

§ 56.20013 Waste receptacles.

Receptacles with covers shall be provided at suitable locations and used for the disposal of waste food and associated materials. They shall be emptied frequently and shall be maintained in a clean and sanitary condition.

§ 56.20014 Prohibited areas for food and beverages.

No person shall be allowed to consume or store food or beverages in a toilet room or in any area exposed to a toxic material.

PART 57—SAFETY AND HEALTH STANDARDS—UNDERGROUND METAL AND NONMETAL MINES

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SCALING AND SUPPORT—UNDERGROUND ONLY

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- 57.22106 Dust containing volatile matter (I-C mines).

VENTILATION

- 57.22201 Mechanical ventilation (I-A, I-B, I-C, II-A, II-B, III, IV, V-A, and V-B mines).
- 57.22202 Main fans (I-A, I-B, I-C, II-A, III, V-A, and V-B mines).
- 57.22203 Main fan operation (I-C mines).
- 57.22204 Main fan operation and inspection (I-A, II-A, III, and V-A mines).
- 57.22205 Doors on main fans (I-A, II-A, III, and V-A mines).

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- 57.22206 Main ventilation failure (I-A, II-A, III, and V-A mines).
- 57.22207 Booster fans (I-A, II-A, III, and V-A mines).
- 57.22208 Auxiliary fans (I-A, II-A, III, and V-A mines).
- 57.22209 Auxiliary fans (I-C mines).
- 57.22210 In-line filters (I-C mines).
- 57.22211 Air flow (I-A mines).
- 57.22212 Air flow (I-C, II-A, and V-A mines).
- 57.22213 Air flow (III mines).
- 57.22214 Changes in ventilation (I-A, II-A, III, and V-A mines).
- 57.22215 Separation of intake and return air (I-A, II-A, III, and V-A mines).
- 57.22216 Separation of intake and return air (I-C mines).
- 57.22217 Seals and stoppings (I-A, I-B and I-C mines).
- 57.22218 Seals and stoppings (III, V-A, and V-B mines).
- 57.22219 Seals and stoppings (II-A mines).
- 57.22220 Air passing unsealed areas (I-A, II-A, III, and V-A mines).
- 57.22221 Overcast and undercast construction (I-A, II-A, III, and V-A mines).
- 57.22222 Ventilation materials (I-A, I-B, I-C, II-A, III, V-A, and V-B mines).
- 57.22223 Crosscuts before abandonment (III mines).
- 57.22224 Auxiliary equipment stations (I-A and III mines).
- 57.22225 Auxiliary equipment stations (I-C mines).
- 57.22226 Testing for methane (IV mines).
- 57.22227 Approved testing devices (I-A, I-B, I-C, II-A, II-B, III, IV, V-A, and V-B mines).
- 57.22228 Preshift examination (I-A, I-C, II-A, III, and V-A mines).
- 57.22229 Weekly testing (I-A, III, and V-A mines).
- 57.22230 Weekly testing (II-A mines).
- 57.22231 Actions at 0.25 percent methane (I-B, II-B, V-B and VI mines).
- 57.22232 Actions at 0.5 percent methane (I-B, II-A, II-B, IV, V-B, and VI mines).
- 57.22233 Actions at 0.5 percent methane (I-C mines).
- 57.22234 Actions at 1.0 percent methane (I-A, I-B, III, V-A, and V-B mines).
- 57.22235 Actions at 1.0 percent methane (I-C, II-A, II-B, and IV mines).
- 57.22236 Actions at 1.0 percent methane (VI mines).
- 57.22237 Actions at 2.0 to 2.5 percent methane in bleeder systems (I-A and III mines).
- 57.22238 Actions at 2.0 percent methane (I-B, II-B, V-B, and VI mines).
- 57.22239 Actions at 2.0 percent methane (IV mines).
- 57.22240 Actions at 2.0 percent methane (V-A mines).
- 57.22241 Advance face boreholes (I-C mines).

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EQUIPMENT

- 57.22301 Atmospheric monitoring systems (I-A, II-A, and V-A mines).
- 57.22302 Approved equipment (I-A and V-A mines).
- 57.22303 Approved equipment (I-C mines).
- 57.22304 Approved equipment (II-A mines).
- 57.22305 Approved equipment (III mines).
- 57.22306 Methane monitors (I-A mines).
- 57.22307 Methane monitors (II-A mines).
- 57.22308 Methane monitors (III mines).
- 57.22309 Methane monitors (V-A mines).
- 57.22310 Electrical cables (I-C mines).
- 57.22311 Electrical cables (II-A mines).
- 57.22312 Distribution boxes (II-A and V-A mines).
- 57.22313 Explosion-protection systems (I-C mines).
- 57.22314 Flow-control devices (V-A and V-B mines).
- 57.22315 Self-contained breathing apparatus (V-A mines).

UNDERGROUND RETORTS

- 57.22401 Underground retorts (I-A and I-B mines).

ILLUMINATION

- 57.22501 Personal electric lamps (I-A, I-B, I-C, II-A, II-B, III, IV, V-A, and V-B mines).

EXPLOSIVES

- 57.22601 Blasting from the surface (I-A mines).
- 57.22602 Blasting from the surface (I-C mines).
- 57.22603 Blasting from the surface (II-A mines).
- 57.22604 Blasting from the surface (II-B mines).
- 57.22605 Blasting from the surface (V-A mines).
- 57.22606 Explosive materials and blasting units (III mines).
- 57.22607 Blasting on shift (III mines).
- 57.22608 Secondary blasting (I-A, II-A, and V-A mines).

APPENDIX I TO SUBPART T—STANDARD APPLICABILITY BY CATEGORY OR SUBCATEGORY

AUTHORITY: 30 U.S.C. 811.

SOURCE: 50 FR 4082, Jan. 29, 1985, unless otherwise noted.

Subpart A—General

§ 57.1 Purpose and scope.

This part 57 sets forth mandatory safety and health standards for each underground metal or nonmetal mine, including related surface operations, subject to the Federal Mine Safety and Health Act of 1977. The purpose of

these standards is the protection of life, the promotion of health and safety, and the prevention of accidents.

§ 57.2 Definitions.

The following definitions apply to this part. In addition definitions contained in any subpart of part 57 apply in that subpart. If inconsistent with the general definitions in this section, the definition in the subpart will apply in that subpart:

Abandoned areas means areas in which work has been completed, no further work is planned, and travel is not permitted.

Abandoned mine means all work has stopped on the mine premises and an office with a responsible person in charge is no longer maintained at the mine.

Abandoned workings means deserted mine areas in which further work is not intended.

Active workings means areas at, in, or around a mine or plant where men work or travel.

American Table of Distances means the current edition of "The American Table of Distances for Storage of Explosives" published by the Institute of Makers of Explosives.

Approved means tested and accepted for a specific purpose by a nationally recognized agency.

Attended means presence of an individual or continuous monitoring to prevent unauthorized entry or access. In addition, areas containing explosive material at underground areas of a mine can be considered attended when all access to the underground areas of the mine is secured from unauthorized entry. Vertical shafts shall be considered secure. Inclined shafts or adits shall be considered secure when locked at the surface.

Authorized person means a person approved or assigned by mine management to perform a specific type of duty or duties or to be at a specific location or locations in the mine.

Auxiliary fan means a fan used to deliver air to a working place off the main airstream; generally used with ventilation tubing.

Barricaded means obstructed to prevent the passage of persons, vehicles, or flying materials.

Barrier means a material object, or objects that separates, keeps apart, or demarcates in a conspicuous manner such as cones, a warning sign, or tape.

Berm means a pile or mound of material along an elevated roadway capable of moderating or limiting the force of a vehicle in order to impede the vehicle's passage over the bank of the roadway.

Blast area means the area in which concussion (shock wave), flying material, or gases from an explosion may cause injury to persons. In determining the blast area, the following factors, shall be considered:

- (1) Geology or material to be blasted.
- (2) Blast pattern.
- (3) Burden, depth, diameter, and angle of the holes.
- (4) Blasting experience of the mine.
- (5) Delay system, powder factor, and pounds per delay.
- (6) Type and amount of explosive material.
- (7) Type and amount of stemming.

Blast site means the area where explosive material is handled during loading, including the perimeter formed by the loaded blastholes and 50 feet (15.2 meters) in all directions from loaded holes. A minimum distance of 30 feet (9.1 meters) may replace the 50-foot (15.2-meter) requirement if the perimeter of loaded holes is demarcated with a barrier. The 50-foot (15.2-meter) and alternative 30-foot (9.1-meter) requirements also apply in all directions along the full depth of the hole. In underground mines, at least 15 feet (4.6 meters) of solid rib, pillar, or broken rock can be substituted for the 50-foot (15.2-meter) distance. In underground mines utilizing a block-caving system or similar system, at least 6 feet (1.8 meters) of solid rib or pillar, including concrete reinforcement of at least 10 inches (254 millimeters), with overall dimensions of not less than 6 feet (1.8 meters) may be substituted for the 50-foot (15.2-meter) distance requirement.

Blasting agent means any substance classified as a blasting agent by the Department of Transportation in 49 CFR 173.114(a) (44 FR 31182, May 31, 1979) which is incorporated by reference. This document is available for inspection at each Metal and Nonmetal Mine Safety and Health District Office