## SIGNIFICANTLY PREDICTIVE SUBSECTION CODES

## sp48\_26 - Experienced miner training. (EXCERPT: Experienced miners must complete the training prescribed in this section before beginning work duties. Each experienced miner returning to mining following an absence of 5 years or more, must receive at least 8 hours of training.)

## sp48\_4 - Cooperative training program. (EXCERPT: An operator of a mine may conduct his own training programs, or may participate in training programs conducted by MSHA, or may participate in MSHA approved training programs conducted by State or other Federal agencies, or associations of mine operators, miners' representatives, other mine operators, private associations, or educational institutions.)

## sp71\_701 - Sampling; general requirements. (EXCERPT: Air samples will be taken by the Secretary and will be analyzed to determine the concentrations of noxious or poisonous gases, dusts, fumes, mists, and vapors in surface installations and at surface worksites.)

## sp72\_620 - Drill dust control at surface mines and surface areas of underground mines. (FULL TEXT: Holes shall be collared and drilled wet, or other effective dust control measures shall be used, when drilling non-water-soluble material. Effective dust control measures shall be used when drilling water-soluble material.)

## sp75\_202 - Protection from falls of roof, face and ribs. (FULL TEXT: (a) The roof, face and ribs of areas where persons work or travel shall be supported or otherwise controlled to protect persons from hazards related to falls of the roof, face or ribs and coal or rock bursts. (b) No person shall work or travel under unsupported roof unless in accordance with this subpart.)

## sp75\_503 - Permissible electric face equipment; maintenance. (FULL TEXT: The operator of each coal mine shall maintain in permissible condition all electric face equipment required by §§75.500, 75.501, 75.504 to be permissible which is taken into or used inby the last open crosscut of any such mine.)

## sp75\_506\_1 - Electric face equipment; permissible condition; maintenance requirements. (EXCERPT: electric face equipment which meets the requirements for permissibility set forth in §75.506 will be considered to be in permissible condition only if it is maintained so as to meet the requirements for permissibility set forth in the Bureau of Mines schedule under which such electric face equipment was initially approved, or, if the equipment has been modified, it is maintained so as to meet the requirements of the schedule under which such modification was approved.)

## sp75\_604 - Permanent splicing of trailing cables. (FULL TEXT: When permanent splices in trailing cables are made, they shall be: (a) Mechanically strong with adequate electrical conductivity and flexibility; (b) Effectively insulated and sealed so as to exclude moisture; and (c) Vulcanized or otherwise treated with suitable materials to provide flame-resistant qualities and good bonding to the outer jacket. (d) Made using splice kits accepted or approved by MSHA as flame resistant.

**sp75\_701\_4 - Grounding wires; capacity of wires.** (FULL TEXT: Where grounding wires are used to ground metallic sheaths, armors, conduits, frames, casings, and other metallic enclosures, such grounding wires will be approved if: (a) The cross-sectional area (size) of the grounding wire is at least one-half the cross-sectional area (size) of the power conductor where the power conductor used is No. 6 A.W.G., or larger. (b) Where the power conductor used is less than No. 6 A.W.G., the cross-sectional area (size) of the grounding wire is equal to the cross-sectional area (size) of the power conductor.)

## sp75\_807 - Installation of high-voltage transmission cables. (FULL TEXT: All underground high-voltage transmission cables shall be installed only in regularly inspected air courses and haulageways, and shall be covered, buried, or placed so as to afford protection against damage, guarded where men regularly work or pass under them unless they are 61⁄2 feet or more above the floor or rail, securely anchored, properly insulated, and guarded at ends, and covered, insulated, or placed to prevent contact with trolley wires and other low-voltage circuits.)

## sp75\_815 - Disconnect devices. (EXCERPT: The section power center must be equipped with a main disconnecting device installed to deenergize all cables extending to longwall equipment when the device is in the “open” position. See Figures I-1 and I-2 in Appendix A to this subpart I.)

## sp75\_821 - Testing, examination and maintenance. (EXCERPT:  At least once every 7 days, a person qualified in accordance with §75.153 to perform electrical work on all circuits and equipment must test and examine each unit of high-voltage longwall equipment and circuits to determine that electrical protection, equipment grounding, permissibility, cable insulation, and control devices are being properly maintained to prevent fire, electrical shock, ignition, or operational hazards from existing on the equipment.)

## sp75\_904 - Identification of circuit breakers. (FULL TEXT: Circuit breakers shall be marked for identification.)

## sp75\_1728 - Power-driven pulleys. (FULL TEXT: (a) Belts, chains, and ropes shall not be guided onto power-driven moving pulleys, sprockets, or drums with the hands except on slow-moving equipment especially designed for hand feeding. (b) Pulleys of conveyors shall not be cleaned manually while the conveyor is in motion. (c) Coal spilled beneath belt conveyor drives or tail pieces shall not be removed while the conveyor is in motion, except where such coal can be removed without endangering persons.)

## sp77\_403 - Mobile equipment; falling object protective structures (FOPS). (EXCERPT: When necessary to protect the operator of the equipment, all rubber-tired or crawler-mounted self-propelled scrapers, front-end loaders, dozers, graders, loaders, and tractors, with or without attachments, that are used in surface coal mines or the surface work areas of underground coal mines shall be provided with substantial falling object protective structures (FOPS).)

## sp77\_600 - Trailing cables; short-circuit protection; disconnecting devices. (FULL TEXT: Short-circuit protection for trailing cables shall be provided by an automatic circuit breaker or other no less effective device, approved by the Secretary, of adequate current-interrupting capacity in each ungrounded conductor. Disconnecting devices used to disconnect power from trailing cables shall be plainly marked and identified and such devices shall be equipped or designed in such a manner that it can be determined by visual observation that the power is disconnected.)

## sp77\_603 - Clamping of trailing cables to equipment. (FULL TEXT: Trailing cables shall be clamped to machines in a manner to protect the cables from damage and to prevent strain on the electrical connections.)

## sp77\_808 - Disconnecting devices. (FULL TEXT: Disconnecting devices shall be installed at the beginning of each branch line in high-voltage circuits and they shall be equipped or designed in such a manner that it can be determined by visual observation that the circuit is deenergized when such devices are open.)