



Las Vegas Fire & Rescue Fire Prevention Division Information Sheet



Effective Date: July 1, 2014

CLV Ordinance #6325

The items listed are basic information only. Codes are subject to change. Additional requirements may apply.

Pyrotechnic, Firework and Flame Effect Displays and Productions

This information sheet provides the basic requirements for the use of Outdoor and Indoor pyrotechnic (Firework) displays, proximate audience displays, flame effects and pyrotechnic special effects.

Permits:

An operational permit is required for the use and handling of pyrotechnic material, open flame effects, fire performances in accordance with **IFC 105.6.36, NFPA 1123 or NFPA 1126 or NFPA 160.**

Any changes to submitted permit including quantities, sizes, locations, technician on site, will void the permit unless prior written approval is granted by the *Fire Code Official*.

Definitions:

Fireworks. Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration or detonation that meets the definition of 1.4G fireworks or 1.3G fireworks as set for herein.

Fireworks 1.3G (Formally class B, Special Fireworks) Large Fireworks devices which are *explosive materials* intended for use in fireworks displays and designed to produce audible or visible effects by combustion, deflagration or detonation.

Fireworks 1.4G (Formally class C Common Fireworks) Small fireworks devices containing restricted amounts of pyrotechnic composition designed primarily to produce visible or audible effects by combustion.

Fireworks Display A presentation of fireworks for a public or private gathering.

Flame Effects The combustion of flammable solids, liquids or gases to produce thermal, physical, visual or audible effects before an audience.

Fallout Area The fallout area is the area over which the aerial shells are fired. The shells burst over the area, and unsafe and malfunctioning aerial shells fall into this area. The fallout area is the location where a typical aerial shell dud falls to the ground depending on the wind and angle of mortar placement.



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Pyrotechnics. Controlled exothermic chemical reactions timed to create the effects of heat, hot gas, sound, and dispersion of aerosols, emission of visible light or a combination of such effects to achieve the maximum effect from the least volume of pyrotechnic composition.

Fire and Flame Effects. Refer to fire and flame effects guidelines for permit submittal requirements

Submittal Requirements:

1. Completed LVFR Temporary Permit application including:
Name of event
Location of event
2. Date of Permitted Activity
3. Applicant / Contractors name, billing address
4. Complete pyrotechnic shot/queue list including sizes, basic descriptions.
5. Detailed site or facility diagram of the show location. *Including the location where effect will be fired.
6. Material Safety Data Sheets (MSDS) of the pyrotechnical material to be used.
7. Manner and placement of on-site storage shall be:
 - a. Stored within an approved storage magazine,
 - b. In accordance with the *International Fire Code* and in a location approved by Las Vegas Fire & Rescue.
 - c. Have contracted dedicated Fire Watch staff during storage time
8. Storage of any extra flammable gas cylinders shall be outside the building in an approved and secured site.
9. Copy of valid Nevada State Fire Marshal company certification
10. Copy of valid Nevada State Fire Marshal technician certification
11. Provide Certificate of Insurance naming the City of Las Vegas as the additional insured for the following:
 - \$2 million per occurrence General liability
 - \$5 million Aggregate with a Waiver of Subrogation.
 - \$2 million Employers Liability with Waiver of Subrogation.
12. Right of Way Permit if event or fallout area extends into the public way.



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Production:

LVFR Fire Prevention Personnel shall be present at all firework display or productions.

- A test or demo shot shall be witnessed by LVFR staff unless determined not required. (Such demo shall be at within 1 hour prior to outdoor fireworks shows. Specific device types may be required to be tested. *Acceptance of each device type and or effect is at the discretion of LVFR.*
- For interior productions pyrotechnic effects will generally not be permitted in front of the proscenium opening.
- A minimum of two (2) 2-A;10-B:C rated fire extinguishers shall be present on stage during firework display demo and production.

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(702)229-0366

www.lasvegasnevada.gov/LawsCodes/fire_code.asp