

Pyrotechnics Program

Responsible Administrator: Campus Fire Marshal
Revised: October 2023

Summary: This section outlines the policy and procedures related to the Pyrotechnics Program that is administered through the Environmental Health and Safety (EHS) Department.

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1. Program Description

The Pyrotechnics Program covers fire and life safety requirements for events that occur on the University of California, Irvine campus. The Fire Safety Division approves and establishes conditions to ensure public safety at Pyrotechnic/Firework events including, but not limited to: concerts, sporting events, production filming, and festivals.

2. Scope

This program focuses on inspection, plan review and approval of pyrotechnic/firework events in order to promote fire and life safety. This program is intended to ensure reasonable and consistent protection for persons and property during campus events.

3. Definitions

- **Campus Fire Marshal (CFM)** – The CFM is a campus representative who has the responsibility and authority to enforce fire and life-safety requirements in all UC Irvine facilities.
- **Designated Campus Fire Marshal (DCFM)** – At the UC Irvine campus, the State Fire Marshal's office has delegated the Designated Campus Fire Marshal as the Authority Having Jurisdiction for plan review and construction inspections. The DCFM also has the responsibility and authority to enforce State Fire Marshal regulations and requirements on campus.
- **Exit** – The portion of a means of egress that is separated from all other spaces of the building to provide a protected way of travel to the exit discharge.
- **Fireworks** – Any device containing chemical elements and compounds capable of burning independently of the oxygen of the atmosphere, and producing audible, visual, mechanical, or thermal effects which are useful as pyrotechnic devices or for entertainment.
- **Flame Retardant** – An approved chemical, chemical compound, or mixture which, when applied in an approved manner (applied by a certified technician licensed by the California State Fire

Marshal's Office) to any material, will raise the ignition point of the material; rendering the material incapable of supporting combustion.

- **Pyrotechnics** – Any combination of materials, including pyrotechnic composition, which, by an ignition source, produce an audible, visual, mechanical or thermal effect designed and intended to be useful for industrial, agricultural, personal safety, or educational purposes. The term “pyrotechnic device” includes, but is not limited to, agricultural and wildlife fireworks, model rockets, exempt fireworks, emergency signaling devices, and special effects.

4. Responsibilities

- The Fire Safety Division is designated as the Authority Having Jurisdiction (AHJ) in the interpretation and application of fire protection codes and regulations. The Fire Safety Division is authorized to suspend unsafe operations or activities and has the responsibility for ensuring compliance with all fire protection requirements including, but not limited to:
 - Review and approval of all campus special events.
 - Inspections of special events facilities prior to use or occupancy.
 - Contact UCIPD Dispatch to determine wind speed and direction prior to event.
 - Issuance of “stop orders” when event protocol is done contrary to the provisions of the building or fire protection codes, standards, or regulations.
- The University of California Irvine sponsoring event coordinator is responsible for the following:
 - Submission of completed [Special Events Application](#) and set of event site plans to the Fire Safety Division for approval two weeks prior to the event. The plans should include information on the type of event, amount of people attending, the layout of the space, and any additional information required by the Fire Safety Division.
 - Contacting the Fire Safety Division prior to the event for a final inspection of the event space and layout.
 - Implementing all recommended changes that the Fire Safety Division suggests to ensure compliance with the fire and building codes.
 - Having general knowledge of this program to ensure that no fire and life safety conditions arise, or actions taken that could lead to loss of life or property during a campus sponsored special event.

5. Program Components

- Pyrotechnic displays must be approved by the Fire Safety Division as well as the Office of the State Fire Marshal (OSFM). The event coordinator must submit a written proposal to the Fire Safety Division and submit a [Special Events Application](#) as far in advance of the event as possible, but at least three weeks prior to allow adequate plan review time. The proposal must include the following:
 - Type of display.
 - Complete manifest of the materials that will be discharged.
 - Location site plan of fireworks display site (i.e., audience seating, restricted areas, landing zone, etc.).
 - Current pyrotechnic license by a recognized agency must be provided.
 - Proof of insurance.
 - Method of Transportation and Storage. Including transportation route while on campus.
 - The individual handling the pyrotechnics must be licensed by the State Fire Marshal for the material being used. The individual is responsible for the proper security, storage, handling, transportation, uses, and disposal of the materials.
 - The event coordinator must provide a Fire Watch (as determined by the Fire Safety Division) for the length of time that the material is handled.

- Personal Protective Equipment PPE (i.e., helmet, gloves, coat, ear and eye protection) must be worn during pyrotechnic event.
- Fire Safety Division's Fire Watch Program: [Fire Watch Program](#)
- Further detailed requirements will be made after the plan review process.

6. Reporting Requirements

- Reporting of Fires or Explosions:
 - California Health & Safety Code, Section 13107 ([health and safety code section 13107](#)) requires that all fires be reported to the SFM Office. Therefore, **ALL** fires or explosions within UC Irvine's properties or leased properties must be reported to the Fire Safety Division **IMMEDIATELY**.

7. References

Title 19, Part 9, California Code of Regulations, California Fire Code, Section 308, General Precautions Against Fire, Open Flames

Title 19, Part 9, California Code of Regulations, California Fire Code, Section 310, General Precautions Against Fire, Smoking

Title 19, Part 9, California Code of Regulations, California Fire Code, Section 503, Fire Service Features, Fire Apparatus Access Roads

California Health and Safety Code, Fires & Protection, Fire Protection, State Fire Marshal, General, Section 13107

Appendices:

[State Fire Marshal Public Fireworks Display Permit Application](#)

[Special Events Application](#)



STATE OF CALIFORNIA – NATURAL RESOURCES AGENCY
 DEPARTMENT OF FORESTRY AND FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
 FIRE AND LIFE SAFETY DIVISION



PUBLIC FIREWORKS DISPLAY PERMIT APPLICATION

Please print or Type, Incomplete applications will be returned.

Applications shall be submitted 10 days prior to the display

I/we hereby make application for a permit to conduct a display of fireworks as defined by the California State Health and Safety Code, and agree to comply in every particular with the law pertaining thereto as set forth in Part 2 of division II of the Health and Safety Code, and the rules and Regulations adopted by the State Fire Marshal	
SPONSORING ORGANIZATION INFORMATION	
1. Name: University of California Irvine, School of Medicine, Irvine, CA 92697	
2. Address:	
PUBLIC DISPLAY INFORMATION	
3. Co. Name/ Address: Phone Number/Fax:	4. Public Display License :
EVENT INFORMATION	
5. Date of Display:	6. Times: From: To:
7. Exact location of display (see Note 1):	
PYROTECHNIC OPERATOR INFORMATION	
8. Pyrotechnic Operator supervising discharge of fireworks: Name:	9. State License Number: Contact Phone Number:
10. Pyrotechnic Operator Assistants: Name:	11. Name:
12. Name:	13. Name:
PRODUCT INFORMATION	
14. Class of fireworks to be displayed: (see Note 2):	15. Number of items- (specify if single or multiple breaks):
16. Number of set pieces:	17. Other items to be displayed (describe):
18. Name of wholesaler supplying all items in display:	19. Wholesaler's state license number:
20. Name of set pieces:	21. Importer/Exporter's state license number:
22. Location of fireworks storage PRIOR to display: Street Address:	23. City: State:
24. Departure date and time from storage location:	25. Route(s) used:
26. Location of fireworks storage DURING display:	27. City:
28. Describe provisions for return of unused/unfired product after Display:	29. Location of storage of unused/unfired product if applicable:

PUBLIC FIREWORKS DISPLAY PERMIT APPLICATION

INSURANCE INFORMATION	
30. Policy number of Employees Compensation Insurance (see Note 3) Attach copy to permit:	31. Policy number of Public Liability Insurance (attach copy:
In affirming my signature heron, I realize that as the permittee, I am responsible for compliance with all provisions under which this permit may be granted, including the filing required by Title 19, California Code of Regulations. I future affirm that I am an unauthorized agent for display license listed heron, as required by California Health and Safety Code, Section 12583.	
APPLICATION SIGNATURE	DATE:

Use the space below for additional information (attach additional sheet(s) if necessary)

Notes:

1. Provide dimensions plot plan diagramming the area, which the display is to be held. Plot plan shall include the placements of devices, location from where operator will discharge fireworks, location of any performers, locations of the audience and the lines behind which the audience will be restrained. Additionally, show the location of highways, overhead obstructions, nearby trees, telephone lines and other lines of communication. When necessary, a sectional drawing shall be provided.
2. Include complete description of all fireworks to be displayed, specifying is single or a multiple breaks shells. If set pieces are used, they shall be described in detail. Provide complete description of additional items to be displayed.
3. Insurance Required: As original Certificate of Insurance must be filed with this application, which complies with the following requirements (refer to Section 993, Title 19 and 12611, California Health & Safety Code):
 - a. The deductible (if any) may not exceed fifteen thousand dollars (\$15,000.00). Limited of bodily injury and property damage may be not less than one million (\$1,000,000) combined single limits for each occurrence annually.
 - b. A statement must be included that the insurer will not cancel the insured's coverage without 15 days prior to the State Fire Marshal/ UC Designated Campus Fire Marshal (DCFM).
 - c. The State of California and The University of California Regents shall not be responsible for any premiums or assessments involving the policy.
 - d. The licensed pyrotechnic operator supervising/discharging the display and the State of California and The University of California Regents, its officers, agents, employees, and servants must be included as additional insured's.

OFFICE USE ONLY BELOW LINE

Permit for Public Display of Fireworks to be held: (DATE):	Is Hereby: <div style="display: flex; justify-content: space-around; width: 100%;"> Granted Denied </div>
Name:	Title: Designated Campus Fire Marshal
Signature:	Date:

OFFICE USE ONLY BELOW LINE

Special Events Application Fire Safety

To determine conformance with the Fire and Life Safety Standards of Title 19 and 24, California Code of Regulations, please complete this application and send it to the Fire Safety Division for plan review. Along with the application, please submit a detailed site plan of the area where the event is intended to take place.

Submittal Requirements

In order to ensure adequate time to process plans, the following must be provided to the Fire Safety Division two weeks prior to the event.

1. An accurate scale or dimensioned site diagram indicating (where applicable):
 - A. Specific areas for parking of vehicles shall be detailed on the site plan.
 - B. Dimensions for all tents, canopies, and membrane structures.
 - C. Location of event to existing buildings or structures.
 - D. A statement which identifies the intended use of all structures.
 - E. The sidewalls, drops, top, floor coverings, and decorative materials shall be composed of flame-resistant material or treated with a flame retardant material in an approved manner.
 - F. A statement which indicates the proposed use of any heating and/or cooking equipment or open flame devices in conjunction with the event.
 - G. Locations of any additional emergency equipment such as those lines or emergency power supplies if required.

2. A floor plan shall be submitted and the following shall be shown (where applicable):
 - A. Proposed seating arrangements.
 - B. Locations and dimensions of tables.
 - C. Locations and type of all other interior obstacles.
 - D. Exit locations; dimensions required.
 - E. Location and type of exit signs.
 - F. Locations of all emergency exit pathways shall be maintained at all times.
 - G. Locations of NO SMOKING signs.
 - H. Location of portable fire extinguishers.

3. Additional submittal requirements for fireworks/pyrotechnics displays are:
 - A. Fireworks display site (i.e. audience seating, restricted areas, landing zone, etc.).
 - B. Complete manifest of size and number of fireworks to be discharged
 - C. Transportation route that will be taken on campus.
 - D. Proof of insurance.
 - E. Current pyrotechnics license of an approved California agency.

Inspection Requirements

A site inspection shall be scheduled a minimum of 2 days prior to the date of the event. An inspector from the Fire Safety Division will verify that all recommendations from the plan review process were made. The inspector will also verify that all Fire and Life Safety requirements are in compliance with all Fire and Life Safety Standards of Title 19 and 24, California Code of Regulations.



Special Events Application Fire Safety (Page 1 of 2)



Check all boxes that apply to the event. Refer to the **Special Events Program** ([hyperlink](#)) to see if your event requires approval from the Fire Safety Division.

Outdoor Assembly Tent/Canopy Open Flames TV/Movie Filming

Event Coordinator: _____

Coordinator Contact Number: _____

Contact E-mail _____

Department/Organization: _____

Date(s) of Event _____

Time of Event: Start: _____ End: _____

Location: _____

Number of Attendance: _____

Event Description: _____

Zot mail (2725), fax [(949) 824-8539] or email {firesafety@uci.edu} a complete application to the Fire Safety Division for review and approval.

Reviewed By:	Approval Yes / No
Signature:	Date:

This application is to be used for the above date(s) and activity only. The area must be restored to its original condition following the event.



Special Events Application

Fire Safety

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Provide a detailed sketch of the event site plan in the area below or attach a site plan to the application. Include all of the required fire/life safety items discussed in the previous sections in this sketch. Please indicate the exits and path of travel to the exits, tables and/or chair rows, stages and/or dance floor, the location of fire extinguishers and a detail description of the event.

A large, empty rectangular box with a black border, intended for the applicant to provide a detailed sketch of the event site plan. The box is currently blank.