

2/23/2023

UTA EH&S Pyrotechnics Permit Application

Complete this form for the following: Pyrotechnics (indoors or outdoors). For additional information, refer to the *Code Requirements for Use of Pyrotechnics* listed below. Email the completed Permit Application to the Environmental Health & Safety Office (EH&S) at ehsafety@uta.edu.

SECTION 1 - EVENT CONTACT INFORMATION

Event Coordinator Name _____

Department/Organization _____

Email Address _____ Cell Phone Number _____

SECTION 2 - EVENT INFORMATION

Name of Event _____

Date of Event _____ Start Time of Event _____

Purpose of Pyrotechnics During the Event _____

Proposed Date/Time for Site Safety Inspection _____

Nearest Building (if outside) _____

Distance to Nearest Building / Structure (ft)

North _____ South _____ East _____ West _____

SECTION 3 – PYROTECHNIC COMPANY DETAILS

Name of Pyrotechnic Company _____

Pyrotechnic Co. Phone Number _____

Pyrotechnics Set By _____

Start Time of Event _____

Purpose of Pyrotechnics during the Event _____

Proposed Date/Time for Site Safety Inspection_____

SECTION 4 - PERMIT APPLICATION MATERIALS

All Applications must include:

Pyrotechnics Permit Application Form

Application must also include:

Detailed site plan.

Copy of City of Arlington fireworks permit (Forward to EH&S POC when received)

Type(s) of pyrotechnics to be used

Laser Light Show (if applicable):

Detailed site plan.

Contact EH&S Laser Safety Officer – Harvey Richey

Signature

Printed Name and Title

Date

Approval

EH&S Signature

EH&S Printed Name and Title

FIRE & LIFE SAFETY CODE REQUIREMENTS FOR PYROTECHNIC DISPLAYS

The following requirements shall be complied with for the designated pyrotechnic displays:

Fire Safety:

- This form must be completed and returned to the Environmental Health and Safety Office **at least 5 days prior to the event.**
- Applicant further understands that area being use for pyrotechnic presentation must be available for inspection by the UTA Fire Safety Coordinator by noon on the day prior to the scheduled event.
- Applicant must arrange to have all safety equipment in place at the time of inspection, including but not limited to portable fire extinguishers (Water and BC type) appropriate to the event activities and appropriate safety barriers in place.
- Applicant concurs all statements and information on this application are true and correct.
- Applicant further agrees to observe all University policies and regulations.

Indoor displays:

- Fire watch required (EH&S personnel)
- Fire panel watch required (EH&S authorized vendor personnel)

Outdoor displays:

- Fire watch required (EH&S personnel)
- Arlington Fire Department apparatus and personnel (TBD)

Additional requirements may be deemed necessary by the UTA Fire Safety Coordinator on a case-by-case basis.

Important Contact Phone Numbers:

Environmental Health and Safety – 817-272-2185

Jeff Omspaugh

Fire Safety Coordinator

915-588-7179 jeffrey.omsbaugh@uta.edu

David Doerr

Associate Director Fire & Life Safety

817-272-2479 david.doerr@uta.edu

Harvey Richey

Laser & Engineering Research Safety Specialist III

817-272-2185 hrichey@uta.edu

NFPA 1126: Standard for the Use of Pyrotechnics Before a Proximate Audience, 2021 Edition - Chapter 8 Use of Pyrotechnics

8.1.1 Portable Fire-Fighting Equipment.

Four or more fire extinguishers of the classification and size as approved by the authority having jurisdiction shall be readily accessible while the pyrotechnics are being loaded, prepared for firing, or fired.

8.1.1.1

The following shall be provided in addition to those required by NFPA 10 for the building:

1. (1) Two pressurized water extinguishers, each with a minimum rating of 2-A
2. (2) Two extinguishers, each with a minimum rating of 10-B:C, or two extinguishers appropriate to the fuel source being used

8.1.1.2

The extinguishers shall be placed so that at least one is located on each opposing side of the performance where pyrotechnics are used.

8.1.1.3

Additional fire-extinguishing equipment shall be provided as required by NFPA 10 and the authority having jurisdiction.

8.1.1.4

Personnel who have a working knowledge of the use of the applicable fire extinguishers shall be present while the pyrotechnics are being handled, used, or removed.

8.1.2 Fire Detection and Life Safety Systems.

8.1.2.1

Portions of fire detection and life safety systems shall be permitted to be interrupted during the operation of temporarily installed pyrotechnic effects when the following conditions are met:

1. (1) Approval by the authority having jurisdiction
2. (2) Approval by the owner or owner's agent
3. (3)* Presence of an approved fire watch capable of directing the operation of all fire detection and life safety systems installed in the building

8.4.1

Each pyrotechnic device fired during a performance shall be separated from the audience by a minimum of 15 ft (4.6 m) or twice the fallout radius of the device, whichever is greater, except where otherwise approved by the authority having jurisdiction.

8.4.2

Concussion mortars and concussion effects shall be separated from the audience in all directions by a minimum of 25 ft (7.6 m).

8.4.3

Flown concussion mortars and concussion effects shall not be over the audience or in a location where debris from the devices will fall into an audience area.

8.4.4

There shall be no glowing or flaming particles within 10 ft (3 m) of the audience.

8.5.1 Housekeeping.

The premises where pyrotechnic materials and devices are handled and used shall be maintained in a neat and orderly condition and shall be kept free of any conditions that can create a fire hazard.

NFPA 1123: Standard for Fireworks Display, 2022 Edition - Chapter 8 Operation of the Display

8.1.4.3.1

If any unsafe condition is detected, such as hazardous debris falling into the audience, the spotter shall signal the shooter to cease firing until the unsafe condition is corrected.