

2. When Cardox is fired all persons in the vicinity, including the shot firer, shall be around a second corner or in an equally safe place.

3. Blasting cables shall be as long as may be necessary to assure the safety of the shot firer, attached only after the charge has been placed in the borehole, and maintained in good repair.

4. The charge shall be detonated with a permissible shot-firing unit.

5. Cardox shall not be shot off the solid, over heavy rock binders or shale, or in a "tight" shot.

6. Cardox misfires caused by the failure of the disk to rupture shall not be approached until after the lapse of 15 minutes and shall be handled under the supervision of a foreman or other competent designated person. Such misfired shells shall be bled off before removal from the hole, and shall be marked conspicuously upon removal from the hole.

149C. Airdox. Where Airdox is used for blasting or breaking down the coal, the following shall apply:

1. Compressed air shall be conducted from the compressor to within a practical working distance of the face by steel air lines tested to withstand an approximate pressure of 20,000 pounds per square inch.

2. Air lines shall be grounded at the compressor and, if possible, at other low-resistance ground connections along the lines, such as at bore-hole casings. They shall not be connected in any way to tracks, water lines, or other electric power return conductors and shall be suitably insulated where they cross electric wires or underneath the track.

3. Unions shall be installed in steel air lines at not more than 1000-foot intervals.

4. Shut-off valves shall be installed every 1,000 feet in all Airdox lines and, in all branch lines, at a point near the main lines.

5. Airdox lines shall be protected at places where equipment passes over, under, or adjacent to them; they shall not be handled or repaired when air pressure is in the line.

6. Air lines shall be examined periodically for kinks or other weaknesses and replaced immediately when defects are found.