

Film Production Pyrotechnics Safety Checklist

Site / Project	_____	Address	_____
Inspector name	_____	Company	_____
Date	_____	Time	_____

Documentation aid only. Adapt this resource to the site, manufacturer instructions, and applicable local requirements. It does not replace a competent person, professional judgment, legal advice, or a required statutory form.

Inspection checklist

Pre-Take Safety Meeting & Communication

☐	Was a pre-take safety briefing conducted with ALL personnel involved, including background actors, outlining potential hazards and emergency procedures?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are emergency stop signals and evacuation routes clearly communicated and understood by all crew members?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are the qualifications and certifications of the pyrotechnics team (Pyrotechnician in Charge, assistants) verified and documented?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Has the SPFX script and storyboard been thoroughly reviewed by the Pyrotechnician in Charge and Stunt Coordinator to identify all potential hazards?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a reliable communication system (e.g., radios) in place and tested for clear communication between the Pyrotechnician in Charge, First AD, and Stunt Coordinator?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Have weather conditions (wind, rain) been assessed and their potential impact on the pyrotechnic effects evaluated?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Has a safety bulletin outlining the specific hazards and safety precautions for the pyrotechnic effects been distributed to all crew members?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is emergency contact information (local fire department, hospital) readily available and posted in a visible location?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐ Is a system in place to account for all personnel before and after each pyrotechnic effect? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Is there a clearly defined 'Hold Fire' protocol understood by all crew members, allowing anyone to immediately stop the sequence if a safety concern arises? ☐ Pass ☐ Fail ☐ N/A Notes: _____

Perimeter Security & Explosive Zone Control

☐ Is a clearly defined and marked perimeter established around the pyrotechnic area, with appropriate signage indicating 'No Entry'? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Is the perimeter actively monitored by security personnel to prevent unauthorized access? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Has the blast radius for each pyrotechnic effect been calculated and the perimeter established accordingly, considering potential debris and concussion? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are measures in place to prevent public access to the pyrotechnic area, including crowd control and barriers? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are all pyrotechnic materials and equipment stored securely in a locked and labeled container, away from potential ignition sources? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are all unauthorized personnel kept outside the established perimeter during pyrotechnic operations? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Is vehicle access to the pyrotechnic area restricted and controlled to prevent accidental ignition or obstruction of emergency routes? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are fire lanes clear and unobstructed to allow for rapid access by emergency vehicles? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are all potential ignition sources (e.g., open flames, smoking) prohibited within the perimeter? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ For squib effects, is the placement verified to ensure no direct contact with skin and appropriate padding is used? ☐ Pass ☐ Fail ☐ N/A Notes: _____

Fire Suppression & Emergency Response

☐ Are appropriate fire extinguishers (Type ABC and/or appropriate for the specific pyrotechnic materials) readily available and accessible within the perimeter? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐ Are fire extinguishers inspected monthly and tagged to indicate they are fully charged and in good working order? ☐ Pass ☐ Fail ☐ N/A Notes: _____

☐	Are trained fire watch personnel equipped with fire extinguishers and communication devices stationed within the perimeter during and after pyrotechnic effects?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a readily available water source (e.g., fire hydrant, water truck) with sufficient pressure and flow rate accessible for fire suppression?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are emergency medical services (EMS) on standby or readily available to respond to any injuries?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a fully stocked first-aid kit readily available and accessible within the perimeter?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are burn treatment supplies (e.g., sterile burn dressings, burn gel) included in the first-aid kit?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a written emergency evacuation plan in place and communicated to all crew members, including designated assembly points?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are spill control procedures in place for handling and cleaning up any spilled pyrotechnic materials?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is a thorough inspection conducted after each pyrotechnic effect to ensure all materials have been consumed or properly disposed of and no smoldering embers remain?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Personal Protective Equipment (PPE)

☐	Is appropriate hearing protection (e.g., earplugs or earmuffs with a Noise Reduction Rating (NRR) of at least 29 dB) provided to and worn by all personnel within the perimeter?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate eye protection (e.g., safety glasses or goggles) provided to and worn by all personnel within the perimeter?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are fire-resistant clothing (e.g., Nomex) provided to and worn by the pyrotechnics team and stunt performers in close proximity to the effects?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are appropriate gloves (e.g., leather or fire-resistant) provided to and worn by personnel handling pyrotechnic materials?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is appropriate foot protection (e.g., steel-toed boots) required for all personnel within the perimeter?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Are face shields provided to and worn by personnel in close proximity to potential flying debris?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

☐	Is respiratory protection (e.g., dust masks or respirators) provided to and worn by personnel if exposed to potentially harmful fumes or dust?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is all PPE inspected before each use to ensure it is in good condition and properly fitted?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Have all personnel been trained on the proper use, maintenance, and limitations of their PPE?	☐ Pass	☐ Fail	☐ N/A	Notes: _____
☐	Is PPE use consistently enforced within the perimeter?	☐ Pass	☐ Fail	☐ N/A	Notes: _____

Findings

#	Item	Location	Severity	Action required
1				
2				
3				
4				
5				
6				
7				
8				

Signature

Inspector signature _____

Name _____

Date _____