



Fire Marshal's Office
203 Commerce Blvd
Round Rock, TX 78664
Office (512) 218-6628
firemarshalsoffice@roundrocktexas.gov



ROUND ROCK FIRE DEPARTMENT

FIRE MARSHAL'S OFFICE

FIREWORKS AND FLAME SHOW GUIDELINES

This document is designed to provide guidance for the permit approval for any Fire Works, Pyrotechnic, or Flame Show within the City of Round Rock. This information is not all-inclusive but is intended to inform contractors of local requirements and assist in developing a safe and successful event where Fireworks, Pyrotechnic, or Flame Show displays are to be conducted. It will be the discretion of the Fire Marshal's Office inspector or Fire Department representative if additional requirements are needed for the permit to be issued.

Required:

- Permit Application must be submitted online through the [City of Round Rock Permit Portal](#).
 - All licenses and proof of insurance documents must be submitted through the Permit Portal at the time the permit application is submitted.
- Technician must have obtained the required licenses and permits through the Bureau of Alcohol, Tobacco, Firearms and Explosives.
- Technician must obtain U.S. Coast Guard approval for displays fired from harbors or navigable waterways.
- Obtain Federal Aviation Administration (FAA) approval if close to an airport or heliport.
- Ensure pilots are warned through issuance of a Notice to Airmen (NOTAM).
- Arrange for inspections required by the Round Rock Fire Marshal's Office or State/Federal authorities.
- Obtain approval from appropriate authorities to close roads or restrict access.
- Arrange for fire service and Emergency Medical Services (EMS) to be available for the display.

Pre-Display Site Requirements

- Establish site security prior to arrival of pyrotechnic materials.
- Permit holder must provide sufficient fire suppression equipment (approved fire extinguishers or water cans)
- Protect all fireworks, pyrotechnic materials, and launching equipment from inclement weather and keep them dry at all times.
- Prohibit smoking material, matches, lighters or open flames within 50 feet of fireworks or pyrotechnic material.
- Only necessary personnel required to perform the display set up and show shall be allowed at the display site.
- Prohibit persons in the display site who are under the influence of alcohol, narcotics, or medication that could adversely affect judgment, mobility, or stability.
- No cell phones or radio frequency (RF) generating devices are permitted within the immediate discharge area while electrically ignited fireworks or pyrotechnic devices are prepared, loaded, or set up.
- Wear all personal protective equipment appropriate for setup duties.
- Verify that all mortars and racks are made of approved materials, and are of sufficient strength, length and durability to allow shells to be propelled to safe deflagration heights.
- Make sure all mortars, mortar racks, bundles, pre-loaded box items, cakes, candles, and ground displays have been thoroughly inspected and deemed inherently stable.
- Avoid placing any portion of your body over mortars during loading, wiring, or igniting, and immediately after the display has been fired.
- Use safe handling and loading procedures for all pyrotechnic devices.

- Pre-load larger shells as required.
- Check proper fit of shells in mortars.
- Designate spotter(s).

Display Checklist

- Verify fire service and EMS units are available and ready to respond.
- Establish good communications between crew, event sponsor, AHJ, and fire service/EMS units.
- Maintain crowd control, utilizing monitors and/or barriers.
- Use all required personal protective equipment especially protection for: head, eye, hearing, and foot.
- long sleeve and long-legged clothing made of cotton, wool or similar flame resistant cloth.
- Avoid placing any portion of your body over mortars when manually igniting them.
- Monitor weather and crowd conditions to maintain safety.
- Comply with directions given by the AHJ, spotter(s), or fire/EMS units.
- Use only flashlights or other nonincendiary lighting in firing and ready box areas.

Post-Display Checklist

- Wear personal protective equipment (PPE) appropriate for cleanup duties.
- Disable any electric firing switches and disconnect all electric cables.
- After at least 15 minutes, conduct a search of the display and fallout areas.
- Follow proper marking and warning procedures for unexploded shells.
- Ensure that all unused live products and duds are accounted for, properly handled, repackaged and secured according to Federal, State and local regulations.
- Conduct a second site search at first light.

For additional information on general safety and health concerns, see OSHA's Safety and Health Topics Pages on:

- [Control of Hazardous Energy \(Lockout/Tagout\)](#)
 - [Electrical](#)
 - [Emergency Preparedness and Response](#)
 - [Fire Safety](#)
 - [Hazard Communication](#)
 - [Medical and First Aid](#)
-
- *NFPA 1, Uniform Fire Code.* Incorporates provisions from NFPA's *Fire Prevention Code* and Western Fire Chiefs Association's (WFCA's) *Uniform Fire Code* into one far-reaching document that serves the need of every jurisdiction offering guidance on vital fire prevention and fire protection topics.
 - *Chapter 65, Explosives, Fireworks, and Model Rocketry*
 - *NFPA 10, Standard for Portable Fire Extinguishers.* Provides guidance on equipment distribution, placement, maintenance, operation, and inspection, including testing and recharging.
 - *NFPA 101, Life Safety Code.* Adopted as law by jurisdictions in most states, the *Life Safety Code* has grown in scope to provide a minimum building design, construction, operation and maintenance requirements needed to protect building occupants from the dangers of fire, smoke, toxic fumes, and panic.
 - *NFPA 102, Standards for Grandstands, Folding and Telescoping Seating, Tents, and Membrane Structures* provides standards for protecting lives from fire, storm, collapse, and panic in grandstands, bleachers, mass folding or telescopic seats, tents and air-supported structures.
 - *NFPA 160, Standard for Flame Effects Before an Audience.* Provides guidance on the use of indoor and outdoor special effects in the areas of design, installation, testing, operation, maintenance and approval.

- *NFPA 306, Standard for the Control of Gas Hazards on Vessels*. Specifies safety requirements on marine vessels that carry or burn as fuel any of the following: flammable or combustible liquids, flammable compressed gases, or chemicals in bulk.
- *NFPA 1123, Code for Fireworks Display*. Applies to the construction, handling, and use of fireworks and equipment intended for outdoor fireworks display. It also applies to the general conduct and operation of the display.
- *NFPA 1126, Standard for the Use of Pyrotechnics Before a Proximate Audience*. Provides requirements for the protection of property, operators, performers, support personnel, and the viewing audiences where pyrotechnic effects are used indoors or outdoors with a proximate audience.
- *Fire Protection Guide to Hazardous Materials*. This guide includes the following:
 - *NFPA 49, Hazardous Chemicals Data*
 - *NFPA 325, Guide to Fire Hazard Properties of Flammable Liquids, Gases and Volatile Solids*