



## LASERS / FOGGERS

Use of lasers or fog/haze machines in the Los Angeles Convention Center must be approved by the Fire Marshal. Requests must be in writing and must adhere to the information enumerated below. Guidelines for using the respective equipment at the LACC are listed below.

### FOG & HAZE MACHINES

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.

LAFD requires that a test be performed to ensure the level of fog created will not affect the building's fire/smoke detection system. Arrangements must be made at least 48 hours in advance to schedule a test. Projects found to affect the fire/smoke detection system may be approved depending on circumstances, overall effect on the system, and the exhibitor's ability to meet conditions outlined by the Fire Marshal.

Projects affecting the system that are approved will be subject to LACC labor charges to repair or adjust the fire/smoke detection system, and related charges for hiring a Fire Marshal to monitor the project.

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.

If pressurized containers/vessels are approved for use, containers must be protected from physical damage and secured from falling or overturning. The quantity of containers allowed in the exhibit hall or meeting room shall be determined by the Fire Marshal, which are generally no more than one day's use. Additional containers must be stored outside of the facility in a designated area.

Show management must make arrangements with the freight contractor for storage and delivery of containers. Deliveries must be made during NON-show hours.

Show management is responsible for operating all foggers/hazers in accordance with all Federal, State, and local laws and codes, along with the manufacture's specifications,

within the parameters of the Fire Marshal's approval as well as the requirements set forth in this document.

### 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.

LAFD requires that a demonstration be conducted to evaluate the laser production prior to the opening of the show. Arrangements must be made at least 48 hours in advance to schedule a demo. Lasers, mirrors and other related equipment must be placed in approved locations and targeted in such a manner that prevents the laser beams from coming in contact with any personnel. Lasers are prohibited from targeting any area in which persons may be present such as LACC catwalks, meeting rooms, elevated platforms, etc.

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

Once again, if pressurized containers/vessels are approved for use, containers must be protected from physical damage and secured from falling or overturning. The quantity of containers allowed in the exhibit hall or meeting room shall be determined by the Fire Inspector, which generally exceeds no more than one (1) day's use. Additional containers must be stored outside of the facility in a designated area.

Show management must make arrangements with the Freight contractor for storage and delivery of containers. Deliveries must be made during NON-show hours.

Show management are responsible for operating lasers; in accordance with all Federal, State, and local laws & codes, along with the manufacture's specifications, within the parameters of the Fire Inspector's approval as well as the requirements set forth in this document.

For additional information, please contact:

LACC Event Services  
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