

Wellesley College Application for Welding, Cutting and Other Hot Work

*This application shall be completed and submitted to EH&S for signature **PRIOR** to applying for a permit from the Wellesley Fire Department. Welding, Cutting and Other Hot Work shall comply with MA Fire Prevention Regulations 527 CMR c 41 and NFPA 51B Standard for Fire Prevention During Welding, Cutting and Other Hot Work.*

Hot Work Operator (Name, address and cell phone number)

Hot Work Safety Certification Number:

Location of Work on Campus:

Building:

Floor:

Room(s) or Area(s)

Start Date:

End Date:

Start Time:

End Time:

Description of hot work process:

Building fully sprinklered: YES / NO (circle one)

If YES, will the sprinkler system be shut-off or isolated during hot work? **YES / NO**

Define areas and floors without coverage:

Fire Alarm System Present: YES / NO (circle one)

If YES, will the fire alarm system be shut-off or isolated during hot work? **YES / NO**

Define areas and floors without coverage:

I hereby agree to comply with all applicable federal, state and local laws, standards and requirements, including MA Fire Prevention Regulations. I understand the Wellesley Fire Department will determine if a firefighter detail will be required. If needed, invoices will be billed directly to the Hot Work Operator. If a firefighter detail is not required the Hot Work Operator is responsible for maintaining a Fire Watch during and not less than 30 minutes after completion of the work as per regulation.

Hot Work Operator Signature _____ **Date** _____

EH&S Office Signature _____ **Date** _____

(rev. 11/10/2020)

For information on the Wellesley College hot work policy, please see the below link:

https://www.wellesley.edu/sites/default/files/assets/departments/ehs/files/hot_work_policy_2018.pdf

HOT WORK FIRE AND SAFETY PRECAUTION CHECKLIST *(rev 11/2020)*

- Only Hot Work Operators with a valid Hot Work Safety Certification are permitted to conduct hot work.
- The Hot Work Operator shall complete the Wellesley College Application for Welding, Cutting and Other Hot Work prior to obtaining a permit from the Wellesley Fire Department. The fire department may require a paid firefighter detail to perform the Fire Watch, if not required, it is the responsibility of the Hot Work Operator to maintain a Fire Watch during and not less than 30 minutes after completion of work.
- The automatic fire sprinkler and fire detection system and other fire safety equipment, if present, must be in service and fully operational. Approval by EHS is required for disconnecting or isolating any equipment.
- Provide and have readily available portable fire extinguishers appropriate for area hazards.
- The hot work equipment must be in satisfactory operating condition.
- Separate hot work operations from all combustibles by a radius of 35 feet of open space to isolate fuels from sparks. Including:
 - Clear floors of dust, debris and grease or oils.
 - If the floor is made of combustible materials, it must be covered with a listed welding blanket or welding pad.
 - Remove flammable liquids like paints, oils, and lacquers
 - Combustibles must be removed from the work area or covered with a listed welding blanket or welding pad. This includes storage or machinery with grease or lint deposits.
 - Openings or cracks in walls, floors or ducts shall be covered or sealed with listed fire-rated or noncombustible material to prevent the passage of sparks.
 - Ducts and conveyor systems that might carry sparks to distant combustibles shall be shielded or shut-down or both.
 - If hot work is conducted near walls, partitions, ceilings or roofs then they shall be protected by a listed welding curtain, blanket or welding pad.
 - If hot work is to be done on a non-combustible wall, such as a metal wall or partition, then the opposite side of the wall must be cleared of combustible materials. Due to conduction or radiation of heat, there is a risk of fire in the adjacent area. If combustible materials cannot be relocated from the adjacent area, then a second fire watch shall be assigned to that area.
 - Hot work done on or near pipes shall be examined for the possibility of conduction of heat to other areas which may have ignition sources.
- The potential for explosive atmospheres must be considered, so either eliminate the explosive atmosphere or the work will be prohibited. Shut down any processes that produces explosive atmospheres and continuously monitor the area for accumulation of combustible gases before, during and after hot work.
- All doors must be closed to prevent sparks from escaping.
- For hot work on vessels or boilers, use only qualified and trained professionals.

Signed by: _____ Date: _____

Hot Work Operator

EHS Signature: _____ Date: _____

(rev. 11/10/2020)

For information on the Wellesley College hot work policy, please see the below link:

https://www.wellesley.edu/sites/default/files/assets/departments/ehs/files/hot_work_policy_2018.pdf