

South Carolina Board of Pyrotechnic Safety Fireworks Wholesale/Storage Inspection Checklist

General Requirements for the Storage of Consumer Fireworks

- 6.2.4 Is the fireworks storage facility not used for residential occupancies and not located in a residential area?

Construction

- 6.4.2 If newly licensed as of 2017, is the fireworks storage facility less than 8000 square feet, or constructed of non-combustible or limited combustible materials in accordance with 6.4.2(2)?
- 6.4.3.1 If the consumer fireworks storage area is located in a building with other tenants, does it comply with 6.4.3, having 2 hour fire rated barriers to separate it from other tenants?
- 6.4.4 Is the interior wall and ceiling finish Class A, Class B, or Class C in accordance with NFPA 101, Life Safety Code?

Fire Protection

- 6.5.1 If newly licensed as of 2017, is the fireworks storage building provided with 2 hour fire separation to provide no area larger than 12,000 ft² or does it have an automatic sprinkler system installed in accordance with NFPA 13?
- 6.5.1 When a sprinkler system is provided, is the automatic sprinkler system installed, inspected, tested, and maintained by a SC licensed fire sprinkler company and documentation of such provided per NFPA 13?
- 6.5.1 When a sprinkler system is provided, are deficiencies noted on the sprinkler system inspection report corrected?
- 6.5.1.2 If newly licensed as of 2017, does the fireworks storage building have a waterflow alarm device arranged to activate audible and visible alarms throughout the facility in accordance with NFPA 72, National Fire Alarm Code?
- 6.5.2.1 Are the portable fire extinguishers installed and maintained in accordance with NFPA 10?
- 6.5.2.1 Are fire extinguishers inspected by the owner/operator monthly as required by NFPA 10?
- 6.5.2.1 Are fire extinguishers serviced and maintained annually by a South Carolina licensed company as required by NFPA 10?
- 6.5.2.2 Are there at least two fire extinguishers with a minimum rating of 2A?
- 6.5.2.3 Is at least one of the fire extinguishers the pressurized water type?
- 6.5.2.4 Is at least one of the fire extinguishers of the multipurpose dry chemical type having a minimum rating of 4A?
- 6.5.2.5 Is the travel distance from any point in the facility to a fire extinguisher not more than 75 feet?

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- 6.5.3 If newly licensed as of 2017, and if the area of the fireworks storage facility is greater than 50,000 ft², are smoke and heat vents designed and installed in accordance with NFPA 204 provided.

Site Requirements for Fire Department Access

- 6.6 If newly licensed as of 2017, is there a fire apparatus access road within 150 ft of all parts of the exterior of the building?
- 6.6 Are existing fire apparatus access roads maintained as originally designed and installed?

Separation Distances

- 6.7.1 If newly licensed as of 2017, are consumer fireworks storage or work buildings at distribution facilities separated from adjacent permanent buildings and structures in accordance with Table 6.7.1?
- 6.7.3.1 If newly licensed as of 2017, are consumer fireworks storage or work buildings located more than 50 ft (15.2 m) of the following:
- (1) Motor vehicle fuel–dispensing station dispensers
 - (2) Retail propane–dispensing station dispensers
 - (3) Compressed natural gas dispensing facilities
 - (4) Aboveground storage tanks for flammable or combustible liquid, flammable gas, or flammable liquefied gas
- 6.7.3.2 If newly licensed as of 2017, is the consumer fireworks storage or work buildings located more than 300 ft (91.2 m) of any aboveground bulk storage or bulk dispensing area for the following:
- (1) Flammable or combustible liquid
 - (2) Flammable gas
 - (3) Flammable liquefied gas

Means of Egress

- 6.8.1 Is the means of egress in the permanent consumer fireworks storage or work building provided and maintained in accordance with the applicable requirements of NFPA 101, Life Safety Code? [Exception: Trailers, semitrailers, and metal shipping containers that are not normally occupied shall not be required to comply with NFPA 101, Life Safety Code.]
- 6.8.3.1 Do exterior exit doors open outward?
- 6.8.3.2 Are doors in the means of egress at least 36 in. (910 mm) wide and kept free of obstructions?
- 6.8.3.3 Are exit doors equipped with panic hardware (except when storage is located in trailers, semitrailers, and metal shipping containers)?

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- 6.8.3.4 Are Exit doors unlocked when the building is occupied?
- 6.8.4.1 Are aisles at least 36 in. (910 mm) wide and kept free of obstructions?
- 6.8.4.2 Are there no dead end aisles exceeding 50 ft (15.2 m) in length?
- 6.8.5 Are exits provided for consumer fireworks storage or work buildings or areas located such that the maximum egress travel distance as measured from the remotest point to an exit along the natural and unobstructed path of egress travel does not exceed 200 ft (60.8 m)?

Exit Signs and Emergency Lighting

- 6.9.1.1 Are exits in consumer fireworks storage or work buildings or areas marked by an approved exit sign in accordance with NFPA 101, Life Safety Code?
- 6.9.1.2 Are exit signs self-luminous or internally or externally illuminated?
- 6.9.2.1 Is the means of egress, including the exit discharge, illuminated whenever the facility is occupied in accordance with NFPA 101, Life Safety Code?
- 6.9.2.2 Is emergency lighting provided for consumer fireworks storage or work buildings or areas complying with NFPA 101, Life Safety Code?

Electrical Requirements

- 6.10 Do electrical fixtures and wiring comply with NFPA 70, National Electrical Code?

Operations

- 6.11.3 Are exterior doors and windows kept locked when the building is not occupied or otherwise attended?
- 6.11.4 Are consumer fireworks stored in accordance with NFPA 230, Standard for the Fire Protection of Storage, and as follows?
 - (1) Consumer fireworks shall be stored in DOT-approved packaging. (See 3.3.25.)
 - (2) Cartons shall be stacked neatly and in a stable manner.
 - (3) Consumer fireworks returned to these buildings shall be permitted to be stored temporarily in cartons until repackaging or repacking can be performed.
- 6.11.5 Are firearms, unless carried by authorized personnel or law enforcement personnel, not permitted inside a consumer fireworks storage or work building, room, or area or within 50 ft (15.2 m) of stored consumer fireworks?

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- 6.11.5.1.1 Are smoking materials, matches, lighters, or open flame devices prohibited within 50 ft (15.2 m) of any area where fireworks or other pyrotechnic materials are present?
- 6.11.5.1.2 Are authorized smoking locations so marked and do they contain designated receptacles for disposal of smoking materials and are they provided with at least one approved portable fire extinguisher for use on Class A fires?
- 6.11.5.2.1 Is testing of fireworks, pyrotechnic materials, and pyrotechnic and explosive compositions performed only in an area specifically designated for that purpose?
- 6.11.5.2.2 Is the testing conducted at a safe distance from other buildings?
- 6.11.6 Are signs that read as follows in letters not less than 4 in. high on a contrasting background conspicuously posted on the outside of any consumer fireworks storage building?
FIREWORKS — NO SMOKING
- 6.11.7 Has the operator of the consumer fireworks storage or work building or area prepared a written emergency response plan that provides specific directions to be followed in the event of a fire?

Housekeeping

- 6.12.1 Is loose Black Powder or other exposed pyrotechnic composition prohibited?
- 6.12.1 When loose composition is discovered, is it removed immediately and disposed of in an approved manner?
- 6.12.2 Are interiors of consumer fireworks storage or work buildings or areas kept clean, dry, and free of grit and rubbish?
- 6.12.2 Are tools used for cleaning up loose pyrotechnic composition non-sparking?
- 6.12.2 Are sweepings shall be disposed of in an approved manner?
- 6.12.3 Is the area around consumer fireworks storage or work buildings kept clear of brush, dried vegetation, rubbish, and similar combustibles for a distance of at least 25 ft?

Consumer Fireworks Work Buildings, Rooms or Areas

- 6.13.2 In consumer firework work buildings, rooms, or areas, is the quantity of consumer fireworks being handled outside of DOT-approved packaging limited to that necessary to conduct the operation?

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- 6.13.3 In consumer firework work buildings, rooms, or areas, are aisles shall be at least 48 in. (1.2 m) wide and kept free of obstructions that reduce the required width?
- 6.13.4 In consumer firework work buildings, rooms, or areas, are exit doors shall be kept free of obstructions?
- 6.13.5.1 Are work rooms or areas in consumer fireworks storage buildings separated from stored consumer fireworks by a fire barrier wall having a fire resistance rating of at least 1 hour or by a separation distance of at least 25 ft (7.6 m)?
- 6.13.5.2 Do work rooms or areas in consumer fireworks storage buildings have at least two remotely located means of egress, with at least one means of egress not having to pass through a storage area?
- 6.13.6 Do Light fixtures within 25 ft. of any consumer fireworks have guards?

Trailers, Semitrailers, and Metal Shipping Containers

- 6.14.3 When storage is located in trailers, semitrailers, and metal shipping containers, and where an aisle is provided, does the aisle provide not less than 28 in. in clear width?
- 6.14.4 When storage is located in trailers, semitrailers, and metal shipping containers, is there at least one pressurized water type fire extinguisher having a minimum rating of 2A located within 75 ft.?
- 6.14.6 When storage is metal shipping containers, are the containers stacked to a maximum height of two units? [Note: there is no minimum separation distance for storage of consumer fireworks in metal shipping containers, trailers, and semitrailers.]