

§ 48.6

(10) *Electrical hazards.* The course shall include recognition and avoidance of electrical hazards.

(11) *First aid.* The course shall include instruction in first aid methods acceptable to MSHA.

(12) *Mine gases.* The course shall include instruction in the detection and avoidance of hazards associated with mine gases.

(13) *Health and safety aspects of the tasks to which the new miner will be assigned.* The course shall include instruction in the health and safety aspects of the tasks to be assigned, including the safe work procedures of such tasks, the mandatory health and safety standards pertinent to such tasks, information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program.

(14) Such other courses as may be required by the District Manager based on circumstances and conditions at the mine.

(c) Methods, including oral, written, or practical demonstration, to determine successful completion of the training shall be included in the training plan. The methods for determining such completion shall be administered to the miner before he is assigned work duties.

(d) A newly employed miner who has less than 12 months of mining experience and has received the courses and hours of instruction in paragraphs (a) and (b) of this section, within 36 months preceding employment at a mine, does not have to repeat this training. Before the miner starts work, the operator must provide the miner with the experienced miner training in § 48.6(b) of this part and, if applicable, the new task training in § 48.7 of this part. The operator must also provide the miner with annual refresher training and additional new task training, as applicable.

(e) Coal miners receiving training under this section shall participate in the next drill as required in §§ 75.383(b)

30 CFR Ch. I (7-1-06 Edition)

or 75.1502(c) of this chapter, as applicable.

[43 FR 47459, Oct. 13, 1978, as amended at 47 FR 23640, May 28, 1982; 53 FR 10335, Mar. 30, 1988; 63 FR 53760, Oct. 6, 1998; 67 FR 42388, June 21, 2002; 71 FR 12268, Mar. 9, 2006]

§ 48.6 Experienced miner training.

(a) Except as provided in paragraph (e), this section applies to experienced miners who are—

(1) Newly employed by the operator;

(2) Transferred to the mine;

(3) Experienced underground miners transferred from surface to underground; or

(4) Returning to the mine after an absence of more than 12 months.

(b) 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. The training must include the following instruction:

(1) *Introduction to work environment.* The course shall include a visit and tour of the mine. The methods of mining utilized at the mine shall be observed and explained.

(2) *Mandatory health and safety standards.* The course shall include the mandatory health and safety standards pertinent to the tasks to be assigned.

(3) *Authority and responsibility of supervisors and miners' representatives.* The course shall include a review and description of the line of authority of supervisors and miners' representatives and the responsibilities of such supervisors and miners' representatives; and an introduction to the operator's rules and the procedures for reporting hazards.

(4) *Entering and leaving the mine; transportation; communications.* The course shall include instruction in the procedures in effect for entering and leaving the mine; the check-in and checkout system in effect at the mine; the procedures for riding on and in mine conveyances; the controls in effect for the transportation of miners and materials; and the use of the mine communication systems, warning signals, and directional signs.

(5) *Mine map; escapeways; emergency evacuation; barricading.* The program of

instruction for mine emergency evacuation and firefighting approved by the District Manager under 30 CFR 75.1502(a) or the escape and evacuation plan under 30 CFR 57.11053, as applicable, shall be used for this course. The course shall include a review of the mine map; the escapeway system; the escape, firefighting, and emergency evacuation plans in effect at the mine; and the location of abandoned areas; and, where applicable, methods of barricading and the locations of barricading materials.

(6) *Roof or ground control and ventilation plans.* The course shall include an introduction to and instruction on the roof or ground control plan in effect at the mine and procedures for roof and rib or ground control; and an introduction to and instruction on the ventilation plan in effect at the mine and the procedures for maintaining and controlling ventilation.

(7) *Hazard recognition.* The course must include the recognition and avoidance of hazards present in the mine.

(8) *Prevention of accidents.* The course must include a review of the general causes of accidents applicable to the mine environment, causes of specific accidents at the mine, and instruction in accident prevention in the work environment.

(9) *Emergency medical procedures.* The course must include instruction on the mine's emergency medical arrangements and the location of the mine's first aid equipment and supplies.

(10) *Health.* The course must include instruction on the purpose of taking dust, noise, and other health measurements, where

(11) *Health and safety aspects of the tasks to which the experienced miner is assigned.* The course must include instruction in the health and safety aspects of the tasks assigned, including the safe work procedures of such tasks, information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program. Experienced miners who must complete new task training under § 48.7 do not need to take training under this paragraph.

(12) *Self-rescue and respiratory devices.* The course shall be given before the miner goes underground and shall include instruction and demonstration in the use, care, and maintenance of self-rescue and respiratory devices used at the mine. This training shall include:

(i) For the use of self-contained self-rescue (SCSR) devices: Hands-on training in the complete donning of all types of SCSRs used at the mine, which includes assuming a donning position, opening the device, activating the device, inserting the mouthpiece or simulating this task while explaining proper insertion of the mouthpiece, and putting on the nose clip; and

(ii) Hands-on training in transferring from one self-rescue device to an SCSR.

(13) Such other courses as may be required by the District Manager based on circumstances and conditions at the mine.

(c) The operator may include instruction on additional safety and health subjects based on circumstances and conditions at the mine.

(d) The training time spent on individual subjects must vary depending upon the training needs of the miners.

(e) Any miner returning to the same mine, following an absence of 12 months or less, must receive training on any major changes to the mine environment that have occurred during the miner's absence and that could adversely affect the miner's health or safety.

(1) A person designated by the operator who is knowledgeable of these changes must conduct the training in this paragraph. An MSHA approved instructor is not required to conduct the training outlined in this paragraph.

(2) No record of this training is required.

(3) The miner must also complete annual refresher training as required in § 48.8, if the miner missed taking that training during the absence.

(f) Coal miners receiving training under this section shall participate in the next drill as required in §§ 75.383(b)

§ 48.7

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or 75.1502(c) of this chapter, as applicable.

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§ 48.7 Training of miners assigned to a task in which they have had no previous experience; minimum courses of instruction.

(a) Miners assigned to new work tasks as mobile equipment operators, drilling machine operators, haulage and conveyor systems operators, roof and ground control machine operators, and those in blasting operations shall not perform new work tasks in these categories until training prescribed in this paragraph and paragraph (b) of this section has been completed. This training shall not be required for miners who have been trained and who have demonstrated safe operating procedures for such new work tasks within 12 months preceding assignment. This training shall also not be required for miners who have performed the new work tasks and who have demonstrated safe operating procedures for such new work tasks within 12 months preceding assignment. The training program shall include the following:

(1) *Health and safety aspects and safe operating procedures for work tasks, equipment, and machinery.* The training shall include instruction in the health and safety aspects and the safe operating procedures related to the assigned tasks, including information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program. The training shall be given in an on-the-job environment; and

(2)(i) *Supervised practice during non-production.* The training shall include supervised practice in the assigned tasks, and the performance of work duties at times or places where production is not the primary objective; on

(ii) *Supervised operation during production.* The training shall include, while under direct and immediate supervision and production is in progress,

operation of the machine or equipment and the performance of work duties.

(3) *New or modified machines and equipment.* Equipment and machine operators shall be instructed in safe operating procedures applicable to new or modified machines or equipment to be installed or put into operation in the mine, which require new or different operating procedures.

(4) Such other courses as may be required by the District Manager based on circumstances and conditions at the mine.

(b) Miners under paragraph (a) of this section shall not operate the equipment or machine or engage in blasting operations without direction and immediate supervision until such miners have demonstrated safe operating procedures for the equipment or machine or blasting operation to the operator or the operator's agent.

(c) Miners assigned a new task not covered in paragraph (a) of this section shall be instructed in the safety and health aspects and safe work procedures of the task, including information about the physical and health hazards of chemicals in the miner's work area, the protective measures a miner can take against these hazards, and the contents of the mine's HazCom program, prior to performing such task.

(d) Any person who controls or directs haulage operations at a mine shall receive and complete training courses in safe haulage procedures related to the haulage system, ventilation system, firefighting procedures, and emergency evacuation procedures in effect at the mine before assignment to such duties.

(e) All training and supervised practice and operation required by this section shall be given by a qualified trainer, or a supervisor experienced in the assigned tasks, or other person experienced in the assigned tasks.

[43 FR 47459, Oct. 13, 1978, as amended at 44 FR 1980, Jan. 9, 1979; 47 FR 23640, May 28, 1982; 67 FR 42388, June 21, 2002]

§ 48.8 Annual refresher training of miners; minimum courses of instruction; hours of instruction.

(a) Each miner shall receive a minimum of 8 hours of annual refresher training as prescribed in this section.