

MINE ELECTRICAL INSPECTOR

NATURE OF WORK

Under general supervision, inspects all electrical systems and equipment in and around mines to determine compliance with mining laws and regulations and to assure safe operations and work practices are followed.

EXAMPLES OF WORK

Inspects all electrical equipment and machinery within the mine using amp-meters, volt-ohm meters, diode testers, filler gauges and other equipment to determine compliance with mine laws and regulations and to ensure safe working conditions.

Inspects preparation plants and surface structures for electrical hazards.

Investigates serious and fatal accidents to determine cause.

Writes reports on findings from inspections and investigations.

Issues notices of violations to mine operators and unsafe workers.

Checks for proper certification of employees operating electrical equipment and oversees work practices to ensure safe operations.

Reviews electrical records to assure proper testing and maintenance of mining equipment and facilities.

Prepares training materials and administers electrical certification test to prospective coal mine electricians.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of state and federal laws and regulations pertaining to mining.

Knowledge of the technical operations, machines, tools, electrical system and standard practices of mines.

Knowledge of occupational hazards and applicable precautionary measures.

Knowledge of the state and national electrical codes.

Ability to understand and apply laws and regulations pertaining to mining.

Ability to inspect electrical systems and write technical reports on findings.

Ability to operate and read testing devices used in electrical testing.

Ability to calculate and interpret electrical test results.

Ability to establish and maintain effective working relationships with mining officials and employees.

Ability to communicate and effectively in oral and written form.

MINIMUM QUALIFICATIONS

TRAINING: Bachelor's degree in Mining Technology, Electronics, a natural or applied science, or closely related field.

SUBSTITUTION: Four years of full-time or equivalent part-time paid experience in practical electrical mining experience may be substituted for the required training.

EXPERIENCE: Five years of full-time or equivalent part-time paid experience of practical electrical experience in coal mines, at least two years of which have been in mines in this state, or a degree in electrical engineering from an accredited electrical engineering school and three years of practical electrical experience in underground coal mining.

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MINE ELECTRICAL INSPECTOR

MINIMUM QUALIFICATIONS: - CONT'D.

SPECIAL REQUIREMENTS: Electrician's certification and a valid license to operate a motor vehicle in West Virginia.

SPECIAL REQUIREMENTS PER HOUSE BILL 4491:

- (1) a citizen of West Virginia, in good health, not less than twenty-four years of age, of good character and reputation and of temperate habits;
- (2) Practical electrical experience means the performance of duties requiring a person to be a certified electrician prior to actually performing such duties.

Must pass required examination with an average grade of at least 90%. Examination administered by the Mine Inspectors' Examining Board.

Established: 9/16/93
Revised: 4/11/05
Effective: 4/11/05