Name of Hot Work Operator:

Name of Fire Watch *During Hot Work: This cannot be the operator.*

Name of Fire Watch monitoring space after work is complete: *This can be the operator*

## REQUIRED PRECAUTION CHECKLIST

- ☐ Available sprinklers, hose streams, and extinguishers are in service and operable.
- ☐ Fire extinguisher is readily available in the hot work area.
- ☐ Hot work equipment is in good working condition in accordance with manufacturer's specifications.
- ☐ Smoke and Fire detectors / alarms near the hot work are temporarily disabled.
- ☐ Hot Work Permission obtained for 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/non-combustible 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, or curtains; fire-resistive tarpaulins), metal shields, or noncombustible materials.
- ☐ All wall and floor openings covered.
- ☐ Ducts and conveyors that could carry sparks to combustibles must be covered, 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.

## 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 during and for a minimum of 1 hour after hot work, including any break activity.
- ☐ Fire watch is provided with suitable extinguishers and, where practical, a charged small hose.
- ☐ Fire watch is trained in use of equipment and in sounding alarm.
- ☐ Fire watch can be required in adjoining areas, above and below.
- ☐ Yes ☐ No Per the PAI, U-M Fire Marshal or EHS, monitoring of hot work area has been extended beyond 1 hour.

## SPECIAL CONSIDERATIONS- Warehouse Spaces

- ☐ Check if hot work is taking place inside of storage /warehouse space with combustibles and requires an ADDITIONAL two-hour monitoring after a 60-minute fire watch.

Hot Work Start time: \_\_\_\_ A.M./P.M.

Hot Work End Time: \_\_\_\_ A.M./P.M.

Monitor End Time: \_\_\_\_ A.M./P.M.

**PERMIT COMPLETION** (Print/Sign that conditions return to normal)

Fire Watch \_\_\_\_\_/\_\_\_\_\_

Fire Watch Start Time: \_\_\_\_ A.M./P.M.

Fire Watch End Time: \_\_\_\_ A.M./P.M.

**Fire Watch** must be trained for fire watch duties in the work area and all surrounding areas to which sparks, and heat might spread.