



Fire Prevention

OSHA's Fire Prevention Plan (FPP) regulation found at 29 CFR 1910.38 Subpart L, requires specific program elements. The Steward Observatory Fire Prevention Plan addresses fire emergencies reasonably anticipated to occur through all phases of the construction, repair alteration, or demolition at our site. The FPP is in place to control and reduce the possibility of fire and to specify the type of equipment to use in case of fire. The plan addresses the following:

- Workplace fire hazards and their proper handling and storage procedures
- Potential ignition sources for fires and their control procedures
- Type of fire protection equipment or systems
- Personnel responsible for maintenance of equipment and systems installed to prevent or control ignition of fires and for control of fuel-source hazards
- Emergency evacuation plans for orderly egress

Under this plan, our employees will be informed of the plan's purpose, preferred means of reporting fires and other emergencies, types of evacuations to be used in various emergency situations, and the alarm system. The plan is closely tied to our Emergency Action Plan where procedures are described for emergency escape procedures, procedures to account for all employees after emergency evacuation has been completed, and rescue and medical procedures.

Flammable or combustible materials may not ignite on their own without an external source of ignition. The following procedures are used to control known ignition sources:

- Flammable materials are kept separate from any possible heat sources
- Welding activities are confined to the outside when possible, and to the welding shop
- When welding is required, a proper fire watch or fire detection system is established along with the necessary extinguishing material. See page 88 of this section, Welding, Cutting, and Hot work.
- Fuel, oil and other stored flammable products are kept in bulk storage containers designed to minimize the hazard of fire, and are controlled

Once hazards are evaluated and equipment is installed to control them, that equipment must be monitored on a regular basis to ensure it continues to function properly. Strict guidelines for maintaining the equipment are followed, as set forth by National Fire Protection Association and OSHA.



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Regular waste disposal and adherence to our Recycling Program help to eliminate the accumulation of waste materials, combustible paper and cardboard. It is each employee's responsibility to ensure that his/her work area is as clean of these types of materials as possible.

Training will be provided for each employee who volunteers to use fire prevention equipment. Employees shall not use fire-prevention equipment without appropriate training. Employees must demonstrate an understanding of the training and the ability to use the equipment properly before they are allowed use of the equipment. All untrained personnel are expected to immediately evacuate the building upon the alarm.

In anticipation of the discovery of an uncontrolled fire, all employees should become familiar with the layout of the site, exit pathways, and the location of fire extinguishers. Emergency lighting should be installed in all buildings to illuminate exits and means of egress. Fire extinguishers need to be checked monthly and tested annually in accordance with an established schedule. All fire extinguishers at each site shall be appropriate for the type of fire anticipated.

To view the OSHA website go to <http://www.osha.gov>.

For more information and the official University of Arizona documentation on this subject, please go to <https://risk.arizona.edu/emergency-info/emergency-response>.