



LAS VEGAS FIRE & RESCUE

Fire Prevention Division

Information Sheet



The items listed are basic information only. Please refer to adopted codes for specific details. Codes are subject to change. Additional requirements may apply.

Effective Date: January 5, 2026

Ordinance # 6918

Blasting Operations

An operational permit is required for any proposed activity that will involve the use of explosives. At the time of application, the blasting contractor shall provide the following but not limited to: **IFC 5601.2**

- ☐ Completed City of Las Vegas Fire & Rescue Temporary Operational permit application
- ☐ Aerial Site maps and drawings with measured distances as required
- ☐ Clear designation of blasting locations
- ☐ Proof of Insurance in accordance with **IFC 5601.2.4.1 & SNFC 5601.2.4**
- ☐ Proof of proper licensing through the State of Nevada Fire Marshal's office
- ☐ Documentation of seismograph monitoring engineering firm that will conduct monitoring
- ☐ Traffic and access control plan
- ☐ Notification plan including: Neighborhood notifications, meeting acknowledgment (if needed), blasting schedule notice, and door hanger example.
- ☐ Utility notifications. Utility notification forms shall be provided for any blasting operations that will take place within 300ft of the blast site.

General Requirements for blasting operations: **SNFC 5607.3.1**

1. All blasts shall be monitored at the nearest structure by a third-party engineering firm. Utilities or other critical infrastructure within 300 feet of the blast area shall be monitored by a third-party engineering firm. Such monitoring shall be done by a seismologist using a certified, annually calibrated, seismic monitor that shall be capable of measuring blast-induced vibration and blast-induced sound levels.
2. A minimum of two seismographs shall be used to obtain data from each blast or as required by the fire code official.
3. The maximum ground-borne vibrations shall not exceed a single component peak particle velocity (vector sum) of 0.5 inches per second at the nearest structure.
4. For utilities and other critical infrastructure within 300 feet of the blast area, the maximum ground-borne vibrations shall not exceed the limits set forth by the specific utility purveyors or critical infrastructures engineering department. A written approval from the utility purveyor or critical infrastructure detailing these limits shall be provided to the fire code official prior to any blasting activities.

Exception: If the utility or critical infrastructure purveyor does not provide written approval within a reasonable period of time, as determined by the fire code official, the applicant may request permission to submit a blast plan designed so that the maximum ground-borne vibrations shall not exceed a single component peak particle velocity (vector sum) of 0.5 inches per second at the nearest utility or other critical infrastructure.
5. The maximum air blast shall not exceed 120 dB at the nearest structure.
6. Monitoring results shall be reported to the fire code official within 48 hours via e-mail.

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7. The blasting contractor shall provide a minimum of 72 hours prior written notice of blasting activities and project duration to all residences, property owners, businesses, and public uses within 2500 feet of the blasting area. The manner, form, and content of any such notice shall be subject to the approval of the fire code official.

8. For utility notification, see Section 5607.5.

9. The blasting contractor shall notify the fire code official and fire department dispatch by telephone a minimum of two (2) hours prior to each blast and immediately following each blast.

10. The blasting contractor shall provide pre-blast and post-blast surveys of all structures, utilities, and other critical infrastructures within 300 feet of the blast area, or when otherwise required by condition of the fire code official. These surveys must be completed by a third-party engineering firm at no cost to the owner.

11. A traffic and access control plan shall be provided when blasting activities are conducted within 100 feet of any public roadway, or when required by the fire code official. The plan shall include warning signage, flagging, temporary road closure, and detour routes. This plan may be subject to the approval of the local law enforcement agency.

12. The blasting contractor shall be responsible for removing and cleaning up any debris from the blast site and adjacent properties.

Exception: These requirements may be modified by the fire code official.

Additional requirements:

Financial responsibility. Before a permit is issued, as required by Section 5601.2, the applicant shall file with the jurisdiction a valid certificate of insurance complying with Section 105.1.7, for the purpose of the payment of all damages to persons or property that arise from, or are caused by, the conduct of any act authorized by the permit upon which any judicial judgment results. The *fire code official* is authorized to specify a greater amount when, in his or her opinion, conditions at the location of use indicate a greater amount is required. **SNFC 5601.2.4**

To store or use explosive materials or pyrotechnic displays: \$5,000,000. **IFC 105.1.7**

Shot Reports. Shot reports shall be maintained for every blast and for every pyrotechnical event. These reports shall be available to the fire code official upon request within 48 hours. The report shall at a minimum contain the following information: **SNFC 5603.8**

1. Date and time of the blast or pyrotechnical event.
2. Company name and contact information.
3. Location of the blast or pyrotechnical event.
4. Weather conditions, including temperature and wind speed.
5. Quantity and description of all materials used.
6. A list of any unspent or misfired products.
7. A list of all personnel present.
8. The license type and card number of the blaster or shooter.
9. Signature of the blaster or shooter in charge.
10. For blasting operations, the report shall include the seismic data.