

UNIVERSITY OF ALASKA - FAIRBANKS

SUBJECT: Hot Work Operations	Number: 1209
OBJECTIVE: To Provide Guidance and Direction on the fire hazards relating to welding, soldering and other similar operations on campus.	Adoption Date: Dec. 1998 Revision Dates:

I. Definitions:

Hot work operations include cutting, welding, use of open torch, brazing, glass blowing and similar operations.

Hot work area is that area which is expose to sparks, hot slag, or radiant or convection heat as a result of the hot work

Hot work equipment is electric or gas welding or cutting equipment used for hot work.

II. Operations requiring notification include the following

- Cutting and welding outside of an approved location
- Soldering when using a torch outside of an approved location
- Roofing or road work using tar pots or asphalt kettles
- Altering, maintaining or modifying any system that contains or may contain explosives or flammable liquids or gases when using heat producing, spark producing or impact tools (e.g. electric power tools and cartridge-actuated tools)

Individuals engaged in the above activities are required to contact University Dispatch at 7721 and advise them where they are working and the estimated time frame (e.g. a few hours or extended period of time). They are also required to contact dispatch when they have completed that operation.

II: Approved Location

Approved locations are those areas that have either been designed specifically for that purpose or areas that have been modified to accommodate these operations safely. If there are any questions as to whether or not an area is approved or not, contact the University Fire Marshal at 474-7681.

III. Cutting and Welding Guidelines

- a. A hot work site inspection shall be conducted prior to any work taking Place. The inspection of the hot site shall insure that:
 1. The hot work site is clear of combustibles or that combustibles are protected.
 2. Exposed construction is of noncombustible materials or combustibles are protected.
 3. Openings are protected.
 4. Floors are kept clean
 5. There are no exposed combustibles on the opposite side of partitions, walls, ceilings and floors
 6. Fire watches are assigned, equipped and trained
 7. Fire extinguishers shall be verified as operable and available.
A minimum 2-A, 20 BC rated fire extinguishers shall be located within 30' of the location where the work is in progress and shall be accessible without climbing stairs or ladders.