

DIVISION OF MINES GUIDELINES FOR APPLICATION OF REGULATORY STANDARDS MANUAL	
COAL MINE SAFETY ACT	CHAPTER 14.3
ARTICLE 11	ELECTRICITY
Issue Date: 4/10/00 Revised Date: 9/30/02, 4/15/04	Page 1 of 1

Section 45.1-161.195.A.

**Inspection of Electric Equipment
and Wiring: Checking and Testing
Methane Monitors**

Underground Electrical Equipment Requiring Inspection:

At least, weekly inspections of electrical equipment and wiring being used underground is required for locomotives, personnel carriers, electric track switches and derails, compressors, car hauls, conveyor units, pumps, rock-dusting machines, battery powered equipment, permissible equipment, section power centers, belt transformers, rectifiers, face equipment, and all other electrical equipment located underground. Required examinations of wiring include cables, starters, and other installed electrical components. This examination includes weekly examination of underground circuit breakers and monthly testing of surface high voltage circuit breakers. This requirement also includes examination of electrical equipment and wiring located on the surface that supplies power to underground equipment other than high voltage transmission. For example, a transformer located on the surface that serves an underground circuit for an underground pump must be inspected, at least monthly. However, the circuit breaker, pump cable and underground pump from that transformer are required to be inspected, at least weekly.

This section of the MSA pertains to electrical inspection requirements. Any notices of violation issued under this section should address non-compliance with regard to electrical inspections and records of such inspections.

Monthly electrical inspections (at a minimum) are required for all surface electrical equipment and wiring located and installed at surface work areas and facilities at underground coal mines.

Hand-held electrical tools are to be considered electrical equipment requiring monthly inspections. An individual record of inspection for hand tools is not required.