

MCKINNEY FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE

**Permit and Submittal Requirements for
Fireworks, Pyrotechnic, or Flame Effect
Displays or Productions**



If you have any questions or comments regarding the information contained within, or if you need assistance interpreting these requirements, please contact:

McKinney Fire Department
Fire Marshal's Office
2200 Taylor-Burk
McKinney, Texas 75071

www.mckinneyfire.org

Email: fmo@mckinneytexas.org

Engineering, Inspection Requests & General Questions: (972) 547-2850

**MCKINNEY FIRE DEPARTMENT
FIRE MARSHAL'S OFFICE**

PYROTECHNICS DISPLAY

These guidelines are to be followed when a business, group, or other entity within the City of McKinney, requests the use and display of pyrotechnics, commonly referred to as "fireworks". This document will assist in the permitting and submittal requirements for the use of fireworks, flame effects or other similar pyrotechnics displays.

ORDINANCE AMENDMENTS

1. **5601.1.3 Fireworks.** The possession, manufacture, storage, sale, handling and use of fireworks are prohibited.

Exceptions:

- a. Only when approved for fireworks displays, storage and handling of fireworks as approved in Section 5604 and 5608.
 - b. The use of fireworks for approved display as permitted in Section 5608.
2. **Fireworks.** Fireworks are defined as...any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration, detonation, and/or activated by ignition with a match or other heat producing device that meets the definition of 1.4G fireworks or 1.3 fireworks as set forth herein. NOTE: A pyrotechnics permit includes the use of 1.2G and 1.1G.

TERRITORIAL APPLICABILITY

3. This article shall be applicable and in force throughout the territory of the city within its corporate limits.
4. This article shall also be applicable and in force within the area immediately adjacent and contiguous to the city limits of the city and extending for a distance outside the city limits for a total of 5,000 feet outside the city limits; provided that this article shall not apply within any portion of such 5,000 area which is contained within the territory of any other municipal corporation.

DEFINITIONS

5. **Fireworks.** Fireworks are defined as...any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration, detonation, and/or activated by ignition with a match or other heat producing device that meets the definition of 1.4G fireworks or 1.3 fireworks as set forth herein. NOTE: A pyrotechnics permit includes the use of 1.2G and 1.1G.
6. **Fireworks Display.** A presentation of fireworks or pyrotechnic devices for a public or private gathering.
7. **Flame Effect.** The combustion of flammable solids, liquids or gases to produce thermal, physical, visual or audible phenomena before an audience.
8. **Pyrotechnic Special Effect.** A visible or audible effect for entertainment created through the use of pyrotechnic materials and devices.

FEES

9. Application fee is \$100 paid at the time the permit is submitted for review. A base fee of \$900 is required for all approved pyrotechnic displays, in addition to the actual overtime cost of a minimum of 2 staff. Total number of required staff is determined during the review process. Permit fee is \$100. A representative of the licensed pyrotechnics company shall pay the fee at least one (1) week prior to the event. Fees shall be made payable to "City of McKinney" and payment can be made through the McKinney Fire Marshal's Office.

PYROTECHNICS DISPLAY

OPERATIONAL REQUIREMENTS

10. No pyrotechnics or explosive materials, for the use, display, storage and/or handling shall be stored within the City of McKinney without prior approval and permit from the Fire Department.
11. For displays, compliance with the Section 5608, Fireworks Displays, shall be demonstrated;
12. For storage and handling, compliance with Section 5604, Explosive Materials Storage and Handling.
13. Texas Occupational Code Chapter 2154, Regulation of Fireworks & Fireworks Displays & 28 TAC 34.800, requires that a license from the State Fire Marshal's Office, pursuant to 2154.101, is required for personnel engaged in fireworks displays and pyrotechnics.
14. Compliance with Senate Bill 693, Use of Flame Effects or Pyrotechnics, shall be demonstrated.
15. All outdoor pyrotechnic displays shall be completed by 11:00 PM.
16. No outdoor pyrotechnic displays shall be permitted with wind velocities exceeding 20 MPH.
17. All roadways, fire lanes, aisles or access routes by which vehicle or pedestrian traffic will pass into the safety zone, shall be barricaded. All barricades shall provide a physical barrier to prevent pedestrian and vehicular traffic. Barricades shall be the responsibility of the venue.
18. Any buildings or structures permitted to be within the safety zone shall be unoccupied.

In order for a permit to be issued, documentation in accordance with this guideline must be submitted to the Fire Marshal's Office and subsequently approved and permitted. To expedite the plan review and inspection processes, please refer to the information listed below.

The submittal package for a pyrotechnic and/or flame effect production must consist of the following documents:

Submittal package must be received no later than thirty (30) business days (4 weeks) prior to the event. Incomplete submittals may not be approved or accepted.

PERMITTING REQUIREMENTS

19. All permit requests shall have a completed McKinney Fire Department Pyrotechnics Permit Application.
20. Provide a plan in accordance with Section 4.3 of NFPA 1126.
21. Provide a copy of your Texas Department of Insurance/State Fire Marshal's Office Pyrotechnics license.
22. Copy of the Texas Department of Insurance Application for Class B Fireworks for all 1.3G permit requests.
23. Indicate quantity of each type and size of pyrotechnics device. (i.e mortar, flash-bank, aerial, etc.)
24. Indicate total amount of 1.4G, 1.3G, 1.2G and/or 1.1G fireworks.
25. Location and type of storage magazine and location and type of fireworks kept on site.
26. Indicate total quantity and type of explosive material and/or pyrotechnical composition
27. Indicate compliance with Texas Occupational Code Chapter 2154 & TAC 34.800 & SB 693.
28. Detailed site plan of the area to indicate the display area, storage area, exits, distance to the audience and the fire protection equipment provided.
29. Manner and storage of pyrotechnic devices.
30. Evidence of the permittee's event Certificate of Liability Insurance and all additionally insured parties.
31. Indicate the manner of detonation/ignition of the fireworks/pyrotechnic effects.

Final approval of the display is required prior to the production/display/shoot occurring. A representative of the McKinney Fire Marshal's Office will be on-site for the duration of the event and will have the final approval to delay, cease or modify the display based upon the safety concerns noted during the on-site inspection.

A licensed pyrotechnic operator shall be present and on-site throughout the setup, display and shall remain on-site after the display as required per NFPA 1123.

PYROTECHNICS DISPLAY

INSPECTION REQUIREMENTS

32. In-place and portable fire protection.
33. Fireworks storage location and magazine.
34. Detonation device.
35. Separation distance between the audience and the pyrotechnic devices.
36. Egress pathway, if required.
37. Licensed pyrotechnician and trained personnel on-site.
38. Barricades.

GENERAL SUBMITTAL REQUIREMENTS

39. Each submittal shall have a completed McKinney Fire Department Plan Review Permit Application.
40. Plans approved by the Fire Marshal's Office give authorization for installation. Final approvals are subject to field verification. Any approval issued by the Fire Marshal's Office does not release the contractor or property owner from the responsibility of full compliance with all applicable codes and ordinances.
41. All fire department inspection forms and permits shall be kept on the job site until final inspection.
42. All installations shall comply with the approved plans. Any deviation from the approved plans requires a re-submittal to the Fire Marshal's Office.

All permitted pyrotechnics displays, uses and/or storage for the purposes of this guideline and any other guidelines or requirements of the Fire Department shall conform to the 2018 International Fire Code, as adopted and amended by City of McKinney.

This guide does not replace, nor supersede any codes and/or ordinances adopted by the City of McKinney, or determinations and positions of the Fire Chief or Fire Marshal.

**McKinney Fire Department
Fire Marshal's Office**

PYROTECHNICS PERMIT APPLICATION

Date of Application: _____

Date of Event: _____

Start Time of Event: _____

PYROTECHNICS COMPANY

Company Name: _____

Company: Address _____

Street Address

City

State

Zip Code

Contact Person: _____

Phone Number: _____ Fax Number: _____

E-mail Address: _____

LOCATION & BASIC INFORMATION

Location of Event _____

Type of Event _____

Safety Zone Description _____

Type of Explosives _____ Detonation/Ignition Type _____

Quantity of Explosives _____

Pyrotechnician On Site _____

CRITERIA & CHECKLIST

- 1.) Safety zone shall be free from combustibles.
- 2.) Safety zone shall be maintained at all times and shall be the responsibility of the venue and/or pyrotechnics company.
- 3.) Appropriate safety equipment shall be worn by all Pyrotechnicians.
- 4.) Provide required information stipulated in the Pyrotechnics Guidelines with application.
- 5.) A site plan/drawing of the proposed launch site, to include vehicle parking, buildings, obstructions, barricades, safety zone and roadways, must be provided.
- 6.) Documentation of current TDI license and insurance policy.
- 7.) Application fee is \$100. Permit fee is \$100 plus a minimum staffing fee of \$900 plus overtime cost. Reference requirements and staffing schedule for additional.

I assure that all information reflected therein is accurate and I have read and understand all responsibilities and guidelines therein:

Signature of Applicant

Revised 08/21