

MeV (million electron volts) of potential alpha energy, and exposure to these radon daughters over a period of time is expressed in terms of "working level months" (WLM). Inhalation of air containing a radon daughter concentration of 1 WL for 173 hours results in an exposure of 1 WLM."

*Working place* means any place in or about a mine where work is being performed.

[50 FR 4082, Jan. 29, 1985, as amended at 50 FR 20100, May 14, 1985; 53 FR 32526, Aug. 25, 1988; 60 FR 35695, July 11, 1995]

PROCEDURES

**§ 57.1000 Notification of commencement of operations and closing of mines.**

The owner, operator, or person in charge of any metal and nonmetal mine shall notify the nearest Mine Safety and Health Administration Metal and Nonmetal Mine Safety and Health District Office before starting operations, of the approximate or actual date mine operation will commence. The notification shall include the mine name, location, the company name, mailing address, person in charge, and whether operations will be continuous or intermittent. When any mine is closed, the person in charge shall notify the nearest subdistrict office as provided above and indicate whether the closure is temporary or permanent.

[51 FR 36198, Oct. 8, 1986, as amended at 60 FR 33723, June 29, 1995; 60 FR 35695, July 11, 1995]

**Subpart B—Ground Control**

AUTHORITY: 30 U.S.C. 811.

SOURCE: 51 FR 36198, Oct. 8, 1986, unless otherwise noted.

**§ 57.3000 Definitions.**

The following definitions apply in this subpart.

*Rock burst.* A sudden and violent failure of overstressed rock resulting in the instantaneous release of large amounts of accumulated energy. Rock burst does not include a burst resulting from pressurized mine gases.

*Rock fixture.* Any tensioned or non-tensioned device or material inserted

into the ground to strengthen or support the ground.

*Travelway.* A passage, walk, or haulageway regularly used or designated for persons to go from one place to another.

SCALING AND SUPPORT—SURFACE AND UNDERGROUND

**§ 57.3200 Correction of hazardous conditions.**

Ground conditions that create a hazard to persons shall be taken down or supported before other work or travel is permitted in the affected area. Until corrective work is completed, the area shall be posted with a warning against entry and, when left unattended, a barrier shall be installed to impede unauthorized entry.

**§ 57.3201 Location for performing scaling.**

Scaling shall be performed from a location which will not expose persons to injury from falling material, or other protection from falling material shall be provided.

**§ 57.3202 Scaling tools.**

Where manual scaling is performed, a scaling bar shall be provided. This bar shall be of a length and design that will allow the removal of loose material without exposing the person performing the work to injury.

**§ 57.3203 Rock fixtures.**

(a) For rock bolts and accessories addressed in ASTM F432-95, "Standard Specification for Roof and Rock Bolts and Accessories," the mine operator shall—

- (1) Obtain a manufacturer's certification that the material was manufactured and tested in accordance with the specifications of ASTM F432-95; and
- (2) Make this certification available to an authorized representative of the Secretary and to the representative of miners.

(b) Fixtures and accessories not addressed in ASTM F432-95 may be used for ground support provided they—

- (1) Have been successful in supporting the ground in an area with