systems described in §§ 75.1107–7, 75.1107–9, and 75.1107–10.

(l) The fire suppression device shall be operable at all times electrical power is connected to the mining machine, except during tramming when the machine is in a ventilated passageway, the water hose if used, may be switched from one hydrant to another in a reasonable time and except in systems meeting the minimum special criteria set forth in paragraph (m) of this section.

(m) Systems for attended equipment which are not continuously connected to a water supply shall not be approved unless they meet the following minimum criteria:

(1) The machine shall be equipped with a firehose at least 50 feet in length which is continuously connected to the machine-mounted portion of the system.

(2) Hydrants in proximity to the area where the machine is to be used shall be equipped with sufficient hose to reach the machine at any time it is connected to a power source.

(3) The machine shall be used only where the operator (or other person) will always be in ventilated air uncontaminated by smoke and hot gases from the machine fire while extending the machine-mounted hose to connect with the hydrant-mounted hose.

(4) The machine and hydrant hoses shall be readily accessible so that the connection between the machine-mounted hose and the hydrant hose can be made and water flow achieved in not more than 3 minutes under actual mining conditions for any location of the machine while electric power is connected.

(5) The rate of water flow at the machine shall provide a minimum of 0.12 gallon of water per minute per square foot of top surface area (excluding conveyors, cutters, and gathering heads). The water shall discharge to all hazardous locations on the machine.

(6) Hose, if used on the machine, in addition to meeting the flame resistant requirements for the cover of a hose provided in §§ 75.1107–3(b) and 75.1107–13(c) shall have a minimum burst pressure 4 times that of the static water pressure at the mining machine. Fabric braid hose shall have at least two braids, and wire braid hose shall have at least a single braid.

(7) In addition to the hose located at the hydrant (which is intended to be connected to the hose on the machine) the firefighting equipment required by § 75.1100–2(a) shall be maintained.

(8) A sufficient number of trained miners shall be kept on the section when the machine is in use to connect the machine hose to the hydrant hose and achieve water flow in not more than 3 minutes.

[37 FR 15303, July 29, 1972]

§ 75.1107–14 Guards and handrails; requirements where fire suppression devices are employed.

All unattended underground equipment provided with fire suppression devices which are mounted in dead end entries, enclosed rooms or other potentially hazardous locations shall be equipped with adequate guards at moving or rotating components. Handrails or other effective protective devices shall be installed at such locations where necessary to facilitate rapid egress from the area surrounding such equipment.

[37 FR 15303, July 29, 1972]

§ 75.1107–15 Fire suppression devices; hazards; training of miners.

Each operator shall instruct all miners normally assigned to the active workings of the mine with respect to any hazards inherent in the operation of all fire suppression devices installed in accordance with § 75.1107–1 and, where appropriate, the safeguards available at each such installation.

[37 FR 15303, July 29, 1972]

§ 75.1107–16 Inspection of fire suppression devices.

(a) All fire suppression devices shall be visually inspected at least once each week by a person qualified to make such inspections.

(b) Each fire suppression device shall be tested and maintained in accordance with the requirements specified in the appropriate National Fire Code listed as follows for the type and kind of device used:

National Fire Code No. 11A ''High Expansion Foam Systems'' (NFPA No. 11A—1970).
National Fire Code No. 13A ''Care and Maintenance of Sprinkler Systems'' (NFPA No. 13A—1971).
National Fire Code No. 15 ''Water Spray Fixed Systems for Fire Protection'' (NFPA No. 15—1969).
National Fire Code No. 17 ''Dry Chemical Extinguishing Systems'' (NFPA No. 17—1969).
National Fire Code No. 72A ''Local Protective Signaling Systems'' (NFPA No. 72A—1967).
National Fire Code No. 198 ''Care of Fire Hose'' (NFPA No. 198—1969).

(c) A record of the inspections required by this section shall be maintained by the operator. The record of the weekly inspections may be maintained at an appropriate location by each fire suppression device.

[37 FR 15304, July 29, 1972, as amended at 60 FR 33723, June 29, 1995]

§ 75.1107–17 Incorporation by reference; availability of publications.

In accordance with 5 U.S.C. 552(a), the technical publications to which reference is made in §§ 75.1107–1 through 75.1107–16, and which have been prepared by organizations other than the Bureau of Mines or the Mine Safety and Health Administration, are hereby incorporated by reference and made a part hereof. The incorporated publications are available for examination at each MSHA Coal Mine Safety and Health district office. National Fire Codes are available from the National Fire Protection Association, 11 Tracy Drive, Avon, MA 02322; Telephone: 800–344–3555 (toll free); *http://www.nfpa.org*.

[37 FR 15304, July 29, 1972, as amended at 71 FR 16669, Apr. 3, 2006]

§ 75.1108 Approved conveyor belts.

(a) Until December 31, 2009 conveyor belts placed in service in underground coal mines shall be:

(1) Approved under Part 14; or

(2) Accepted under Part 18.

(b) Effective December 31, 2009 conveyor belts placed in service in underground coal mines shall be approved under Part 14. If MSHA determines that Part 14 approved belt is not available, the Agency will consider an extension of the effective date.

(c) Effective December 31, 2018 all conveyor belts used in underground coal mines shall be approved under Part 14.

[73 FR 80616, Dec. 31, 2008]

Subpart M—Maps

§ 75.1200 Mine map.

[STATUTORY PROVISIONS]

The operator of a coal mine shall have in a fireproof repository located in an area on the surface of the mine chosen by the mine operator to minimize the danger of destruction by fire or other hazard, an accurate and up-to-date map of such mine drawn on scale. Such map shall show:

(a) The active workings;

(b) All pillared, worked out, and abandoned areas, except as provided in this section;

(c) Entries and aircourses with the direction of airflow indicated by arrows;

(d) Contour lines of all elevations;

(e) Elevations of all main and cross or side entries;

(f) Dip of the coalbed;

(g) Escapeways;

(h) Adjacent mine workings within 1,000 feet;

(i) Mines above or below;

(j) Water pools above; and

(k) Either producing or abandoned oil and gas wells located within 500 feet of such mine and any underground area of such mine; and,

(l) Such other information as the Secretary may require. Such map shall identify those areas of the mine which have been pillared, worked out, or abandoned, which are inaccessible or cannot be entered safely and on which no information is available.

§ 75.1200–1 Additional information on mine map.

Additional information required to be shown on mine maps under § 75.1200 shall include the following:

(a) Name and address of the mine;

(b) The scale and orientation of the map;

(c) The property or boundary lines of the mine;

(d) All drill holes that penetrate the coalbed being mined;