

CLARK COUNTY FIRE CODE

CODE AMENDMENTS FOR ADOPTION OF

2012 International Fire Code

Effective: January 1, 2015



B Bertral Washington, Fire Chief
R Ron Lynn, Fire Code Official

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Web Page: <http://www.clarkcountynv.gov/depts/fire>

Original copy of ordinance on-file with Clark County Clerk's office

“5608.12 Penalty for violation” is added to read as follows:

5608.12 Penalty for violation. Any person operating or maintaining any occupancy, premises or vehicle subject to this regulation who shall permit any hazard to exist on premises under his control or who shall fail to take immediate action to abate a hazard when ordered or notified to do so by the building official or a duly authorized representative shall be guilty of a misdemeanor, and upon conviction thereof, be punished by a fine of not more than one thousand dollars and/or imprisonment in the county jail for not more than six months, or any combination of such fine and imprisonment. Every day of such violation shall constitute a separate offense.

“SECTION 5609 CONSUMER FIREWORKS” is amended to read as follows:

**SECTION 5609
CONSUMER FIREWORKS**

5609.1 General. Storage, distribution and sales of consumer fireworks shall be in accordance Section 5609 and The Southern Nevada Fire Chiefs Association Approved Guideline for Fireworks.

5609.1.1 Permit required. Permit shall be required in accordance with 105.6 and the Southern Nevada Fire Chiefs Association Approved Guideline for Fireworks.

5609.1.2 Seizure of fireworks. It shall be unlawful to possess, use, explode, offer, display for sale, hold or store any and all fireworks in violation of this section. Upon finding unlawful fireworks, the fire chief, building official, or police chief or their representative shall seize, take, remove or cause to be removed such unlawful fireworks and destroy said unlawful fireworks at the expense of the owner.

5609.1.3 Penalty for violation. Any person operating or maintaining any occupancy, premises or vehicle subject to this regulation who shall permit any hazard to exist on premises under his control or who shall fail to take immediate action to abate a hazard when ordered or notified to do so by the building official or his duly authorized representative shall be guilty of a misdemeanor, and upon conviction thereof, be punished by a fine of not more than one thousand dollars and/or imprisonment in the county jail for not more than six months, or any combination of such fine and imprisonment. Every day of such violation shall constitute a separate offense.

5609.2 Storage. Where the temporary storage of consumer fireworks, 1.4G is allowed by Section 5601.1.3, Exception 4, such storage shall comply with applicable requirements of NFPA 1124.

5609.2.1 Storage for Wholesale Consumer Fireworks. The storage building shall comply with the currently adopted building and fire codes and Chapter 6 of NFPA 1124. It shall be inaccessible to the public. Wholesale storage locations shall be approved by the fire code official.

5609.2.2 Storage for Retail Consumer Fireworks. Retail consumer fireworks shall be stored in an approved wholesale location or sales stand or stand premises when supervised by an adult. Storage locations shall be approved by the fire code official.

5609.2.3 No Smoking signs. No smoking signs shall be posted at all storage locations. No smoking signs with 3-inch tall letters shall be posted on all four sides of the storage container or fireworks stand. Signs shall be bilingual (English/Spanish) and shall be painted or stenciled on the booth.

5609.3 Safe and Sane consumer fireworks. All fireworks items for consumer sale shall be tested per Section 5609.3 within 12 months prior to the date of sale.

5609.3.1 Labels. All fireworks for consumer sales shall bear the California State Fire Marshal's Safe and Sane seal. Each item or case of small items or item box shall bear the seal.

5609.3.2 Packaging. Retailers shall display and sell consumer fireworks in their original packages only.

5609.3.3 Fireworks Construction. The construction and composition of consumer fireworks shall comply with the American Pyrotechnics Association Standard 87-1, Standard for Construction and Approval for Transportation of Fireworks, Novelties and Theatrical Pyrotechnics, 2001 edition. See Annex C of NFPA 1124.

5609.4 Fire Prevention Bureau Testing and Approval. All consumer fireworks shall be tested and certified by an approved, independent third party testing agency for compliance with the regulation of the Consumer Products Safety Commission (CPSC) as set forth in 16 CFR 1500 and 1505. Wholesalers shall have copies of the test reports shall be available for review.

5609.4.1 Fire Prevention Bureau Testing. Each wholesaler shall provide the Clark County Fire Prevention Bureau with a complete inventory statement for each product or package for sale to consumers at least 90-days in advance of the first day of sale. Testing shall be in accordance with the Southern Nevada Fire Chiefs Association Approved Guideline for Fireworks. Items not listed on the inventory statement will not be permitted for sale.

5609.4.2 Test Method. Each device selected for testing shall be tested according to the Southern Nevada Fire Chiefs Association Approved Guideline for Fireworks. The pass/fail criteria will be according to these documents. Additionally, no product shall exhibit re-ignition, burn-out or prolonged burning within fifteen (15) minutes after the termination of the primary effect produced by the device.

5609.5 Dangerous fireworks. It shall be unlawful for any person to possess, store, to offer for sale, expose for sale, sell at wholesale or retail, or use or explode any dangerous fireworks in the unincorporated towns of Clark County, Nevada. "Dangerous fireworks" include, but are not limited to, the following:

1. Fireworks that contain prohibited chemicals per NFPA 1124;
2. Firecrackers, salutes and other articles which explode;
3. Fireworks that fire an aerial display;
4. Skyrockets and rockets, including all devices which employ any combustible or explosive material and which rise in the air during discharge;
5. Roman candles, including all devices which discharge balls of fire into the air;
6. Sparklers more than ten inches in length or one-fourth inch in diameter;
- 7 All fireworks designed and intended by the manufacturer to create the element of surprise upon the user. These items include but are not limited to auto foolers, cigarette loads, exploding balls, trick matches;
8. Fireworks known as devil-on-the-walk, or any other fireworks which explode through means of friction;
9. Torpedoes of all kinds which explode on impact;
- 10 Fireworks kits;
11. Devices that travel a distance exceeding a 10 feet radius.
12. Such other fireworks examined and tested by the chief and determined to possess characteristics of design or construction which make such fireworks unsafe for use by any person not specially qualified or trained in the use of fireworks.

5609.6 Fireworks Stands. Fireworks stands (booths) shall be constructed, arranged and have the following construction and operational features.

5609.6.1 Operations. Fireworks stands shall be operated from June 28 to July 4 of every calendar year.

5609.6.1.1 Fireworks shall be returned to an approved wholesalers storage location at the end of each sales day and there shall be no storage in other locations including, but not limited to, residential neighborhoods, dwellings, garages, public ways, driveways, trailers, or vehicles.

5609.6.2 Certificate of Insurance. The permittee shall furnish a certificate of insurance for hazard coverage of up to \$1,000,000 or greater as specified by the Fire Prevention Bureau.

5609.6.3 Personnel. Fireworks stands shall be operated by at least one adult, 18 years or older, and not be occupied by anyone under the age of 14.

5609.6.4 Construction of Stands. Each fireworks stand shall be constructed as follows:

1. No stand (booth) shall exceed 33 feet in length or 10 feet in width.
2. All stands shall have no less than two unobstructed exits measuring a minimum of 6 feet tall and 2 feet in width. The counter shall not be considered an exit.
3. The siding and roof of the booths shall be made of a minimum of ¼-inch plywood or comparable material or of noncombustible materials.
4. All wiring and appliances shall meet the requirements of the National Electrical Code and be protected from damage.
5. Overhead wiring powering fireworks stand shall be a minimum of 13 feet, 6 inches above grade.
6. Trailers used as fireworks stands may be used when approved.

5609.6.5 Fire safety features. Each fireworks stand shall have the following fire safety features;

1. A fully-charged mounted fire extinguisher rated at least 2A 10BC. The fire extinguisher shall be tagged by a contractor licensed by the State Fire Marshal.
2. "No Smoking" signs with 3-inch tall letters posted on all four sides of the stand as required by 5609.2.3.
3. Clear space between the stand and exposures as noted in Table 5609.5.5:

Table 5609.6.5

Minimum Separation Distance from sales stand		
10 feet	20 feet	50 feet
Combustibles	Buildings	Motor vehicle fuel dispensers
Vehicle Parking	Fireworks storage	Propane dispensers
Curb of edge of roadway, street or driveway	Other fireworks stands	Compressed natural gas dispensing
Water/air dispenser at service stations	Underground storage tank fill port	Aboveground storage tanks for flammable or combustible liquids, flammable compressed gases including propane.

5609.7 Ignition of fireworks - Hazardous locations. Ignition of fireworks shall not take place within one hundred feet of a fireworks booth, gasoline service station buildings, gasoline dispensers, flammable or combustible liquid tank fill or vent lines, aboveground flammable or combustible liquid tanks, or any building, structure or vehicle containing unsealed flammable or combustible liquids, hazardous materials or explosives.

5609.7.1 Ignition of Fireworks – General Prohibition. Ignition of fireworks shall take place so as to not endanger persons, buildings, structures, property, brush, automotive vehicles and/or equipment, etc.

5609.7.2 Ignition of Fireworks – Prohibited dates. Ignition of fireworks shall not take place before the 28th day of June or after the 4th day of July of each sales year.

5609.8 Orientation Meetings. The fire code official shall hold at least two (2) orientation meetings. These meetings shall be to review applicable code requirements and The Southern Nevada Fire Chiefs Association Approved Guideline for Fireworks. Each organization running one or more fireworks stands shall attend at least one meeting.

IFC CHAPTER 57

“5704.2.9.2.5 Fire flow” is added to read as follows:

5704.2.9.2.5 Fire flow. Fire flow shall be based on flash point of the most hazardous liquid stored and the estimated foam requirement for the largest tank, in accordance with Table 5704.2.9.2.5(a) and Table 5704.2.9.2.5(b). The minimum fire flow provided shall be equal to the sum of flows required by these tables. Minimum fire flow duration shall be 4 hours.

Table 5704.2.9.2.5(a)

Hose Stream Demand for Tanks Storing Flammable and Combustible Liquids ¹

Flash Point of Liquid	Largest Tank	Largest Exposed Tank
<140° F	1000 gpm ²	500 gpm ²
≥140° F	750 gpm	250 gpm

¹ Required flows may be reduced by half for horizontal tanks

² Add 250 gpm for each 100 ft. increase in tank diameter above 100 ft.

Table 5704.2.9.2.5(b)

Estimated Water Demand for Fixed Foam Protection for a full Surface Fire

Tank Diameter (ft)	Water Demand (gpm)
50	200
100	800
150	2000
200	3200
250	5000
300	7100

“5704.2.13.1.3 Out of service for one year” is amended to read as follows:

5704.2.13.1.3 Out of service for one year. Underground tanks that have been out of service for a period of one year shall be removed from the ground in accordance with Section 5704.2.14. Coordination and compliance with Environmental Health Division of Southern Nevada Health District for tank removal is the responsibility of the owner and contractor.

“5704.2.13.1.4 Tanks abandoned in place” is deleted in its entirety.

“5704.5 Generator and Fire Pump Diesel Fuel Tanks” is added to read as follows:

5704.5 Generator and Fire Pump Diesel Fuel Tanks.

5704.5.1 Exterior Installations. Exterior installations shall be in accordance with this section.

5704.5.1.1 Secondary containment. Tanks shall be listed and labeled as a secondary containment tank in accordance with UL 142 or shall be a UL 2085 tank.

5704.5.1.2 Separation distances. Aboveground tanks shall be separated from property lines, important buildings, public ways, and other tanks in accordance with NFPA 30.