

Pyrotechnic, Firework and Flame Effect Displays and Productions Permit Submittal Guide



This guide is to assist in the Operational permitting process for the South Salt Lake Fire Department. A permit is required for the use and handling of pyrotechnic material, open flame effects, fire performances per section 105.5.42 of the 2021 *International Fire Code*.

GENERAL INFORMATION:

This information sheet provides the basic requirements for the use of Outdoor and Indoor pyrotechnic (Firework) displays, proximate audience displays, flame effects and pyrotechnic special effects. Indoor pyrotechnic displays shall only be permitted in venues provided with automatic sprinklers throughout.

APPLICABLE CODES:

- 2021 International Fire Code Chapter 56 Section 5608
- NFPA 160 2021 Edition, *Standard for the Use of Pyrotechnics Before a Proximate Audience*.
- NFPA 1123 2018 Edition, *Code for Fireworks Display*.
- NFPA 1126 2021 Edition, *Standard for the Use of Flame Effects Before an Audience*.

DEFINITIONS:

Fireworks. Any composition or device for the purpose of producing a visible or an audible effect for entertainment purposes by combustion, deflagration or detonation that meets the definition of 1.4G fireworks or 1.3G fireworks as set forth herein.

Fireworks 1.3G (Formally class B, Special Fireworks) Large Fireworks devices which are *explosive materials* intended for use in fireworks displays and designed to produce audible or visible effects by combustion, deflagration or detonation.

Fireworks 1.4G (Formally class C Common Fireworks) Small fireworks devices containing restricted amounts of pyrotechnic composition designed primarily to produce visible or audible effects by combustion.

Fireworks Display A presentation of fireworks for a public or private gathering.

Flame Effects The combustion of flammable solids, liquids, or gases to produce thermal, physical, visual or audible effects before an audience.

Fallout Area The fallout area is the area over which the aerial shells are fired. The shells burst over the area, and unsafe and malfunctioning aerial shells fall into this area. The fallout area is the location where a typical aerial shell dud falls to the ground depending on the wind and angle of mortar placement.

Pyrotechnics Special Effect. Controlled exothermic chemical reactions timed to create the effects of heat, hot gas, sound, and dispersion of aerosols, emission of visible light or a combination of such effects to achieve the maximum effect from the least volume of pyrotechnic composition.

Proximate Audience: An audience closer to pyrotechnic devices than permitted by NFPA 1123.

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SUBMITTAL:

The following will need to be submitted **No Later Than 14 days prior to the event**, along with a Permit Application for review by the Fire Marshal's Office:

- 1) A copy of the Approved South Salt Lake City Special Event Permit.
- 2) Completed Hazardous Materials Permit Application.
 - a) Including an Inventory of all materials to be fired.
- 3) Detailed Site Layout will provide the following as applicable: (list is not all inconclusive)
 - a) Outdoor:
 - i. Audience location
 - ii. Fall Out Zone
 - iii. Firing location (Hot Zone)
 - iv. Operator location
 - v. Site plan must include measurements
 - vi. Combustible materials
 - b) Indoor:
 - i. Stages
 - ii. Platforms
 - iii. Truss heights
 - iv. Ceiling heights
 - v. Backdrops
 - vi. Signs
 - vii. Lighting
 - viii. Ceilings
 - ix. Curtains
 - x. Operators
 - xi. Monitors
 - xii. Storage
 - xiii. Magazines
 - xiv. Mixing areas
 - xv. Fallout area
 - xvi. Fallout radius
 - xvii. Audience areas
 - xviii. Combustible materials
 - xix. Drapes on walls or hung from ceiling for the show
 - xx. Device locations
- 4) Copies of ALL licenses required by Utah Administrative Rules R710-2 and the Utah State Fire Marshal's Office.
- 5) Copy of the Certificate of Insurance.
 - a) Insured amount of not less than \$3,000,000 per occurrence if closer to people or property or adjacent to high-risk area the City recommends \$5,000,000 per occurrence.
 - b) Naming City of South Salt Lake, it's agents, employees and volunteers as additionally insured.
 - c) Certificate Holder – Entity, ,Business or Person hosting the event.

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HOW TO SUBMIT: Documents are to be submitted electronically. Consolidate your pdfs apply using the following link: <https://forms.gle/AvH4ygWcb5jUzzgM8>. For other application options please contact our office by calling 801-483-6043 (option 3).

COMMUNICATION: Once your plans are submitted and approved you will receive a permit number. Plan status can be checked by emailing firepermits@sslc.gov or by calling 801-483-6043 (option 3).

CONTACT PERSON ON APPLICATION: Ensure that the correct contact person is provided on the application. This will be the correspondent who receives all the email updates and correction comments once the plan is submitted.

ADDITIONAL INFORMATION NEEDED: If you receive a Plans Review Comments letter, the Fire Marshal's Office has reviewed your submittal and there is additional information needed for the review to proceed. It will be placed back in the Review Queue as soon as the additional information is received.

PLANS APPROVED: Once plans are approved, and fees are verified, an email will be sent to the contact person. Inspections are scheduled after any outstanding fees are paid.

PLANS-CORRECTIONS REQUESTED: Once a Plans Review Comments letter is issued an email with the letter will be sent to the contact person along with the redlined plans.

FIRE PLAN REVIEW STAFF CONTACT LINK: Emailing firepermits@sslc.gov or by calling 801-483-6043 (option 3).

RE-SUBMITTALS, REVISIONS, AND RENEWALS:

1. **CORRECTIONS:** Corrected plans are to be submitted using firepermits@sslc.gov. A corrections letter describing the changes shall be provided with your revised submittal. **Please Note:** The redlined plans are already on file and do not need to be submitted again.
2. **AS BUILDS/REVISIONS:** If plans are revised after approval; revisions will need to be submitted and approved prior to **FINAL** acceptance. As Builds/Revisions are to be submitted the same manner as the original submittal. The following items should be included with a revision.
 - All changes should be **clouded and keyed** to Plan Revision# (Permit Number).
 - A revision letter shall also be provided indicating what changes were made and where they occur.
 - A copy of the original approved plans should be included.

****Any changes to the submitted/Approved permit including quantities, sizes, locations, technician on site, will void the permit unless prior written approval is granted by the Fire Code Official.****

CANCELLATIONS/REVOCATIONS:

Permit applicants and the applicant's agents and employees shall carry out the proposed activity in compliance with this guideline, NFPA 1126 2021 edition, NFPA 160 2021 Edition, NFPA 1123 2018 Edition, Chapter 56 of the

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IFC and other applicable laws or regulations, whether specified or not, and in complete accordance with approved plans and specifications. The revocation of the permit and cancellation of the display shall occur when the following has been determined:

- The permit has been used by a person other than the person to whom the permit was issued.
- The permit has been used for a location other than that for which it was issued.
- Any of the conditions or limitations set forth in the permit has been violated.
- The permittee failed, refused or neglected to comply with orders or notices duly served in accordance with the provisions of this governing code within the time provided.
- A pyrotechnics display may be postponed or cancelled due to excess smoke within the confines of the room or any other unsafe condition.
- Wind or other weather conditions indicate that, in the opinion of, outdoor close proximity displays are hazardous to spectators.

INSPECTION OPTIONS/INSPECTION SCHEDULING:

1. Inspections can be scheduled by emailing firepermits@sslc.gov or by calling 801-483-6043 (option 3).
2. Inspections are to be scheduled by the Company or Operator.
3. Inspections must be scheduled at least 72 hours in advance.
4. The Job Card, any Conditions of Approval and Approved/Stamped Plans or Permit must be on site at all times and available for Inspection. If documents are not on site, there will be no Inspection.