



TOWN OF CARY FIRE DEPARTMENT
OFFICE OF THE FIRE MARSHAL
 100 N. ACADEMY STREET
 CARY, NC 27511
 919.469.4351 office | www.carync.gov

Blasting Permit Application



I. Subject Property

EFFECTIVE FEBRUARY 2, 2020 - PERMIT APPLICATIONS AND DOCUMENTATION MUST BE SUBMITTED THROUGH THE TOWN OF CARY ELECTRONIC PLAN SUBMITTAL PORTAL [HERE](#). PERMIT APPLICATIONS MUST BE SUBMITTED 7 DAYS IN ADVANCE. A SITE INSPECTION IS REQUIRED BY A TOWN OF CARY FIRE MARSHAL.

In accordance with the provisions of the North Carolina State Fire Prevention Code, a permit must be obtained before a person is authorized to do any blasting or to use any explosive for the purpose of demolishing a structure or blasting out rock, gravel, earth, trees, or any other substance or material. All information must be complete before the processing of a blasting permit application will proceed.

Location / Name:		Email:	
Address:		iMaps Parcel ID#:	
GPS #1:	GPS Format DDD: <input type="checkbox"/> DMS: <input type="checkbox"/> DMM: <input type="checkbox"/>		
Permit Type – Fees apply to each jurisdiction and may differ		<input type="checkbox"/> 30 Day <input type="checkbox"/> Other	

II. Applicant (Person or Firm Responsible for Blasting Operations)

Name & Title:		Email:		Daytime Telephone:	
Blaster's Name:			Company Name:		
Address:		City:		State:	
				Zip:	

III. Property Owner

Name:		Daytime Telephone:		Email:	
Address:		City:		State:	
				Zip:	

IV. General Contractor

Name & Title:		Email:		Daytime Telephone:	
Company Name:					
Address:		City:		State:	
				Zip:	

V. Project Description

Estimated Start Date:		Estimated End of Blasting		Will Explosives be stored onsite? <input type="checkbox"/> Yes <input type="checkbox"/> No	
-----------------------	--	---------------------------	--	--	--

Describe the Project and why blasting is a necessary part of the project:

VI. This application shall be accompanied by the following information, unless otherwise specifically modified by the Fire Marshal or designee:

- Confirm and provide NC 811 Locate ticket. www.nc811.org
- A legible sketch of the blast site showing measured distances to adjacent buildings, streets, utilities, wells, and other facilities.
- A blasting plan to include a description of the proposed blasting procedures, an estimate of the total number of cubic yards of material to be removed by blasting, an estimate of the number of blasts to be detonated, the quantity and type of explosives to be used, the maximum amount of explosives per delay, the maximum number of holes per delay, and the proposed placement of seismographs. (Delay shall mean a period of eight milliseconds or greater.)
- A safety plan to include traffic control, barricading, signage plan, and adverse weather operation plan.
- The proposed hours during which the blasting operations will be conducted.
- Any other studies or information deemed necessary by the Fire Marshal, which may include, but are not limited to:
 1. A pre-blast assessment, prepared by a geotechnical engineer or other blasting professional, which would assess the potential for damage to adjacent structures and facilities.
 2. A pre-blast inspection of all structures and facilities located within 500 feet of the proposed blast location. As part of the inspection, the structures and facilities would be videotaped and/or digitally photographed to document any pre-existing damage so that any claims for post-blast damages could be compared with the pre-blast inspection report. A complete pre-blast report shall be submitted with this documentation for a permit.
 3. Hydrological study, Geological Study, Test Wells

VII. Liability Insurance Required

Before a permit is issued, the Applicant must file with the jurisdiction a corporate surety bond in the principal sum of \$1,000,000, or a public liability insurance policy for the same amount, 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 or lesser amount when, in his or her opinion, conditions at the location of use indicate a greater or lesser amount is required. Government entities shall be exempt from this bond requirement. The insurance policy shall state "For blasting operations." The policy shall name the Town of Cary and any subcontractors as additional insured.

VIII. Permit Conditions

- A. Any blasting permit may be revoked for (1) failure to comply with the provisions of state and local codes; (2) failure to comply with any of the provisions of this permit; or (3) any other cause if the Fire Marshal determines that the continuance of the permit is not consistent with the provisions of the Code. A stop work order may be issued for seismic readings above the limits of NFPA 495 and for failure to comply with conditions of the permit. Such stop work orders shall be issued to the blasting permit representative and shall state conditions before blasting resumes.
- B. This permit shall not be transferable whether by operation of law or otherwise, either from one location to another or from one person to another.
- C. All blasting operations shall be covered in such manner as to prevent fragments of rock, gravel, earth, trees, or other substances or materials from being thrown against or upon lots, buildings, utility lines, or any street or highway.
- D. Whenever blasting is being conducted in the vicinity of gas, electric, water, fire alarm, telephone, telegraph, or steam 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.
- E. Hours of detonation shall be limited to daylight hours, no earlier than 8:00 a.m. or later than 5:00 p.m., Monday through Friday, except by special exception specifically authorized by the Fire Marshal. Blasting shall also be prohibited on all Town of Cary, state and federal holidays.
- F. Water is a precious resource, and measures shall be taken to protect groundwater quality as found in the nearest well within 500 feet of the blasting location. Post-blast testing shall be done no sooner than 24 hours or no later than 48 hours following a blast. Turbidity in wells tested shall be no greater than that which existed prior to the blasting as established in the pre-blast assessment.
- G. Any person detonating explosives shall first notify the Town of Cary Emergency Communications Center that a blast is planned. Such notification shall be received at least twenty-four (24) hours prior to the planned detonation and shall give the time (within 30 minutes) of the planned detonation and the location where the blasting is to be done. The person detonating the explosives shall give an equivalent notice to each property owner located within 500 feet of the proposed blasting location.
- H. Persons responsible for blasting operations shall maintain a record of each blast. All original blasting records shall be retained by the persons responsible for the blasting operations for at least five years following the cessation of the blasting operations and shall be available for inspection by the Fire Marshal upon request.

Additional Conditions:

IX. Certification and Signature

I hereby certify that I have read and examined this application and its attachments and that all of the information contained therein is true and correct. Furthermore, I certify that the proposed blasting operations will fully comply with the requirements contained in the North Carolina State Fire Prevention Code and NFPA 495. I agree to indemnify, save harmless, and defend the Town of Cary, its agents, and employees from all claims, damages, costs, expenses, and charges, including attorneys' fees, that arise out of or by reason of these blasting operations.

Applicant Company _____ Date: _____ Representative Name: _____