



MISSOURI DIVISION OF FIRE SAFETY

PROXIMATE FIREWORKS DISPLAY INSPECTION CHECKLIST



Display Location:	
Sponsor:	Display Date(s):
Operator:	License No:
Contact Person:	Phone:
Fire Department:	Local AHJ Contacted <input type="checkbox"/>

PERSONNEL

- Verify display operator identity
- Verify information on the identity and ages of all assistants (18Y/O)
- The pyrotechnic operator and assistants shall wear safety glasses and protective clothing applicable to the hazard associated

SECURITY

- Verify site security of storage area
- A quantity of pyrotechnics no greater than that needed for the production of special effects in one performance or rehearsal shall be removed from storage
- Smoking shall not be permitted within 25 feet of the area where pyrotechnics are being handled or stored

FIRE PROTECTION

- At least two pressurized water, Class 2-A extinguishers and two Class 10-BC extinguishers present
- Approved separate, lockable room or facility for the preparation of pyrotechnic materials and devices
- Approval for portions of fire detection systems to be interrupted during the operation of temporarily installed pyrotechnic effects with an approved fire watch capable of directing the operation of all fire detection and life safety systems
- Smoking not permitted within 25 feet of the area where pyrotechnics are being handled or stored
- NO SMOKING signs conspicuously posted
- Set and scenic materials, and rigging materials treated for flame retardance (**Certification**)
- All designated exits clear and visible

PYROTECHNIC PRODUCT INFORMATION

- Number and types of pyrotechnic devices and materials to be used** _____
- Material safety data sheet (MSDS) for the pyrotechnic materials
- Pyrotechnic devices and materials used indoors shall be specifically manufactured and marked for indoor use by the manufacturer

COMMUNICATIONS

- Pyrotechnic devices shall be fired only when the area where the effect is to occur is in clear view of the pyrotechnic operator or an assistant who is in direct communication with the operator.
- Direct communication with the pyrotechnic operator or assistant shall be permitted to be accomplished



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using signal lights or other nonverbal means of communication

PYROTECHNIC EQUIPMENT and DEVICES

- All pyrotechnic devices mounted in a secure manner to maintain their proper positions and orientations
- Pyrotechnic materials fired only from equipment specifically constructed for the purpose of firing pyrotechnic materials
- Binary systems mixed one unit at a time, and no more units than are needed for immediate use shall be mixed
- Binary systems shall only be mixed in the bottles supplied by the manufacturer
- Mortars and flash pots constructed so that they do not fragment when the pyrotechnic material is fired and so that their shapes are not distorted after use
- Rockets attached securely to a guide wire or cable of sufficient strength and flame resistance with both ends attached and placed on an impact-resistant surface located at the terminal end of the guide
- Flares shall be placed so that any debris falls into a safe, flame-resistant area
- Comets and mines fired so that the trajectory of their pyrotechnic material is not carried over the audience
- Waterfalls and gerbs placed for firing so that no flammable materials are within their fallout area
- Airbursts suspended by a minimum 30-gauge metal wire that is attached securely to a secure support.
- The airburst shall occur at a minimum height of three times the diameter of the effect (over audience)
- Where the airburst effect is demonstrated over the audience, there shall be no burning or glowing particles less than 15 feet above the floor
- When pyrotechnics are fired, the quantity of smoke developed shall be controlled so as not to obscure the visibility of exit signs or paths of egress
- No pyrotechnics shall be left unattended other than in a secured, approved location

SEPARATION DISTANCES FOR AUDIENCES

- Each pyrotechnic device fired during a performance shall be separated from the audience by a minimum of 15 feet or twice the fallout radius of the device, whichever is greater
- Concussion mortars and concussion effects shall be separated from the audience by a minimum of 25 feet
- There shall be no glowing or flaming particles within 10 feet of the audience

Inspection By:		Inspection Date:	
<input type="checkbox"/> Display Approved	<input type="checkbox"/> Display Not Approved	Re-Inspection Date Scheduled:	
Re-Inspection By:		Re-Inspection Date:	
<input type="checkbox"/> Display Approved After Re-Inspection		<input type="checkbox"/> Display Not Approved After Re-Inspection	