

<u>DIVISION OF MINES GUIDELINES FOR APPLICATION OF REGULATORY STANDARDS MANUAL</u>	
COAL MINE SAFETY ACT	CHAPTER 14.3
ARTICLE 11	ELECTRICITY
Issue Date: 4/10/00 Revised Date: 9/30/02	Page 1 of 1

Section 45.1-161.196.

Repairs to Circuits and Electrical Equipment

This section of the MSA addresses repairs to electrical equipment by a certified person or person under the direct supervision of a certified electrical repairman and repairs and maintenance by authorized persons. At any time electrical work and maintenance is being performed on low, medium or high voltage electrical equipment; a certified electrical repairman or person under the supervision of a certified electrical repairman must perform such work. Direct supervision means that the circuit is de-energized, tagged, and locked out by a certified electrical repairman. The certified electrical repairman inspects work performed and the certified electrical repairman returns power to the circuit.

This section allows non-electrical repairs and maintenance on equipment by authorized persons once the power is off and the equipment is blocked against motion. The equipment power can be de-energized at the equipment on board circuit breaker, where applicable. Service work such as changing bits, water sprays, a hose, pumping oil, greasing, etc. can be performed without tagging and locking out at the power center visual disconnect.

However, belt work normally associated with belt moves requires that power to the affected section of belt be de-energized, tagged and locked out at the power source.

Protective Equipment

Properly rated linesman's gloves and electrically rated insulated boots or shoes are required when miners perform work on energized trolley wire. Regularly worn work boots, leather or rubber, normally are not "electrically rated" and should not be considered adequate when performing such work. Personnel who perform this work must wear electrically rated insulated boots and lineman's gloves to comply with this section.