

**MOORE COUNTY FIRE MARSHAL'S OFFICE
APPLICATION FOR BLASTING / EXPLOSIVE STORAGE PERMIT**



302 S. McNeill St.
103 W. Saunders St.
Carthage, NC 28327

Date:

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TEL: 910-947-6317
FAX: 910-947-6378

www.moorecountync.gov

Fire Marshal

Applicant Information:

Name:

Address:

City: State: Zip Code:

Telephone: Cell Phone:

Bureau of Alcohol, Tobacco, Firearms and Explosives permit / license type number:

Property Owner:

Name:

Address:

City: State: Zip Code:

Telephone: Cell Phone:

Description of Storage Location:

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Liability Insurance Required

Before a permit is issued, the Applicant must file a public liability insurance policy (**Original document with signatures**) in the principal sum of one million dollars (\$1,000,000) and two million (\$2,000,000) aggregate. The policy shall state, "For blasting or explosive storage operations. The policy shall name the County of Moore as an additional insured.

Submission Requirements:

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

- Sketch of the blast site / storage areas and types of magazines showing measured distances to adjacent buildings, streets, utilities, wells, and other facilities.
- Storage plan to include type and description of magazines, quantity, and types of explosives including manufacturer's data sheets.
- 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.)
- An estimated starting date and completion date for the blasting operations.
- The proposed hours during which the blasting operations will be conducted.
- A traffic control, barricading, and signage plan.
- Any other studies or information deemed necessary by the Fire Marshal, which may include, but is not limited to:
 - A pre-blast assessment, prepared by a geotechnical engineer or other blasting professional that would assess the potential for damage to adjacent structures and facilities.
 - 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 to document any pre-existing damage so that any claims for post-blast damages could be compared to the pre-blast inspection report.
- Hydrological study
- Geological study
- Test wells.

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Permit Conditions

- a. Any blasting permit may be revoked for (1) failure to comply with the provisions of the State and local codes; (2) failure to comply with any of the provisions of this permit; or (3) for any other cause if the Fire Marshal determines that the continuance of the permit is not consistent with the provisions of the Code.
- 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. 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, State and Federal holidays.
- e. Water is a precious resource and measures shall be taken to protect ground water 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.
- f. Any person detonating explosives shall first notify the Moore County 911 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 that is located within 500 feet of the proposed blasting location.

Additional Conditions:

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Record Keeping:

Persons responsible for blasting operations shall maintain a record of each blast. A copy of that record shall be filed with the Fire Marshal within twenty-four hours of each blast. All original blasting records shall be retained by the persons responsible for the blasting operations for at least three years following the cessation of the blasting operations and shall be available for inspection by the Fire Marshal. The blasting records shall contain the following minimum data:

- a. Name of the person responsible for the blasting operation
- b. Location, date, and time of blast
- c. Name of the blaster in charge
- d. Type of material blasted
- e. Number of holes, burden, and spacing
- f. Diameter and depth of holes
- g. Types of explosives used
- h. Amount of explosives used
- i. Maximum amount of explosives per delay period of eight milliseconds or greater
- j. Maximum number of holes per delay period of eight milliseconds or greater
- k. Method of firing and type of circuit
- l. Weather conditions (including factors such as wind direction, cloud cover, etc.)
- m. Height or length of stemming
- n. Were mats or other types of protection used
- o. Type of detonators used and delay periods used
- p. Seismograph and air blast readings when measured, and from where measured

Pyrotechnics Storage:

- Name of the person responsible for the blasting operation
- Sketch of the storage areas and types of magazines showing measured distances to adjacent buildings, streets, utilities, wells, and other facilities.
- Storage plan to include type and description of magazines, quantity, and types of explosives including manufacturer's data sheets.

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I certify under penalty of perjury that the foregoing information which I have provided is true and accurate to the best of my personal knowledge.

Applicant:

Property Owner:

Date:

Date:

| FOR OFFICIAL USE ONLY | |
|--|-----------------|
| Permit Number: _____ | |
| Application Date: / / _____ | |
| Approval Date: / / _____ | Initials: _____ |
| Expiration Date: / / _____ | |
| Denial Date: / / _____ | Initials: _____ |
| Reason for the Denial: _____ | |
| | |
| Fees Paid: \$150.00 _____ | Check No. _____ |
| Date: / / _____ | Initials: _____ |
| | |