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Fire Prevention Bureau

Consumer Fireworks Inspection Information Ref: NFPA 1124

A.3.3.30.2 Consumer Fireworks (Formerly Known as *Common Fireworks*).

Consumer fireworks are normally classed as Explosives, 1.4G and described as Fireworks, UN 0336 by the U.S. Department of Transportation {U.S. DOT} (*see Annex C*). Some small devices designed to produce audible effects are included, such as whistling devices, ground devices containing 50 mg (0.8 gr) or less of explosive composition (salute powder), and aerial devices containing 130 mg (2 gr) or less of explosive composition {salute powder} per explosive unit. Consumer fireworks contain limited quantities of pyrotechnic composition per unit and do not pose a mass explosion hazard where stored. **Therefore, they are not required to be stored in a magazine.**

Sales in retail stores: Type-3 Fire Permit

Permit SHALL be obtained for fireworks retail sales. Consumer fireworks that are in packages are allowed in stores where the total quantity of fireworks on hand do not exceed 125 pounds of pyrotechnic composition. If the weight of the pyrotechnic composition is not known then the amounts will be limited to 25 percent of the total gross weight of the packages. Appears to be unlimited if building is equipped with a full sprinkler system (NFPA 13). (See Below).

Sales Area in Retail Stores:

The area of retail sales shall not exceed 25 percent of the store floor area or be limited to 600 square feet whichever less is.

Retail Sales Occupancy:

1. Retail sales shall be limited to Mercantile Occupancies only.
2. Fireworks sales area shall be under the constant supervision of a store employee when the store is open.

Aisle Width:

1. Aisles serving as a portion of the exit access in the retail area for the consumer fireworks shall have a minimum clear width of 48 inches.
2. Not less than one aisle shall be provided and arraigned so that the travel along the aisle leads directly to an exit.
3. No dead-end aisles allowed in fireworks retail area.

Fire Protection:

Fire Extinguishers:

1. There shall be two-(2A) rated fire extinguishers within 35 feet travel distance to fireworks display area.
2. One extinguisher shall be an (ABC) class and the other shall be a pressurized water extinguisher.
3. There shall be fire department apparatus access within 150 feet of a perimeter wall of the building.
4. There shall be a 30-foot clearance between retail sales and accumulated dry combustible weeds, grasses, brush or combustible debris.

Sales (Temporary) in Tent Type Structures: Type-3 Fire Permit

1. Permit SHALL be obtained for temporary fireworks sales.
2. Borough mercantile application and zoning approval SHALL be obtained prior to submitting for Fire Bureau Permit.
3. Map of location of display along with any storage containers with zoning approval SHALL be provided with application.
4. There shall be fire department apparatus access within 150 feet of the perimeter wall of the tent.
5. There shall be a 30-foot clearance between retail sales and accumulated dry combustible weeds, grasses, brush or combustible debris.
6. No vehicles shall be parked within ten (10) feet of the fireworks retail sales area. Exception, the delivery, loading and unloading of merchandise.
7. No smoking is allowed within 50 feet of sales area. Signage shall be posted at all entrances.
8. Storage of consumer fireworks shall be 20 feet from sales area.
9. Maximum travel distance to exits shall be 75 feet.
10. Generators shall be located at least 20 feet from sales area.
11. Generator fuel shall be stored not less than 20 feet from sales area.
12. Diesel fuel storage shall be limited to 5-gallons.
13. Gasoline fuel storage shall be limited to 2-gallons.
14. Fuel that is stored more than 50 feet from sales area is unlimited.
15. Cooking equipment of any type is prohibited within 20 feet of sales area.
16. Open flame cooking equipment is prohibited within 50 feet of sales area.

Fire Protection:

Fire Extinguishers:

There shall be two-(2A) rated fire extinguishers within 35 feet travel distance to fireworks display area. One extinguisher shall be an (ABC) class and the other shall be a pressurized water extinguisher.

Outside Storage Containers:

Outside storage containers for the temporary storage of consumer fireworks shall be labeled with the appropriate (704) system. Signage shall be on all sides of the container and shall be visible from 300 feet away.