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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.

(b) The annual refresher training program for all miners shall include the following courses of instruction:

(1) *Mandatory health and safety standards.* The course shall include mandatory health and safety standard requirements which are related to the miner's tasks.

(2) *Transportation controls and communication systems.* The course shall include instruction on 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.

(3) *Barricading.* The course shall include a review of the methods of barricading and locations of barricading materials, where applicable.

(4) *Roof or ground control, ventilation, emergency evacuation and firefighting.*

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*plans.* The course shall include a review of roof or ground control plans in effect at the mine and the procedures for maintaining and controlling ventilation. In addition, for underground coal mines, except for miners who receive this training under 30 CFR 75.1504, the course shall include a review of the emergency evacuation and firefighting program of instruction in effect at the mine.

(5) *First aid.* The course shall include a review of first aid methods acceptable to MSHA.

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

(7) *Prevention of accidents.* The course shall include a review of accidents and causes of accidents, and instruction in accident prevention in the work environment.

(8) *Self-rescue and respiratory devices.* The course shall include instruction and demonstration in the use, care, and maintenance of self-rescue and respiratory devices used at the mine. In addition, except for miners who receive this training under 30 CFR 75.1504, the training for self-contained self-rescue (SCSR) devices shall include:

(i) Hands-on training in the complete donning of all types of self-contained self-rescue devices used at the mine, which includes assuming a donning position, opening the device, activating the device, inserting the mouthpiece, and putting on the nose clip; and

(ii) Hands-on training in transferring between all applicable self-rescue devices.

(9) *Explosives.* The course shall include a review and instruction on the hazards related to explosives. The only exception to this course component is when there are no explosives used or stored on the mine property.

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

(11) *Health.* The course shall include instruction on the purpose of taking dust, noise, and other health measurements and any health control plan in effect at the mine shall be explained. The health provisions of the Act and warning labels shall also be explained.

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

(c) Refresher training may include other health and safety subjects that are relevant to mining operations at the mine. Recommended subjects include, but are not limited to, 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.

(d) All persons employed as shaft or slope construction workers on June 28, 2006 must receive annual refresher training within 12 months of June 2006.

(e) Where annual refresher training is conducted periodically, such sessions shall not be less than 30 minutes of actual instruction time and the miners shall be notified that the session is part of annual refresher training.

[43 FR 47459, Oct. 13, 1978, as amended at 47 FR 23640, May 28, 1982; 53 FR 10336, Mar. 30, 1988; 63 FR 53760, Oct. 6, 1998; 67 FR 42389, June 21, 2002; 67 FR 76665, Dec. 12, 2002; 68 FR 53049, Sept. 9, 2003; 71 FR 12269, Mar. 9, 2006; 70 FR 77727, Dec. 30, 2005; 71 FR 71451, Dec. 8, 2006]

### § 48.9 Records of training.

(a) Upon a miner's completion of each MSHA approved training program, the operator shall record and certify on MSHA form 5000–23 that the miner has received the specified training. A copy of the training certificate shall be given to the miner at the completion of the training. The training certificates for each miner shall be available at the minesite for inspection by MSHA and for examination by the miners, the miner's representative, and State inspection agencies. When a miner leaves the operator's employ, the miner shall be entitled to a copy of his training certificates.

(b) False certification that training was given shall be punishable under section 110 (a) and (f) of the Act.

(c) Copies of training certificates for currently employed miners shall be kept at the minesite for 2 years, or for