KERNERSVILLE FIRE RESCUE
Fire Marshal's Office
Post Office Drawer 728 • Kernersville, North Carolina 27285-0728

BLASTING & EXPLOSIVES OPERATIONS
SPECIAL USE PERMIT REQUIREMENTS

1. All Blasting operations shall be conducted in accordance with the most current version of the NC Fire Code and NFPA 495 and other State and Local laws or conditions.

2. A permit shall be required before beginning blasting operations or the arrival of explosives to the site.

3. Proof of insurance and bond shall be provided to the Fire Marshal's Office.

4. All blasting operations, use and storage of explosives shall be conducted by an individual of at least 21 years of age. Any persons 18 years of age may be allowed to use, handle explosive materials provided they are under direct supervision of a person who possesses a valid explosives permit.

5. Whenever a new explosive material storage site, including temporary job sites, is established, the Kernersville Fire and Police departments shall be notified 48 hours in advance of the type, quantity and location of explosive materials at the site.

6. The Fire Marshal's Office may seize, take, dispose, remove, or cause to be removed at the expense of the owner, all explosive materials offered or exposed for sale, stored, possessed, or used in violation of the NC Fire Code and NFPA 495.

7. Proper documentation, including seismographic reports shall be kept and made available to the Fire Marshal's Office upon request. These records shall be maintained for a minimum of 5 years from the date of the blast.

8. Theft, loss or unauthorized removal of explosives shall be reported to the Kernersville Fire and Police departments and the U.S. Dept of Treasury, Bureau of Alcohol, Tobacco and Firearms within 24 hours.

9. Separate magazines shall be used for detonators and explosives.

10. **Property upon which Type 1 magazines and outdoor magazines of Types 2, 4 and 5 are located shall be posted with signs stating: EXPLOSIVES-KEEP OFF.** These signs shall be of contrasting colors with a minimum letter height of 3 inches and minimum brush stroke of 0.5 inch.

11. **At the entrance to explosive material storage sites, all access roads shall be posted with the following warning sign or other approved sign: DANGER! NEVER FIGHT EXPLOSIVE FIRES. EXPLOSIVES ARE STORED ON THIS SITE. CALL 911.** The sign shall be weather resistant with a reflective surface and have lettering at least 2 inches high.

12. Smoking, open flames, etc. shall be prohibited in or near 50 feet of magazines or while explosives are being handled, transported or used.

13. Explosives not being use shall be kept in a locked magazine.

14. Combustible materials shall not be stored within 50 feet of magazines.

15. Empty boxes, paper, etc shall be properly disposed of after use

16. Proper precautions shall be taken when blasting occurs in the vicinity of structures, highways, railways congested areas, etc. to minimize vibrations and air blast effects. Blasting mats shall be used to prevent fragments from being thrown.

17. All blasting operations shall be conducted during daylight hours.

18. Warning signs against the use of mobile radio transmitters shall be posted on all roads within 1000 feet of blasting operations where electric detonators are being used.

19. No blasting operations shall be conducted during an electrical storm.

20. No activity other than that required for loading explosives shall be permitted in the blast area.

21. All machinery and tools shall be removed from the blast area prior blasting.

22. No loaded holes shall be left unattended.

23. Blasting lead lines shall be kept shunted until connected into the circuit for firing.

24. A warning signal (1 minute series of long blast) shall be given 5 minutes prior to shot.

25. A blast signal (a series of short blast) shall be given 1 minute prior to the shot.

26. If a misfire is found, the area shall be safeguarded to exclude all employees from the danger area.

27. A new primer shall be inserted into the misfire hole and reblasted.

28. All seismic activity shall be monitored by a seismograph.