



CLARK COUNTY FIRE DEPARTMENT

Fire Prevention Bureau

575 E. Flamingo Road, Las Vegas, NV 89119

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Permit Type: 105.6.50
Control Number: A.0
Effective Date: 11/15/11

TITLE: **FLAME EFFECTS**
Fire Performer

SCOPE: Clark County Fire Department requirements for the submittal for permit to conduct a fire act/performance before a proximate audience. This is including, but not limited to, live theatrical/tribal performances, rehearsals, research and development, video/audio taping or filming of any television, radio or motion picture production. Fire jugglers, magicians, dancers, fire stunts and the like in accordance Section 105.6.50, Flame Effects, of the Clark County Fire Code are included.

Pyrotechnics, permanent propane flame effects, temporary propane flame effects, candles, food warming open flame devices, fireplaces, fire pits, and restaurant cooking and consumer fireworks are not covered in this guideline.

PURPOSE: To standardize plan/permit requirements required Sections 105.6.50 and 308.3.2 of the Clark County Fire Code. Permits issued for flame effects expire one year after the date of issue. Permits for the same effect may be renewed.

PERMIT FEES:

Permit fees shall be assessed in accordance with the Permit Fee Schedule as adopted in the Clark County Fire Code. For applications that are expedited, additional fees shall apply.

DEFINITIONS:

Assessor's Parcel Number (APN): A unique number assigned to each property by the Clark County Assessor's office.

Fire Performer: Person manually manipulating an open flame or flaming equipment in a performance before a proximate audience.

Proximate Audience: An audience closer to a fire performers display than would be permitted by the Standard for Fireworks Displays, NFPA 1123 (70 feet).

PERMIT PROCEDURE INFORMATION:

Permit fees shall be assessed in accordance with the Permit Fee Schedule as adopted in the Clark County Fire Code. Plans will be reviewed within a 4-week time frame from date of plan submittal. For applications that are expedited, additional fees shall apply. Expedited plans will be reviewed within a 2-week time frame from date of submittal.

SPECIFICATIONS AND REQUIREMENTS:

An application must be completed for each submittal. A minimum of three sets of plans or manufactures' literature for the flame effect, as described below, shall be submitted with the permit application. Submittals shall show compliance in accordance with Section 308 of the Clark County Fire Code. Plans shall be legible or shall be rejected for cause.

Required Submittals:

An application must be completed for each performance or show. Multiple shows of the same performance may be submitted under one permit. Descriptions of the performance and devices used shall be submitted with other information and noted below:

Licensing:

A copy of a valid Nevada State Fire Marshal "Fire Performer" certificate of registration is required for any performer (manually manipulating an open flame or flaming equipment in a performance before a proximate audience). Nevada State Fire Marshal certified "Apprentice" Fire Performers and or any Fire Performers not currently licensed by the Nevada State Fire Marshals office are permitted to perform a display only when observed by at least one Fire Performer licensed by the Nevada State Fire Marshal's office. All performances overseen by a Nevada State Fire Marshal licensed Fire Performer will be the under the observing Fire Performer's CCFD Flame Effects (Fire Performer) permit, license and insurance coverage.

Insurance:

A copy of the Certificate of Insurance for the specified event under the permit application is required. "Clark County, its agents, employees and volunteers" shall be named as additional insured and certificate holder. General liability limits, including contractual liability, in the minimum amount of \$1,000,000 shall be provided to conduct each Flame Effect (Fire Performance) display. Greater liability insurance amounts may be required in certain cases as required by the Chief. All Apprentice or unlicensed Fire Performers must be listed as additional insured on the insurance certificate.

Production Schedule:

Submit a detailed description to include the following:

- Property name, address, location (i.e. showroom, convention center)
- Date and time of each performance.
- Demonstration date and time.
- Name, address and age of each performer.
- List of all effect(s) to be used along with a brief description of each.
- A detailed written description of the each performance using each different effect. Include number of performances, dates and times.
- Construction type and materials used for stage and proximate surroundings. Certificates of flame resistance are required for any materials proximate to this effect and performance.
- Provide the ceiling height measured from the top surface of the performance location to the ceiling or nearest overhead obstruction.
- A detailed site plan indicating stages, location of spectators (15 feet from any effect), location of other performers on stage during the effect, location of fire performers on stage and the separation distance from effect to the edge of stage (15 feet minimum) and overhead obstructions, separation distances from the effect to spectators and the nearest flammables/combustibles (15 feet minimum). Site plan must also identify use/performance area with location(s) of effect(s) and storage/work areas, (use separate map if necessary).
- Material Safety Data Sheets (MSDS) on product(s) being used note name of effect(s) or corresponding MSDS.

Appliance Design Data:

- Pictures of all appliances (at rest and in motion); torches, fans, batons, swords, staffs and all other effects to be used are required for all submittals.
- A detailed description of how each device is constructed including all safety features associated with these effects (safety wire, screws, wire mesh and retaining materials). Note if the device is pre-engineered from a third party manufacturer or constructed by the performer or performer's company.
- A detailed written description of how each open flame device is used and the location of use. Each separate appliance requires a description. (*Example: The open flame device is used by the performer in a juggling act. Juggling appliance will not leave the performers hands at any time during the performance.*) And any other information that may be deemed pertinent to the performance.

- A detailed description of how each effect is fueled. Location of fueling, how they are fueled, distance of fueling from buildings. All fuels must be absorbed into the effect dripping or leaking equipment will not be permitted. Include quantities used and stored on site for each performance.
- Provide the manufacturers specification sheets/schematics for the proposed flame effect equipment or appliances.
- A detailed list of all fire extinguishing equipment used, location of extinguishing equipment, minimum number of persons assigned to fire watch and extinguishing duties. Note the location of these individuals and a detailed narrative regarding how effects will be normally extinguished and during emergency situations.
- Description or means of activation (firing/lighting) appliance or effect.

Security:

A security detail shall be provided for each fire performer. Qualifications are:

1. Be physically capable to maintain a constant watch over the fire performer.
2. Replacement security personnel must be provided to continue the watch in the event of a shift change.
3. Be trained in the use of a portable fire extinguisher and capable of extinguishing a small incipient fire utilizing a portable fire extinguisher.

Cancellations:

1. The permit has been used by a person other than the person to whom the permit was issued.
2. The permit has been used for a location other than that for which it was issued.
3. Any of the conditions or limitations set forth in the permit has been violated.
4. The permittee failed, refused or neglected to comply with orders or notices duly served in accordance with the provisions of this governing code within the time provided there.
5. An emergency/fire alarm condition identified in or proximate to areas of the performance may delay the start or the continuation of the performance until such condition is corrected. If true emergency is identified, the display will be cancelled.

6. A breach of the display area or area depicted for required separation distance by a spectator or other performer will delay the start or continuation of the performance until such condition is corrected. Continued breaches of these areas may prompt a cancellation of the performance.

PERMIT REVISIONS AND RESUBMITTALS:

Revisions to approved devices or plans are required to be submitted and approved. Revisions will be assessed additional plan review fees. A copy of the previously approved plan or sample of device shall accompany the revised submittal to facilitate the review. Clearly indicate all changes to the revised plans by clouding the change with a delta number to signify the date of plan change. When several changes have been made, a detailed list of changes is required.

Re-submittals to address a Letter of Correction will require a full submittal. These plans require a copy of the red lined plan from the previous submittal to facilitate the review. Clearly indicate all changes by clouding the change with the delta number to signify the date of plan change.

PLANS CHECK STATUS INSTRUCTIONS:

The status of the review can be checked by logging on to:
www.clarkcountynv.gov/depts/fire.

INSPECTIONS THAT MAY BE REQUIRED AND SCHEDULING INSTRUCTIONS:

If approved, an inspection will need to be scheduled. To schedule an inspection, also go to: www.clarkcountynv.gov/depts/fire. A fire inspector will review your site in accordance with the approved plans and this guideline and, if compliant, will issue the permit.

Each open flame device will be inspected in its location and condition of use.

The Clark County Fire Department's Fire Prevention Bureau (FPB) may witness and accept inspection, testing and maintenance of fire and life safety systems conducted by approved individuals as required by and within the scope and authority of the Clark County Fire Code.

This Guideline does not take the place of the Fire Code and does not take precedence over any Fire Code requirement or position taken by the Fire Chief. When a conflict exists between the requirements of this Guideline and the Fire Code or the opinion of the Fire Chief, the Fire Code or opinion of the Fire Chief prevails.

Technical Assistance, when required by the fire chief, will require a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.

Acceptance of Alternative Materials and Methods requires a Technical Opinion and Report prepared by a State of Nevada licensed: qualified engineer, specialist, laboratory, or fire safety specialty organization acceptable to the Fire Chief and the owner. The Fire Chief is authorized to require design submittals to bear the Wet Stamp and Signature of a professional engineer.