

(d) Where a person works on or around equipment, the self-rescue device may be placed in a readily accessible location on such equipment.

(e) A mine operator may apply to the District Manager under § 75.1502 for permission to place the SCSR more than 25 feet away.

(1) The District Manager shall consider the following factors in deciding whether to permit an operator to place a SCSR more than 25 feet from a miner:

- (i) Distance from affected sections to surface,
- (ii) Pitch of seam in affected sections,
- (iii) Height of coal seam in affected sections,
- (iv) Location of escapeways,
- (v) Proposed location of SCSRs,
- (vi) Type of work performed by affected miners,
- (vii) Degree of risk to which affected miners are exposed,
- (viii) Potential for breaking into oxygen deficient atmospheres,
- (ix) Type of risk to which affected miners are exposed,
- (x) Accident history of mine, and
- (xi) Other matters bearing upon the safety of miners.

(2) Such application shall not be approved by the District Manager unless it provides that, while underground, all miners whose SCSR is more than 25 feet away shall have a FSR approved by MSHA and NIOSH under 42 CFR part 84 sufficient to enable each miner to get to a SCSR.

(3) An operator may not obtain permission under paragraph (e) of this section to place SCSRs more than 25 feet away from miners on trips into and out of the mine.

(f) If an SCSR is not carried out of the mine at the end of a miner's shift, the place of storage shall be approved by the District Manager. A sign made of reflective material with the word "SCSRs" or "SELF-RESCUERS" shall be conspicuously posted at each SCSR storage location. Direction signs made of a reflective material shall be posted leading to each storage location.

(g) Where devices of not less than 10 minutes and 1 hour are made available in accordance with § 75.1714-1(b), such

devices shall be used and located as follows:

(1) Except as provided in paragraphs (c) and (d) of this section, the device of not less than 10 minutes shall be worn or carried at all times by each person when underground, and

(2) The one-hour canister shall be available at all times to all persons when underground in accordance with a plan submitted by the mine operator and approved by the District Manager. When the one-hour canister is placed in a storage location, a sign made of a reflective material with the word "SCSRs" or "SELF-RESCUERS" shall be conspicuously posted at each storage location. Direction signs made of a reflective material shall be posted leading to each storage location.

[43 FR 54246, Nov. 21, 1978, as amended at 60 FR 30401, June 8, 1995; 69 FR 8108, Feb. 23, 2004; 71 FR 12270, Mar. 9, 2006; 71 FR 71454, Dec. 8, 2006]

§ 75.1714-3 Self-rescue devices; inspection, testing, maintenance, repair, and recordkeeping.

(a) Each operator shall provide for proper inspection, testing, maintenance, and repair of self-rescue devices by a person trained to perform such functions.

(b) After each time a self-rescue device is worn or carried by a person, the device shall be inspected for damage and for the integrity of its seal by a person trained to perform this function. Self-rescue devices with broken seals or which are damaged so that the device will not function properly shall be removed from service.

(c) All FSRs approved by MSHA and NIOSH under 42 CFR part 84, except devices using vacuum containers as the only method of sealing, shall be tested at intervals not exceeding 90 days by weighing each device on a scale or balance accurate to within +1 gram. A device that weighs more than 10 grams over its original weight shall be removed from service.

(d) All SCSRs approved by MSHA and NIOSH under 42 CFR part 84 shall be tested in accordance with instructions approved by MSHA and NIOSH. Any device which does not meet the specified test requirements shall be removed from service.

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(e) At the completion of each test required by paragraphs (c) and (d) of this section the person making the tests shall certify by signature and date that the tests were done. This person shall make a record of all corrective action taken. Certifications and records shall be kept at the mine and made available on request to an authorized representative of the Secretary.

(f) Self-rescue devices removed from service shall be repaired for return to service only by a person trained to perform such work and only in accordance with the manufacturer's instructions.

[43 FR 54246, Nov. 21, 1978, as amended at 47 FR 14706, Apr. 6, 1982; 56 FR 1478, Jan. 14, 1991; 60 FR 30402, June 8, 1995; 60 FR 33723, June 29, 1995]

§ 75.1714-4 Additional self-contained self-rescuers (SCSRs).

(a) *Additional SCSRs in work places.* In addition to the requirements in §§ 75.1714, 75.1714-1, 75.1714-2, and 75.1714-3 of this part, the mine operator shall provide the following:

(1) At least one additional SCSR, which provides protection for a period of one hour or longer, for each person at a fixed underground work location.

(2) Additional SCSRs along the normal travel routes for pumpers, examiners, and other persons who do not have a fixed work location to be stored at a distance an average miner could walk in 30 minutes. The SCSR storage locations shall be determined by using one of the methods found under paragraph (c)(2) of this section.

(b) *Additional SCSRs on mantrips.* If a mantrip or mobile equipment is used to enter or exit the mine, at least one additional SCSR, which provides protection for a period of one hour or longer, shall be available for each person who uses such transportation from portal to portal.

(c) *Additional SCSRs in escapeways.* When each person underground cannot safely evacuate the mine within 30 minutes, the mine operator shall provide additional SCSRs stored in each required escapeway.

(1) Each storage location shall contain at least one SCSR, which provides protection for a period of one hour or longer, for every person who will be in by that location.

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(2) Storage locations shall be spaced along each escapeway at 30-minute travel distances no greater than the distances determined by—

(i) Calculating the distance an average miner walks in 30 minutes by using the time necessary for each miner in a sample of typical miners to walk a typical length of each escapeway; or

(ii) Using the SCSR storage location spacing specified in the following table, except for escapeways with grades over 5 percent.

Average entry height	Maximum distance between SCSR storage locations (in ft.)
<40 in. (Crawl)	2,200
>40–<50 in. (Duck Walk)	3,300
>50–<65 in. (Walk Head Bent)	4,400
>65 in. (Walk Erect)	5,700

(d) *Additional SCSRs in hardened rooms.* As an alternative to providing SCSR storage locations in each escapeway, the mine operator may store SCSRs in a hardened room located between adjacent escapeways.

(1) The hardened room shall be designed and constructed to the same explosion force criteria as seals.

(2) The hardened room shall include a means to provide independent, positive pressure ventilation from the surface during an emergency.

(3) The District Manager shall approve the design and construction of hardened rooms in the ventilation plan.

(4) These SCSR storage locations shall be spaced in accordance with paragraph (c) of this section.

(e) *Storage location accessibility.* All SCSRs required under this section shall be stored according to the manufacturers' instructions, in conspicuous locations readily accessible by each person in the mine.

(f) *Storage location signs.* A sign made of reflective material with the words "SCSRs" or "SELF-RESCUERS" shall be conspicuously posted at each storage location. Direction signs made of a reflective material shall be posted leading to each storage location.

[71 FR 71454, Dec. 8, 2006]