

# IDAHO STATE FIRE MARSHAL'S OFFICE

## Application for Permit to Operate Flame Effects INSIDE Buildings and OUTDOORS on Before a Proximate Audience

### INSTRUCTIONS

160

All Information must be printed in ink or typed.

Submit only one (1) copy of this application and all its attachment(s) to the SFMO. The SFMO must be in receipt of this application not less than 15 days prior to event.

**Line 1.** Provide name of person or company applying for flame effect permit.

**Line 2.** List telephone number where applicant may be reached.

**Line 3 & 3b.** Use mailing address the applicant can expect the quickest delivery service. If available, provide an email address.

**Line 4.** What is the physical address (location) of the permit applicant if it is different from the mailing address give.

**Line 5.** List city, state and zip code for the complete mailing address.

**Line 6.** Provide the applicant vendor's Taxpayer Identification Number (TIN) as provided by the IRS.

**Line 7.** Print the name of the person who is representing the applicant listed on Line 1 and whose signature appears on Line 16.

**Line 8.** Provisions contained in the Idaho Fire Code (IFC) and its incorporated NFPA 160 standard govern the use of flame effects before an audience. **This application is for a permit to use flame effects on a temporary basis.** For the flame effects that are to be used for a period greater than 180 days, the applicant should consult with the SFMO for further direction or information on permanent flame effects.

- If in tandem with **Fireworks** – A permit to use flame effects does not confer approval to use fireworks or pyrotechnics. To use fireworks or pyrotechnics in tandem with flame effects, a separate application is to be completed and submitted with this application as a package. If fireworks are to be used, check the box located in the note below Line 8.4.
- Check each circumstance flame effects will be used and whether it will be inside or outside a building or both.

**Line 9.1 through 9.3.** Print the name and address of the venue at which flame effects will be used along with the name and telephone number of the venue manager.

**Line 10.** Provide the date and time-frame the use of flame effects will occur.

**Line 10.1.** The box is to be checked if the use of flame effects will occur on multiple, consecutive dates. Checking the box for Line 10.1 is intended to apply **only** to those multi-day display that are identical in location, types and numbers of devices. If the dates are not consecutive, if the number and/or types of flame effects are not identical to the date before, or if identical device setups will occur at different locations or dates, new permit is required.

If multiple dates are planned for identical setups, list the additional dates and times on a separate sheet. Label or indicate at the top of the sheet that it's an attachment for Line 10.1.

**Line 11.** The IFC provides an opportunity for the operator to prove to the fire official, sponsor and venue manager that the flame effects and devices will operate as planned and within the safety parameters required by the IFC. Designate a date and time at which a walk-through can begin and representative demonstration will be available.

**Line 12.** Check the classification of the flame effects system as they are described in NFPA 160.

**Line 13.1 and 13.2.** Provide the name and age of the operator who will be in responsible charge of the flame effects along with the name and age of any assistants.

**Line 13.3.** A use permit shall authorize the use of only the number and types of flame effects in the venue specified.

**Line 14 through 14.6.** A plan for the use of flame effects is to be submitted to the SFMO as part of the permit application. The plan is also to be readily accessible at the venue where flame effects will be used and is subject to inspection.

The specifics of the plan are to be in conformance with the standard. Once accepted, approved and a permit is issued, all subsequently additions and modifications are to be pre-approved before using any modified flame effects. The plan should account for each appropriate item for the circumstance the effect will be used.

**Line 14.1.** Contains items that should be addressed in the plan and are common between indoor and outdoor flame effects.

**Line 14.2.** Contains items that should be addressed and are specific to the outdoors

**Line 14.3.** Contains items that should be addressed and are specific to the indoors.

**Line 14.4.** Lists items the plan should address as they relate to the operator's knowledge, skills and abilities. It should also address the level of control the operator or performer have on the flame effects.

**Line 14.5.** Lists items that deal with unattended effects.

**Line 14.6.** Deals with the certification of costumes, set, scenery and rigging materials being inherently flame-retardant or have been treated to achieve flame retardancy when exposed to flame effects such items are exposed to or are in the area affected by a flame effect device.

**Line 15.** Attestation that is largely self-explanatory but should be read carefully. Attention should be given to the "special instructions" in the box.



# IDAHO STATE FIRE MARSHAL'S OFFICE

## APPLICATION FOR PERMIT TO OPERATE FLAME EFFECTS INSIDE STATE-OWNED BUILDINGS AND OUTDOORS ON STATE-OWNED PROPERTY BEFORE A PROXIMATE AUDIENCE

**160**

1. Name/Company:	2. Company Phone Number:
3. Mailing Address:	
3b. Applicant Email Address:	
4. Applicant Physical Address (If different from Line 3):	
5. City/State/Zip:	6. Applicant TIN (Taxpayer Identification Number):

7. Printed name of applicant representative whose signature appears on Line 16:

8. As they may apply, check each of the following temporary\* circumstances for which application being made.  
 [\*Any flame effect that is for a period greater than 180 days is not considered temporary. The SFMO should be consulted for any further information direct for permanent flame effects.]

- 8.1.  The rehearsal of any production incorporating flame effects intended to be presented before an audience.
- 8.2.  The use of flame effects before an audience.
- 8.3.  The use of flame effects while rehearsing, videotaping, audit taping or filing of any television, radio or movie production where such production takes place before a proximate audience.
- 8.4.  The use of flame effects will occur  inside  outside  both inside and outside of building.

**Note:** This application and any permit issued as a result do not confer specific approval to use pyrotechnic devices. A separate application and permit is required for the use of fireworks or pyrotechnic devices.

**Check here if flame effects will be used in concert with pyrotechnics.** Complete application for fireworks or pyrotechnics and submit with this flame effect application.

### 9. Venue

9.1. The name of the venue at which the use of flame effects will take place is:	
9.2. Provide venue location using complete street address:	
9.3. Name of the venue manager: (Print Only)	Phone Number:

10. The use of flame effects will occur on:

Date: \_\_\_\_\_ / \_\_\_\_\_ / 20 \_\_\_\_\_ beginning at (time) \_\_\_\_\_:\_\_\_\_\_ [ ] am [ ] pm  
and end at (time) \_\_\_\_\_ : \_\_\_\_\_ [ ] am [ ] pm

10.1 [ ] Check this box if the use of identical flame effects and device setups will occur on multiple consecutive days (sequential dates). List all the dates and times on a separate page and attach it to this application. (See application instructs for like 10 and 10.1)

11. A walk-through and representative demonstration of the flame effects may be required by the SFMO. The demonstration will be available to commence on (date) \_\_\_\_\_ / \_\_\_\_\_ / 20 \_\_\_\_\_ at (time) \_\_\_\_\_ : \_\_\_\_\_ [ ] am [ ] pm prior to the first rehearsal, production and/or performance at which the flame effects will be used. The demonstration will be completed and followed with sufficient time afterwards to allow resetting of the flame effects before the arrival of any audience. (Sec 5.4.2)

**IMPORTANT:** If the demonstration is not ready or is not performed in a timely manner, the applicant and venue manager risk a delay or denial for the use of flame effects because sufficient time was not provided for demonstration and reset prior to audience arrival.

12. Of the following, the classification of the flame effects systems is: (check all that may apply)

- [ ] **Group I** An attended, manually controlled flame effect.
- [ ] **Group II** An individual or group flame effect designed for unattended operation that is temporarily or permanently installed outside any structure.
- [ ] **Group III** An attended, temporarily installed flame effect for a specific production with limited operation and fixed time for removal.
- [ ] **Group IV** A large individual or group flame effect that is permanently installed inside or outside any structure and is designed for unattended operations without a main show supervisory control system.
- [ ] **Group V** A large individual or group flame effect that is temporarily or permanently installed inside or outside any structure and is designed for intermittent or continuous operation under the supervision of a main show control system but without full-time supervision by a technician.
- [ ] **Group VI** A large individual or group flame effect that is temporarily or permanently installed inside or outside any structure and is designed for intermittent operation under the supervision of a main show control system and a technical director, with cast members in close proximity to the effect at the time of operation.
- [ ] **Group VIII** An individual flame effect that can be temporarily or permanently installed inside or outside any structure that, due to its unique operating requirements, does not fit into any other classification.

(Note: "Listed" Group 2 effects are not included per NFPA 160 Section 1.3.3(7)[d].)

**13. Operator, Assistants and Flame Effects Specifications**

<b>13.1.</b> Name of the flame effect operator who is not less than 21 years of age (8.4) and will be in responsible charge of the effect and its operation.	
Name: (Print – Last, First, MI)	Age:

<b>13.2</b> Name of assistants to the flame effect operator	
Names: (Print – Last, First, MI)	Ages:

<b>13.3</b> List the number and type of flame effects: (Attach additional pages as needed) (5.1.3.1)	

- 14. Design Plan Base on Location.** The operator shall have the flame effects operating instruction(s) readily available at all times the flame effect devices are in place. (Section 5.3.2) A design plan for flame effects based on location, indoor or outdoor, is to be included as part of this application and is to be readily available at the location notes on Lines 9.1 and 9.2 (5.2.2.1, 5.3.1.1 and 6.1.2) As the items may apply, the design plan is to include the following:

**Design Plan Specifications (Basic)**

- 14.1.** [ ] Outdoor and Indoors. A site plan showing the following: (5.3.1.2[5] and B.1.1.1)
- 14.1.1. A narrative description of the flame effect.
  - 14.1.2. The location of flame effect devices to be fired and their control and control sequences. (6.2.1)
  - 14.1.3. The area affected by the flame effect device. (5.3.1.2[5(c)])
  - 14.1.4. Documentation for combustible materials used for construction of the flame effects have been rendered flame retardant. (5.3.1.2[7])
  - 14.1.5. The location of audience.
  - 14.1.6. The fuels used and their estimated consumption.
  - 14.1.7. Flammable materials piping.
  - 14.1.8. Storage and holding areas and capacities
  - 14.1.9. Means of egress.
  - 14.1.10. Emergency operations and supplemental fire protection features. (7.9)
  - 14.1.11. A current material safety data sheet for the fuel consumed in the flame effect,
- 14.2** [ ] Outdoors (B.1.1.1)
- 14.2.1. Weather, with safety provisions provided to halt the effect where safe operation of the flame effect can be influenced by hazardous weather conditions.
  - 14.2.2. Security against intrusion
  - 14.2.3. Egress
  - 14.2.4. Clearance to combustibles.
  - 14.2.5. Fire protection
- 14.3** [ ] Indoors (B.1.1.2)
- 14.3.1. Where used to exhaust the products of combustion of a flame effect, ventilation with means provided to prevent fuel flow in the event the source of ventilation air is interrupted.
  - 14.3.2. Clearance to combustibles.
  - 14.3.3. Egress
  - 14.3.4. Environment
  - 14.3.5. Fire protection
  - 14.3.6. Life safety provisions
  - 14.3.7. Security against intrusion
- 14.4.** [ ] Flame Effect Operation Participation. (B.1.2)
- 14.4.1. Control by the operator or performer during start-up, operation and shutdown.
  - 14.4.2. Operator in attendance during effect.
  - 14.4.3 Training of operators
- 14.5.** [ ] For Unattended Effects. (B.1.2.2)
- 14.5.1. Design for unattended operation.
  - 14.5.2. Supervision of automatic systems.
  - 14.5.3. Audience proximity/audience intrusion prevention.
  - 14.5.4. Control type – automatic
    - Show events cued by a control system (mechanical or electrical).
    - Different levels of automatic operation.
    - Requirements to be developed for flame effect control systems
  - 14.5.5. Manual control type – operator or technician supervision of the flame effect device performance in open view.
  - 14.5.6. Control location
  - 14.5.7. Local control
    - A flame effect controlled by an operator who has clear view of the flame effect area.
    - Remote control
  - 14.5.8. Fuel supply and fuel additives.
    - Portable
    - Fixed
- 14.6** [ ] Certification that costumes, set, scenery and rigging materials are inherently flame-retardant or have been treated to achieve flame retardancy when expose to flame effects. (See Line 14.1.3)

Special Instructions

Submit one (1) copy of this application complete with all attachments to the SFMO. The SFMO must be in receipt of the complete application at the address listed below not less than 15 days prior to the event.

After initial review, a provisional permit will be issued. After a complete and satisfactory site inspection at the location and date indicated on lines 10 and/or 11, the SFMO representative in attendance will convert the provisional permit to a finalized permit.

15. By my signature below, I attest the information provided is complete and accurate. I acknowledge and agree to comply with all applicable requirements of the Idaho Fire Code (IFC) and the referenced NFPA 160-11 standard governing the use of flame effects before an audience even those not specifically covered or expressed on this application.

I also acknowledge that if a permit is issued it shall be valid only at the location listed on the application for the specific date(s) and time(s) for which it is issued and will expire at 12:01 a.m. on the date(s) provided on Lines 10 and/or 10.1 whichever is later. (5.1.3.2)

If approved to proceed, I acknowledge that such approval is conditional upon continued compliance with the IFC. I further acknowledge and understand that any IFC violations identified after the provisional permit has been issued may result in denial of final permit issuance or immediate suspension or revocation of a permit.

16. Signature of person whose name is printed on Line 7:	Date:
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**IMPORTANT:**

**THIS APPLICATION HAS 5 PAGES PLUS ALL THE PAGES OF ANY ATTACHMENT(S). BE SURE TO COMPLETE THE NEXT PAGE 6) OF THIS APPLICATION. (THE 3 PAGES OF APPLICATION INSTRUCTIONS DO NOT NEED TO BE MAILED TO THE SFMO)**

The application and attachment(s) are to be delivered to:

**Idaho State Fire Marshal's Office  
700 W. State St., 3<sup>rd</sup> Floor  
Boise, ID 83720-0043**



IDAHO STATE FIRE MARSHAL'S OFFICE
PERMIT TO OPERATE FLAME EFFECTS INSIDE STATE-OWNED BUILDINGS AND OUTSIDE OF STATE-OWNED PROPERTY BEFORE PROXIMATE AUDIENCE

160

(INVALID IF NOT COMPLETED BY SFMO.)

Upon SFMO signature(s), a copy of this page will return to the applicant as a permit.

APPLICANT: The following information fields may be repeated from earlier pages and are to be completed by the applicant.

Form with fields for Applicant Name/Company, Applicant phone number, Applicant Email address, Signature of applicant's representative, and Date.

Effect location:

The use of flame effects will occur at: (Provide location by listing address, street intersections, name of complex or facility, etc. Include name of city or county)

Blank lines for providing effect location details.

Effect Date:

The use of flame effects will occur on:

(Date): \_\_\_\_/\_\_\_\_/20\_\_\_\_ beginning at (time) \_\_\_\_:\_\_\_\_ [ ]am [ ]pm and end at

(time): \_\_\_\_:\_\_\_\_ [ ]am [ ]pm

[ ] Check here if flame effects will occur on consecutive (sequential dates, times and/or in concert with pyrotechnics.

PROVISIONAL PERMIT

To be completed by SFMO personnel only

Form for Provisional Permit with fields for Preliminary application review by, SFMO representative's signature, Preliminary review date, and comments.

FINALIZED PERMIT

To be completed by SFMO personnel only

Form for Finalized Permit with fields for Final review and inspected by, SFMO representative's signature, Final review date, and comments.