



Rev. 3/2004

DMM-62

APPROVED BY: _____

PERMIT NO.: _____

APPROVAL DATE: _____

STATE OF WEST VIRGINIA
OFFICE OF MINERS' HEALTH, SAFETY & TRAINING
1615 WASHINGTON ST., E.
CHARLESTON, WV 25311-2126
www.wvminesafety.org

APPLICATION/PERMIT FOR MULTIPLE SHOOTING - IN ROCK ONLY

1. Company: _____

Address: _____
Street or P.O. Box City State Zip

2. Mine Name or Number: _____

3. Location of Operation:

_____ County _____ District _____ Nearest Post Office

4. Name and Thickness of Coal Seam: _____ Inches

5. Type of Opening: () Drift () Slope () Shaft

6. Areas to be covered by Permit: _____
(Entries, Rooms)

Rock to be Shot () Top () Bottom () Fault

Number of Holes to be Shot at One Time: _____ Depth of Holes: _____

Type of Explosives: _____ Type of Detonators: _____

Maximum Charge Per Hole: _____ Minimum Charge Per Hole: _____

Total Pounds of Explosives to be Shot at One Time: _____

Capacity & Type of Shooting Unit: _____

Linear Feet of Rock to be Shot: _____

Coal Producing Shift: _____ Idle Day or Non-Producing Shift: _____

NOTE: A sketch or diagram must be attached to this application showing blasting pattern.

Signature & Title of Mine Official

Note: This permit is issued subject to the conditions and limitations outlined on the reverse side.

LIMITATIONS ON PERMIT FOR MULTIPLE SHOOTING - IN ROCK ONLY
--FOR ALL PERMITS IN EXCESS OF 10 SHOTS PER BLAST--

1. In addition to the provisions listed below, strict compliance with all legal requirements of Chapter 22A, Article 2, Section 29 through Article 2, Section 35, shall be adhered to.
2. The immediate areas shall be freshly rock dusted a distance of 100 feet in all directions before blasting.
3. Shooting shall be done by a specially trained certified shot firer trained in the use of a blasting galvanometer. Training will be done by a competent person from a powder company. An Office of Miners' Health, Safety & Training representative will be present to monitor the training.
4. During the changing and shooting operations, the care and operation of blasting unit shall be under the exclusive control of the designated certified shot firer. A record of all misfires shall be maintained in the designated pre-shift, on-shift and daily record book, and kept at the mine office.
5. The primer cartridge shall be placed in the rear of the hole with the explosive end of the detonator facing the bulk of the charge. Care shall be taken to avoid air gaps or dust between cartridge.
6. The blasting cable shall not be less than #16 gauge insulated cooper wire 250 feet in length. In blasting, the shot firer shall be around a corner out of the line of fire.
7. Only a certified shot firer or firers shall be involved in the actual firing and preparation of the shots. A certified mine foreman fire-boss shall be the supervisor during blasting operations.
8. Examinations following a multiple shot blast include an examination of the ventilation system in the vicinity that might be affected by the blast.
9. The area in which the shots are being fired shall be examined to assure that all potential power sources or conductors have been removed. A check for stray currents shall be continuously made with a ground monitor system designed especially for this purpose.
10. Methane examinations shall be made with a permissible, with an approved methane detector prior to and immediately following all shootings.
11. The roof and ribs shall be examined prior to and immediately following all shooting, during installation of roof bolts, and during loading operations.

12. Test for continuity shall be made prior to blasting with a blasting galvanometer. The time and date the blasting unit is taken into and brought out of the mine and where blasting will be done, shall be recorded in the designated fire-boss and on-shift record book.
13. A copy of this permit together with a copy of the application for same shall be kept and posted at the mine bulletin board. A copy of these limitations will be taken underground and posted near the blast area.
14. This permit is void upon District Inspector's recommendation.
15. Zero delay detonators shall not be used.