



## HAZERS / LASERS / PYRO

Use of hazers/foggers, lasers and pyrotechnics at the Los Angeles Convention Center must be approved by the Fire Marshal in advance. Requests must be in writing and must adhere to the information enumerated below. Guidelines for using the respective special effects equipment are listed below.

An LAFD fire safety officer (FSO) is required anytime haze/foggers, lasers or pyrotechnics will be operated as LACC's fire life safety system may be impacted and this labor will be billed to Licensee, plus an hour of travel time per shift.

The FSO may require a test and/or demonstration be performed to ensure that operation of these special effects elements will not negatively affect the building's fire/smoke detection system. Licensee is responsible for cost for potential damages associated with the use of any of these special effect elements.

Show management are responsible for foggers/hazers, lasers and pyrotechnics in accordance with all federal, state, and local laws & codes, along with the manufacture's specifications, within the parameters of the Fire Marshal requirements.

If the FSO approves pressurized containers/vessels, containers must be protected from physical damage and secured from falling or overturning. Storage of such containers/vessels outside of live event use cannot be inside the venue and storage must be arranged outdoors.



### HAZERS & FOGGERS

Please provide the following to your Event Manager:

- A written scope of the project detailing the desired effect, the level of effect (heavy, moderate, light), and the proposed dates, times, and duration of each period of operation (performance).
- Drawings showing placement of machines and the areas targeted for effect.
- Quantity of machines and type (model) of machines.
- Name of fogging agent (liquid/chemical/gas) and description of the holding container. (For example: 1-gallon bottle of Roscoe DF-50, 100 lbs. canister of liquid Nitrogen, etc.).
- A Material Safety Data Sheet (MSDS) for the fogging agent and/or any other liquid or gas that will be used.

Foggers/hazers must use fogging agents that are non-toxic and present no harmful effects. Fogging agents and the respective use thereof shall be such that no oily residue is deposited on

carpet or other walking surfaces that could potentially cause slip & fall hazards, or be deposited on any of the surfaces of the building. Water-based foggers/hazers are preferred.

### LASERS

Please provide the following to your Event Manager:

- A written scope of the project describing the desired effect, level of effect, dates/times and duration of each period of operation (performance), drawings indicating the placement (location) of lasers, mirrors and the entire path and target area of the beams.
- Quantity of machines and type (model) of machines.
- Electrical service required for each machine (volts, amps, and phase).
- Method of cooling (self-cooling, water cooled, Nitrogen cooled, etc.).
- Name of any liquid/chemical/gas proposed for use, description of the container it comes in, and the respective Material Safety Data Sheets (MSDS).
- Name of company and person(s) certified to operate the laser(s), as well as a copy of their FDA Laser Operation Certificate.

Lasers, mirrors and other related equipment must be placed in approved locations and targeted in such a manner that prevents the laser beams from being projected in the direction of any person. This may include but not limited to the audience area, production areas, catwalks and any areas where personnel will be impacted.

Lasers requiring large volumes of water for cooling may be required to use a recirculation system to conserve water.

### PYROTECHNICS

Please provide the following to your Event Manager:

- A written scope of the project detailing the desired effect, the level of effect (heavy, moderate, light), and the proposed dates, times, and duration of each period of operation (performance).
- Drawings showing placement of machines and the areas targeted for effect.
- Quantity of machines and type (model) of machines.
- Name, contact information and California Pyrotechnic Card # of the onsite pyro operator.
- Date and time when advance pyrotechnic demonstration can be conducted.

