



STATE OF TENNESSEE
DEPARTMENT OF COMMERCE & INSURANCE
DIVISION OF FIRE PREVENTION
ADMINISTRATIVE SERVICES SECTION
PERMITS AND LICENSES UNIT
500 JAMES ROBERTSON PARKWAY
DAVY CROCKETT TOWER
NASHVILLE, TN 37243-1159
Phone: (615) 741-1322, Fax: (615) 741-1583

APPLICATION FOR DISPLAY OF FIREWORKS/PYROTECHNICS/FLAME EFFECTS PERMIT

Applications received by the State Fire Marshal's Office within ten (10) or fewer days prior to the display date must pay an expediting fee of fifty dollars (\$50) in addition to the permit fee.

A permit is required for all outdoor fireworks displays regulated by NFPA 1123, all proximate pyrotechnic displays regulated by NFPA 1126, and all flame effect displays regulated by NFPA 160. Permits are not required for the use of consumer or common fireworks intended for use by the general public and used in accordance with the product's instructions.

INSTRUCTIONS:

1. Incomplete applications will be returned unprocessed.
2. Individual displays must submit a fifty dollar (\$50) fee for each display. Displays extending beyond one (1) day or occurring at multiple locations, and not meeting the requirements stated in item 3 require a separate permit for each day (including a separate application and fifty dollar (\$50) fee for each permit).
3. Multiple displays that are exactly the same in regards to display pieces, firing locations, setup, emergency vehicle locations, audience locations, etc., require one permit and a fifty dollar (\$50) fee per display up to a maximum fee of four-hundred dollars (\$400). The permit is valid for one year from the date of issuance.
4. All permit applications for public fireworks display must be in writing and received in the State Fire Marshal's Office **AT LEAST 10 Days or More** of the proposed display. However the State Fire Marshal **MAY** accept applications and issue permits within the ten (10) window of the display date. There will be a \$50 fee for this 10 day emergency window and this is in addition to the regular permit fee.
5. Checks or money orders should be made payable to the Department of Commerce and Insurance
6. Have the chief supervisory official of the Fire Departments sign the application in the space provided. You must also send written notification to the chief supervisory official of the municipality or chief law enforcement official of the county, depending on the site of the display. You must state the date, time and location of the public display.
7. Submit a copy of current Certificate of Liability.
8. Submit a list of fireworks, pyrotechnics, or flame effects devices to be used and the designated D.O.T. class for each firework or pyrotechnic device.
9. Submit a diagram of device, launch or firing areas detailing all activity and safety precautions proving compliance with applicable NFPA codes and standards.
10. All applications will be reviewed by the Codes Enforcement section for compliance with codes and standards. Deficiencies must be corrected prior to issuance of the permit.
11. Alterations or revisions submitted after the original permit is issued may require a new permit application and fee.

Applicant: The sponsor or an individual representing the sponsor. Permits are issued and mailed to the applicant.

Sponsor: Any person or organization that contracts with a licensed exhibitor and operator to perform a display.

Exhibitor: A business licensed by the state to perform displays or provide flame effects, fireworks or pyrotechnic materials for displays.

Operator: An individual who by experience, training and examination by the state, has demonstrated the necessary knowledge and ability to use and supervise fireworks, pyrotechnics, or flame effect displays.

PRINT OR TYPE ALL INFORMATION ON PAGE 2.

Page 1 of 2

Applicant	Name: _____
	Mailing Address: _____
	City: _____ State: _____ Zip: _____
	Fax #: _____ Telephone #: _____ Email: _____
Sponsor	Name: _____
	Mailing Address: _____
	City: _____ State: _____ Zip: _____
	Fax #: _____ Telephone #: _____ Email: _____

Permit fee submitted: \$50 Individual Display Fee \$50 Expediting fee for permits received by State Fire Marshal's Office within 10 days of display (in addition to the permit fee).
 Multiple Display Fee (\$400 max)

Name of Display: _____

Location of Display: _____
Street Address

City Zip County

Date(s) and Time(s) of Display: _____

TN Licensed Exhibitor: _____
Name of Exhibitor Tennessee License Number

TN Certified Operator(s): _____
Operator Name(s) Tennessee Certification Number(s)

Identify the type(s) of display(s): Outdoor Fireworks (NFPA 1123) Proximate Pyrotechnics (NFPA 1126) Flame Effects (NFPA 160)

If fireworks or pyrotechnics are used, identify the DOT Classification: 1.3 1.4G 1.4S Consumer or Common

I hereby certify, as is evidenced by my signature hereto, that I have read and understand the fireworks laws for the state of Tennessee. I will abide by chapter 68-104 of the Tennessee Code Annotated which governs public display of fireworks, pyrotechnics and flame effects.

Signature of Applicant

Date

A PERMIT WILL NOT BE ISSUED WITHOUT THE SIGNATURES BELOW

If the proposed display is to be performed within the limits of a municipality, submit the signed approval of the chief supervisory officials of the fire department of such municipality. If the proposed display is to be performed within the limits of a county, but outside the limits of a municipality, submit the signed approval of the fire department officials of such county, or such officials' designee.

I, _____ Chief Supervisory Official of the Fire Department of the City/County

of _____, hereby approve this application. Date: _____



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Outdoor Fireworks Display Diagram Checklist
2006 Edition of NFPA 1123, Code for Outdoor Fireworks Displays

Show information on the site plan or by other documentation where applicable

1. List the types of fireworks used with mortar sizes (3in. dia., 4in. dia., etc.). The display site radius must have 70 ft/in for the largest mortar diameter (example: 6in dia. Mortar x 70ft/in. = 420ft. clearance). (NFPA 1123 5.1.3)
2. Show the location of emergency personnel, emergency vehicle staging area, and access routes. (NFPA 1123 5.1.6)
3. The display operator, sponsor, or both should prepare and submit site plans to the authority having jurisdiction for approval. These diagrams should be drawn to approximate scale, should illustrate compliance with Annex E, and to the extent required by the authority having jurisdiction should contain all of the following information.
 - (1) Display site – identify significant ground features, public rights of way, significant building or structures, overhead obstructions, parking areas, and spectator viewing areas.
 - (2) Location of fireworks storage areas.
 - (3) Fallout area, including dimensions.
 - (4) North arrow.
 - (5) Likely wind direction.
 - (6) Location of significant roadways, including access and control points.
 - (7) Traffic plans indicating the flow of vehicles into and out of the site before and after the display.



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Proximate Pyrotechnic Display Diagram Checklist
2006 Edition of NFPA 1126, Standard for Proximate Pyrotechnic Displays
(Show information on the diagram or by other documentation where applicable)

1. List the pyrotechnic operator's qualifications and experience. (NFPA 1126 6.3.2(6))
2. Identify the location, number, and type of pyrotechnic devices, mortars, and materials used. (NFPA 1126 6.3.2 (10))
3. Submit a diagram of the grounds or facility where the production is to be held. (NFPA 1126 6.3.2 (11))
 - a. Show the point at which the pyrotechnic devices are to be fired.
 - b. Identify any overhead obstructions.
 - c. Show the fallout radius for each pyrotechnic device used in the performance.
 - d. Show the lines behind which the audience must be restrained (at least 15 ft. clearance, but not less than twice the fallout radius of the device). (NFPA 1126 6.4.1)
 - e. For outdoor displays, show the location of the fire suppression vehicles and personnel required by Tenn. Code Ann. § 68-104-211(b).
4. For indoor displays, provide a statement that at least one trained fire fighter will be on site during the display as required by Tenn. Code Ann. § 68-104-211 (c) (1).
5. Identify the manner and place of storage of the pyrotechnic materials and devices. (NFPA 1126 5.1)
 - a. Fireworks shall be stored in a secured area except where supervised or inaccessible. (NFPA 1126 5.2.3)
 - b. Provide magazine storage for mixed binary products (DOT 1.3G) in accordance with Title 7, Code of Federal Register Subpart K (federal storage regulations).
6. Provide certifications that the set, scenery, and rigging materials are inherently flame-retardant or have been treated to achieve flame retardancy. (NFPA 1126 6.3.2 (15))
7. Provide at least 2 pressurized water extinguishers **and** at least 2 Class 10-BC extinguishers located on opposite sides of the stage. (NFPA 1126 8.1.1.1 and 8.1.1.2)

8. Where the performance necessitates the bypassing of any smoke detectors, the permittee must arrange for a fire watch officer from the authority having jurisdiction to be available during performances and rehearsals. The fire watch must be capable of directing the operation of all fire detection and life safety systems. (NFPA 1126 8.1.6.1)
9. Each device must be at least 15 ft or twice the fallout distance from the audience, whichever is greater. (NFPA 1126 8.4.1)
10. Concussion mortars must be separated from the audience by a minimum of 25 ft. (NFPA 1126 8.4.2)



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**Flame Effect Display Checklist
2006 NFPA 160, Standard for Flame Effects Before an Audience**
(Show information on the diagram or by other documentation where applicable)

Per A.3.3.19:

- 1) Identify the flame effect classification (Class I-VII)—Examples of flame effects are as follows:
 1. Group I. Hand-held burning torches, cigarette lighters, candles, matches, and lighting paper in an ashtray.
 2. Group II. Unattended torches, burning urns, and small fires.
 3. Group III. Effects used by traveling shows and concerts and effects used for limited-duration special events, such as the Olympics.
 4. Group IV. A burning cabin or bonfire and large single or multiple flaming brazier entrance features used to create a “theme” atmosphere. A stand-alone-type flame effect control system without any significant control supervision by a main show control system is used.
 5. Group V. A simulated building or vehicle explosion that is part of a larger theme-type attraction. The flame effect control system is totally dedicated to the operation of the flame effect elements. The flame effect control system maintains all its internal safety features, with the interface between the flame effect control system and the main show control system limited to those commands and status indicators that cannot alter or override the flame supervisory system control logic.
 6. Group VI. A live-action stunt show that is part of a larger theme-type attraction. The flame effect control system is totally dedicated to the operation of the flame effect elements. The flame effect control system maintains all its internal safety features, with the interface between the flame effect control system and the main show control system limited to those commands and status indicators that cannot alter or override the flame supervisory system control logic.
 7. Group VII. A fire created as part of an illusion used to make an item or individual disappear.

- 2) Provide a site plan showing:
 1. A narrative description of the effect.
 2. The location of devices to be fired and their controls and control sequence.
 3. The area affected by the flame effect device.
 4. The audience location.
 5. Types of fuels to be used and their estimated consumption—include MSDS sheets on each.
 6. Air for combustion and ventilation.
 7. Flammable materials piping.
 8. Storage and holding areas—All flammable flame effect materials and loaded devices that have been removed from storage areas in anticipation of use shall be stored in a holding area acceptable to the authority having jurisdiction. Flammable flame effect materials and loaded devices in holding areas shall be secured or supervised continuously by an attendant trained in emergency response procedures.
 9. Supplemental fire protection features.
 10. Emergency response procedures—Standby fire safety personnel shall be positioned in accordance with the fire safety analysis along with operational supplemental equipment.
 11. Provide documentation proving combustible materials used for construction of the effects or located near the effects have been rendered flame retardant. (NFPA 160 5.3.1.2 (8))
- 3) Standby fire safety personnel shall have a working knowledge of the supplemental fixed or portable firefighting equipment used in the area of the flame effects. (NFPA 160 11.4.2)
- 4) Provide at least 2 pressurized water and 2 Class 10-BC extinguishers. (NFPA 160 11.3.2.1)
- 5) Where the effects require the interruption of fire protection and life safety systems, provide an approved fire watch capable of directing the operation of all fire protection and life safety systems. (NFPA 160 160 5.5.1)