

# 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.

<b>PERMIT DETAILS- GOOD FOR ONE DAY ONLY</b>		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 <i>During Hot Work: This cannot be the operator.</i>	Name of Fire Watch monitoring space after work is complete: <i>This can be the operator</i>	
<b>REQUIRED PRECAUTION CHECKLIST</b>	<p><b>Requirements for hot work on walls, ceilings, or roofs</b></p> <p><input type="checkbox"/> Construction is noncombustible and without combustible coverings or insulation.</p> <p><input type="checkbox"/> Combustible material on other side of walls, ceilings, or roofs is moved away.</p> <p><b>Requirements for hot work on enclosed equipment</b></p> <p><input type="checkbox"/> Enclosed equipment is cleaned of all combustibles.</p> <p><input type="checkbox"/> Containers are purged of flammable liquid/vapor.</p> <p><input type="checkbox"/> Pressurized vessels, piping, and equipment removed from service, isolated, and vented</p> <p><b>Requirements for hot work fire watch and fire monitoring</b></p> <p><input type="checkbox"/> Fire watch is provided during and for a minimum of 1 hour after hot work, including any break activity.</p> <p><input type="checkbox"/> Fire watch is provided with suitable extinguishers and, where practical, a charged small hose.</p> <p><input type="checkbox"/> Fire watch is trained in use of equipment and in sounding alarm.</p> <p><input type="checkbox"/> Fire watch can be required in adjoining areas, above and below.</p> <p><input type="checkbox"/> Yes <input type="checkbox"/> No Per the PAI, U-M Fire Marshal or EHS, monitoring of hot work area has been extended beyond 1 hour.</p>	
<p><b>Requirements within 35 ft (11 m) of hot work</b></p> <p><input type="checkbox"/> Flammable liquid, dust, lint, and oily deposits removed.</p> <p><input type="checkbox"/> Explosive atmosphere in area eliminated.</p> <p><input type="checkbox"/> Floors swept clean and trash removed.</p> <p><input type="checkbox"/> Combustible floors wet down or covered with damp sand or fire-resistive/non-combustible materials or equivalent.</p> <p><input type="checkbox"/> Personnel protected from electrical shock when floors are wet.</p> <p><input type="checkbox"/> 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.</p> <p><input type="checkbox"/> All wall and floor openings covered.</p> <p><input type="checkbox"/> Ducts and conveyors that could carry sparks to combustibles must be covered, or shut down.</p>	<p><b>SPECIAL CONSIDERATIONS- Warehouse Spaces</b></p> <p><input type="checkbox"/> 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.</p>	
Hot Work Start time: ____ A.M/P.M. Hot Work End Time: ____ A.M/P.M. Monitor End Time: ____ A.M/P.M. <b>PERMIT COMPLETION</b> (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. <b>Fire Watch</b> must be trained for fire watch duties in the work area and all surrounding areas to which sparks, and heat might spread.	