



BLASTING PERMIT APPLICATION

Public Works - Engineering Division
 265 Strand Street, St. Helens, OR 97051 | (503) 397-6272
 Email: Engineering@sthelensoregon.gov

Blast Permit Number:

Approved Date: _____

APPLICANT

Date Submitted: _____

APPLICANT

Applicant Name:	Mailing Address: <i>(City, State, Zip Code)</i>
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Phone Number:	Email Address:
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Alternate Contact Person:

Phone Number:	Email Address:
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PROPERTY OWNER (If Different Than Applicant)

Name:

Mailing Address: <i>(City, State, Zip Code)</i>	Phone Number:
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Email Address:	Alternate Phone Number:
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BLASTING CONTRACTOR

Blasting Contractor:

Mailing Address: <i>(City, State, Zip Code)</i>	Phone Number:
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Blasting Contact Person:	Phone Number:	Email Address:
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Onsite Blaster-in Charge:	Onsite Blaster Phone Number:
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State Blasting License Number:	City Business License Number:
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Construction Contractors Board License No (CCB):	24-HR Hour Emergency Phone Nubmer:
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PROJECT INFORMATION

Location of Blasting Site:

Reason for Blasting

Date(s) Blasting is to take place:	Total Blasting Area, in Acres:
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BLASTING REQUIREMENTS

1. Regulations - Blasting shall comply with the City of St. Helens "Construction and Blasting Objectives and Operation Methods" (CABOOM) and the following applicable codes as noted,

- Most current version of the Oregon Fire Code
- Most current version of the Oregon Standard Specifications for Construction (OSSC) Section 00335
- Oregon Revised Statute 480.010 through 480.290
- Oregon Administrative Rules 837-012-1200 through 837-012-1420
- Most current version of the Oregon Structural Specialty Code
- Most current version of NFPA 495, Explosives Materials Code as adopted by OAR 837-012-1340
- Federal and Local Laws, rules and regulations

2. Blasting Plan - Blaster shall prepare a blasting plan and have it reviewed by a qualified independent blasting consultant prior to submitting it to the City of St. Helens Engineering Department at least 3 days prior to holding a pre-blast meeting. Blasting plan shall contain the full details of the drilling and blasting patterns, vibration, fly rock and noise reduction methods, blast area security measures and traffic control that the contractor proposes to use. Plan shall include but is not limited to:

- Legibly drawn plan drawing to scale with North arrow, minimum size 11" x 17"
- Plan shall show property lines with dimensions, adjacent street names, and any existing easements or setbacks
- Show all existing and proposed utilities
- Show outline of existing and proposed structures
- Show access locations from the street, including construction entrances
- Diagram of proposed drill pattern for controlled and production blast holes including buffer rows, free face, burden, blast hole spacing, blast hole diameters, blast hole angles, lift height and sub drill depth. Accurately draw to scale and show each cut area to be blasted.
- Loading diagram showing the type, amount and specific gravity of explosives, primers, boosters, and initiators, and location depth, and type of stemming.
- Manufacturer's product data sheets for all explosives, primers, boosters, and initiators to be used
- Copy of Notification to be provided to in writing to affected businesses and residents at least 48 hrs before blasting begins. Notification shall be made to all properties within 250 feet of the site.
- Associated traffic control plan
- Any additional safety measures and site controls that will be used during blasting operations

3. Pre-blast Meeting - Blaster shall meet with City staff for a pre-blast meeting prior to blasting. Typical pre-blast meeting agenda will include, but not be limited to blast schedule, blasting procedures and safety, vibration monitoring, pre-blast surveys, construction notifications, blast reporting requirements, and environmental considerations. Prior to holding the pre-blast meeting a public meeting and notifications to all potentially affected residents shall be held and the comments from that meeting shall be submitted along with pre-blast plan for review.

4. Miscellaneous Blasting Requirements

- Where blasting is done in a congested area or in close proximity to a structure, railway, or highway, or any other installation that could be affected, special precautions shall be taken to prevent damage and to minimize earth vibrations and air blast effects.
- Blasting mats or other protective devices shall be used to prevent fragments from being thrown.
- Persons authorized to prepare explosive charges or to conduct blasting operations shall use every reasonable precaution including, but not limited to, warning signals, flags, barricades, mats, or other equally effective means to ensure the safety of the general public and workers
- Where blasting is conducted in the vicinity of utility lines or rights-of-way, the blaster shall notify the appropriate representatives of the utilities at least 24 hours in advance of blasting, specifying the location and the intended time of such blasting. Verbal notice shall be confirmed with written notice

5. Insurance Requirements - Blasting company is required to carry Commercial General Liability insurance which shall be written with limits no less than \$1,000,000 each occurrence, \$2,000,000 general aggregate and \$1,000,000 products- completed operations aggregate limit. The policy shall have no exclusions for explosion, collapse and underground hazards (XCU coverage). The policy shall be endorsed adding the City of St. Helens as an additional insured using an endorsement equivalent in coverage and scope to ISO form CG 20 12 11 85. Before blasting occurs, proof of the required insurance must be submitted to the City for verification.

GENERAL TERMS AND CONDITIONS

1. Permit Validity - No permit is valid until a copy, approved by the City, has been furnished to the applicant. No work in City rights-of-way is to be started until applicant obtains a valid permit. Failure of applicant to comply with any of the terms and conditions of the permit shall be sufficient cause for cancellation of the permit. Multiple sites on one Blasting Permit is not allowed.

2. Permit Compliance - To ensure compliance with the terms and conditions of the permit, the City of St. Helens reserves the right to inspect the work during such periods as the City deems necessary, to check compliance with the terms of the permit by applicant and to require applicant to correct all deviations from those terms and conditions.

3. Permit Posting - Applicant/Blaster shall post blasting permit in a visible location on site. The approved blaster on file with this office must be present during all blasting activity and present certificate authorization and photographic identification upon request by authorized City representatives. Please report any loss of blasting permit to the City of St. Helens Engineering Division immediately.

4. Availability of Permit - A copy of the permit including approved plans, details, conditions, and traffic control plan shall be readily available and on site at all times. All work shall conform to special terms and conditions of this permit, the approved permit plans, approved plan amendment (if applicable), to the City's standards and specifications and other governing agencies, as applicable.

5. Liability & Injury - Applicant shall be responsible and liable for all accidents, environmental clean-up, damages or injuries to any person or property resulting from the construction, maintenance, repair, operation or use of a facility for which the Applicant may be legally liable. The Applicant shall defend, indemnify and hold the City and its officers, employees, agents and representatives harmless from and against any and all damages, claims, demands, actions, causes of action, costs and expenses of whatsoever nature which they or any of them may sustain by reasons of the acts, conduct or operation of the Applicant, his agents or employees in connection with the construction, maintenance, repair, operation or use of said facility. Notwithstanding the foregoing, the Applicant shall not be liable in respect of (and the foregoing indemnity shall not cover) any claim, damage, loss, liability, cost or expense to the extent the same result from the negligence, willful misconduct or strict liability of any officer, employee, agent or representative of the City. If the Applicant has an established franchise agreement with the City of St. Helens, that agreement shall control.

6. Utility Notification - Oregon law requires the rules adopted by the Oregon Utility Notification Center to be followed if the work involves excavation. Those rules are set forth in OAR 952-001-0001 through OAR 952-001-0100. You may obtain copies of the rules by calling the **Oregon Utility Notification Center at 1-800-332-2344** or visiting their website at <http://www.callbeforeyoudig.org/>. In addition to the City's utilities, there are other private and public utilities, utility owners, companies, districts that occupy the public right-of-way. Applicant shall immediately notify the specific facility(ies) and/or owner(s) if such facilities are unexpectedly encountered. Locate and pothole all utilities as needed, including sewer laterals and water services prior to construction. Relocation and proper repair of existing facilities will be at the Applicant's expense. All potholing shall be properly backfilled and compacted in accordance with the applicable standard detail(s) unless directed otherwise by the City's Representative.

ACCESS TO WORK, INSPECTIONS & SITE CONDITIONS

7. Access - The Applicant shall allow the City to enter the property described herein at any time to review and conduct inspections of any and all work being done, provided all safety warnings and PPE (Personal Protective Equipment) requirements are observed by the City Representatives, where applicable. Applicant further understands that if the City's Representatives are refused access for any reason other than failure to abide by safety warnings and/or PPE requirements, the City may revoke this permit.

8. Erosion Control and Site Conditions - All applicable erosion control measures shall be in place prior to starting work and maintained throughout construction. Work area and approach roads shall be maintained in a clean condition, free from obstruction and hazards. The spreading of soil, gravel or debris upon any street is strictly prohibited and shall be cause for immediate cancellation of the permit if appropriate measures are not immediately taken to prevent this from occurring and the debris cleaned up. The street shall be cleaned of all dirt and debris at the end of each workday, or more frequently as determined by the City. Cleaning of streets shall be by shovel, broom or street cleaning equipment as required to adequately clean the surface. No washing of materials into adjacent waterways or the public storm system is allowed.

9. Restoration - Upon completion of the work, disturbed areas shall be restored or replaced to equal or better than pre-construction conditions. Existing signs, pavement markings, mailboxes, etc. shall be reinstalled or replaced, with like kind of material. Obtain City approval for all restoration work performed.

10. Property & Property Owner Access - Access to existing properties shall be maintained at all times, including delivery and mail service.

TRAFFIC

11. Traffic Control Plan - Applicant must submit a traffic control plan, when required, with the application for review and approval by the Engineering Division. During and prior to construction, Applicant must comply with the approved job specific traffic control plan and shall at all times ensure the presence of workers, tools, materials, flaggers, barricades and other safety devices are placed properly to protect bicyclists, pedestrians, construction personnel and vehicular traffic.

A copy of the traffic control plan shall be readily available at the work area. Traffic control devices, flag persons, etc., shall be in place prior to initiation of construction and shall be effectively maintained throughout the duration of the project. Traffic control shall be in accordance with the current editions of the "Manual on Uniform Traffic Control Devices [MUTCD] for Streets and Highways", U.S. Dept. of Transportation, FHWA, American Traffic Safety Services Association [ATSSA], and Oregon Temporary Traffic Control Handbook. All traffic control personnel shall have proper state of Oregon certification and be able to provide it to the City Representative if/when requested.

Contractor shall provide a safe pedestrian route that is inspected and approved by the City prior to closing any sidewalks for construction

12. Road Closure - The public roadway shall not be closed to traffic, at any time, without obtaining prior written approval from the Engineering Division.

13. Working Hours - Blasting operations within the City shall be conducted between the hours of 9:00 AM and 3:00 PM unless otherwise authorized by the permit. General working hours around City infrastructure are 8:00 am - 5:00 pm, Mon-Fri. Ordinance 2405 regulating excessive noise, and Ordinance 2861 amending 2405 for construction noise limits construction noise between the hours of 10:00 PM and 7:00 AM.

SPECIAL CONDITIONS

14. Security - During the time of loading explosives into holes, blast site shall be barred to all but those authorized persons engaged in the drilling and loading operations or otherwise authorized to enter the site for specific associated reasons. The blast site shall be guarded and posted. Authorized representatives of the City of St. Helens shall have the right to enter construction/blasting sites before, during, or after blasting.

15. Adjacent Utilities - When blasting is to be conducted in the vicinity of water, sewer, storm drain, gas, electric, water, or communication utilities, the blaster shall notify the appropriate representative of such utilities at least 24 hours in advance of blasting specifying the location and intended time of such blasting.

16. Vibration Monitoring - A monitoring plan to identify how seismic monitoring will be conducted to ensure ground vibration does not exceed the maximum limit in NFPA 495 Figure 11.2.1 at the nearest structures or buildings. Where seismic monitoring is not provided, explosive use shall be limited to the "scaled distance factors" at the nearest structure as identified in NFPA 495 Table 11.2.2.

17. Post Blasting - Applicant shall provide a copy of post blast monitoring and seismic report to the City when requested.

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