



Hot Work Permit

DFW

Authority Having Jurisdiction

DFW Airport Fire Prevention
2900 E. 28th
DFW Airport, TX 75261
Phone: 972-973-3580
Fax: 972-973-3453
Email: FireMarshal@dfwairport.com

Permits#:

Valid Date:

Issued To

HOT WORK = Operations including cutting, welding, Thermal welding, brazing, soldering, grinding, thermal spraying, thawing pipe, installation of torch-applied roof systems or any other similar situation.

The following guidelines apply to hot work in the following areas:

1. Public exhibitions and demonstrations where hot work is conducted.
2. Use of portable hot work equipment inside or outside a structure.
3. Fixed-site hot work equipment such as welding booths.
4. Hot work conducted within a hazardous fire area.
5. Application of roof coverings with the use of an open flame device.
6. Approved "hot work" self regulated programs approved by the Code Official.

Fire Safety Requirements:

1. Operators in charge of hot work operations shall be qualified to perform the hot work operations safely.
2. A pre-hot-work check report shall be performed prior to work. This report shall be available during and 48 hours following the hot work process.
3. Where hot work is accessible to persons other than the operator of the hot work equipment, signs shall be posted to warn others before they enter the hot work areas. ("CAUTION – HOT WORK IN PROGRESS – STAY CLEAR")
4. Hot work areas shall not contain combustibles or shall be provided with appropriate shielding to prevent sparks, slag or heat from igniting exposed combustibles.
5. Openings or cracks in walls, floors, ducts or shafts within the hot work area shall be tightly covered to prevent the passage of sparks to adjacent combustible areas or shielded by metal fire-resistant guards or curtains.
6. Floors shall be kept clean within the hot work area.
7. Conveyor systems capable of carrying sparks to distant combustibles shall be shut down and/or shielded.
8. Partitions segregating hot work areas from other areas of the building shall be noncombustible and prevent the passage of sparks, slag, and heat from the hot work area.
9. Fixed hot work areas shall have floors with noncombustible surfaces.
10. Hot work shall not be performed on containers or equipment that contains or has contained flammable, liquids, gases or solids until the containers and equipment have been thoroughly cleaned, inerted or purged. Exception: Hot tapping of tank and lines when approved.
11. Precautions shall be taken to avoid accidental operation of automatic fire detection systems when so equipped.
12. Fire watches shall be provided during and 30 minutes after the conclusion of the work. The 30 minutes may be extended as conditions warrant. Exception: Where the hot work area has no fire hazards or combustible exposures

- a. Fire watch shall include the entire hot work area. Vertical and horizontal fire exposures that are not observable by a single individual shall have additional personnel assigned to ensure that exposed areas are monitored.
- b. Individual designated to fire watch shall have fire-extinguishing equipment readily available and shall be trained in the use of such equipment. Individuals assigned to fire watch duty shall be responsible for extinguishing spot fires and communicating an alarm.
- c. Where hose lines are required, they shall be connected, charged and ready for operation.
- d. A minimum of one portable fire extinguisher with a minimum 2-A:20B:C rating shall be readily accessible within 30 feet of the locations where hot work is performed.
13. Prior to hot work, the individual responsible for the authorizing hot work operations shall inspect the area to ensure that is a fire safe area.
14. Hot work area conditions may warrant additional precautions.
15. In any event of fire, or other hazardous condition, a responsible person shall immediately call 9.1.1. and report the condition and location.

Aircraft Operations Area

1. Open flames, flame-producing devices and other sources of ignition shall not be permitted in a hangar, except in approved locations or in any location within 50 feet of an aircraft fueling operation.
2. Smoking is prohibited in aircraft operations areas, used for cleaning, paint removal, painting operations or fueling. "No Smoking" signs shall be provided in accordance with the Fire Code.
3. The aircraft operation area and related areas shall be kept free from combustible debris at all times.
4. Each welding apparatus shall be equipped with a minimum of one listed portable fire extinguisher with a rating of 2A 10B:C.
5. Open flames and open-flame devices are prohibited within 50 feet of any aircraft fuel servicing operation or fueling equipment.

Flammable and Combustible Liquid, gas or solid use, dispensing and storage area

1. Open flames and high temperature devices shall not be used in a manner that creates a hazardous condition. Except as specifically permitted.
2. Repair, alteration or reconstruction of tanks including welding, cutting and hot tapping of storage tanks and piping that have been placed in service shall be in accordance with DFW hot tapping permit guidelines or NFPA 30.
3. All spilled flammable or combustible liquids shall be picked up and removed and the space inerted prior to hot work commencing.

Paint Spray Booths

1. Open flames and spark producing devices shall not be located in spray space or vapor areas and shall not be located within 20 feet of such areas except as permitted.
2. Hot work shall not be performed in, on or around a paint spray booth or area until all paint residue and vapors, liquids and combustibles have been removed and the vapor space (booth, filter medium and duct) inerted.
3. Hot work shall only commence under the direct supervision of the person in charge.
4. Fire suppression features shall be left operational during hot work.

High Piled Combustible Storage Area

1. Clearance from ignition sources shall be provided in an approved manner. Minimum 35-foot clearance shall be provide around a hot work site from combustibles, unless protected with appropriate shielding.
2. Smoking is prohibited.

Hazardous Material Use, Dispensing and Storage Area

1. Smoking is prohibited.
2. Open flames and high temperature devices shall not be used in a manner that creates a hazardous condition. Except as specifically permitted.
3. Hot work shall not be performed on containers or equipment that contains or has contained hazardous materials until the containers and equipment have been thoroughly cleaned, inerted or purged. Exception, those containers and equipment that poses no health or fire hazard.

Applicant Signature

Issuing Official Signature

Permits#: