



CITY OF
Lethbridge



LETHBRIDGE FIRE PREVENTION BUREAU

207-4 AVE SOUTH

Lethbridge Alberta, T1J 0M8

PH: 403-320-3811

FAX: 403-327-3511

Email: fireprevention@lethbridge.ca

REQUIREMENTS FOR PYROTECHNICAL SHOWS

Present or Fax - to our office the license or pyrotechnic special effects certificate by Explosives Regulatory Division [**ERD**] to the office of Authority Having Jurisdiction [**AHJ**], Lethbridge Fire Prevention Bureau.

- ⇒ Provide proof of liability insurance in the minimum amount of **FIVE MILLION DOLLARS.**

- ⇒ Provide written permission from the building or land owner or the City, if on City land, allowing performance.

- ⇒ Event approval form provided by the authority having jurisdiction [**AHJ**]

(See attached)

Provide the AHJ with the following:

1. A site plan containing:

- A secured safe zone from fallout of two hundred meters for 180 degrees in front and thirty five meters for 180 degrees behind
- Security to insure spectators stay clear of fallout zone
- Sketch of the venue and surrounding area
- Positions of audience
- All exits
- Pyrotechnic storage area
- Safe zones
- An emergency evacuation plan

2. A letter of intent containing:

- Location, dates and times
- General description of scene
- Pyrotechnic special effect articles to be used
- Fabrication
- Anticipated result
- Location of smoke sensors [alarm and detection types] and heat sensors
- Methods of determining safety distances for all personnel and exposures
- Safety measures to be taken
- Post show clean-up procedures

3. A list of all pyrotechnic articles to be employed, together with:

- Nature of pyrotechnic articles to be functioned e.g. [height, range, fall out, duration]
- Placement of all pyrotechnics
- Sequence of firing

4. Explosive shipping document containing:

- Date
- Name and address of consignor
- Name of first carrier
- Description of explosives
- Shipping name
- Primary classification
- A product identification number
- Total quantity of explosives

5. Check List for Interior Pyrotechnics:

- The event can be preformed safely
- The smoke ventilation capabilities of the venue
- How the pyrotechnics may affect the audience, performers, crew, Pyrotechnician, venue, or site
- Post “No Smoking” signs in detonation zone

The AHJ may request that the Pyrotechnician:

Perform a representative demonstration or dry run of the production in order to judge whether:

Event Safety: Everybody’s First Responsibility

Ensure at least two 3A–60BC fire extinguishers are on site. One extinguisher can be a 10 litre pressurized water unit.

Ensure a fire blanket, first aid kit and eye wash stations located within 15 meters of the display.

The two extinguishers are in addition to those already present at the venue.

Understanding that pyrotechnic compositions produce their own oxygen and heat thus do not require air or external heat to burn.

All staff must be at least eighteen years of age and be wearing safety glasses.

Explosive products must never be left unattended.

Conduct a safety meeting with all those involved on all aspects of procedures and operations before all dry runs, rehearsals, and the event.

Plan for the unexpected:

The AHJ may require fire pumps and crews be on scene.

All staff must be knowledgeable of the emergency evacuation plan.

Conduct a pre-performance fire safety check in the detonation or fallout area (Interior or Exterior):

- Stage equipment and rigging
- Carpet, blinds
- Screens
- Insulation
- Wall coverings
- Set material
- Natural grass or trees
- Areas of sewer gas or vapours
- As always - look up

The personal information collected on this form is within Section 33 of the *Freedom of Information and Protection of Privacy Act*. It is used for the purpose of a Pyrotechnic permit and will only be disclosed to the Fire Prevention Bureau.

If you have any questions or concerns please contact the Fire Prevention office at **403-320-3811**

Current Fee: \$112.00