

Mine Safety and Health Admin., Labor

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(e) Blast holes shall be stemmed with a noncombustible material in an amount to confine the explosive charge. Breakthrough holes shall be stemmed at both ends.

(f) Mudcaps or other nonapproved unconfined shots shall not be blasted.

(g)(1) Blasting units shall be approved by MSHA under 30 CFR part 25; or

(2) Blasting units used to fire more than 20 detonators shall provide at least 2 amperes through each detonator but not more than an average of 100 amperes through one ohm for 10 milliseconds, and provide the necessary current for at least the first 5 milliseconds with a cutoff not to exceed 10 milliseconds.

[52 FR, 24941, July 1, 1987, as amended at 52 FR 41397, Oct. 27, 1987]

§ 57.22607 Blasting on shift (III mines).

When blasting on shift, tests for methane shall be made in the mine atmosphere by a competent person before blasting. Blasting shall not be done when 1.0 percent or more methane is present.

§ 57.22608 Secondary blasting (I-A, II-A, and V-A mines).

Prior to secondary blasting, tests for methane shall be made in the mine atmosphere at blast sites by a competent person. Secondary blasting shall not be done when 0.5 percent or more methane is present.

**APPENDIX I TO SUBPART T OF PART 57—
STANDARD APPLICABILITY BY CATEGORY OR SUBCATEGORY**

Subcategory I-A

57.22101	57.22222
57.22103	57.22224
57.22201	57.22227
57.22202	57.22228
57.22204	57.22229
57.22205	57.22234
57.22206	57.22237
57.22207	57.22301
57.22208	57.22302
57.22211	57.22306
57.22214	57.22401
57.22215	57.22501
57.22217	57.22601
57.22220	57.22608
57.22221	

57.22201	57.22232
57.22202	57.22234
57.22217	57.22238
57.22222	57.22401
57.22227	57.22501
57.22231	

Subcategory I-B

Subcategory I-C

57.22102	57.22225
57.22104	57.22227
57.22106	57.22228
57.22201	57.22233
57.22202	57.22235
57.22203	57.22241
57.22209	57.22303
57.22210	57.22310
57.22212	57.22313
57.22216	57.22501
57.22217	57.22602
57.22222	

Subcategory II-A

57.22101	57.22222
57.22103	57.22227
57.22201	57.22228
57.22202	57.22230
57.22204	57.22232
57.22205	57.22235
57.22206	57.22301
57.22207	57.22304
57.22208	57.22307
57.22212	57.22307
57.22214	57.22311
57.22215	57.22312
57.22219	57.22501
57.22220	57.22603
57.22221	57.22608

Subcategory II-B

57.22201	57.22235
57.22227	57.22238
57.22231	57.22501
57.22232	57.22604

Category III

57.22101	57.22221
57.22103	57.22222
57.22201	57.22223
57.22202	57.22224
57.22204	57.22227
57.22205	57.22228
57.22206	57.22229
57.22207	57.22234
57.22208	57.22237
57.22213	57.22305
57.22214	57.22308
57.22215	57.22501
57.22218	57.22606
57.22218	57.22607
57.22220	

Category IV

57.22105	57.22226
57.22201	57.22227

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57.22232 57.22239
57.22235 57.22501

AUTHORITY: 30 U.S.C. 811, 957, 961.

SOURCE: 59 FR 8327, Feb. 18, 1994, unless otherwise noted.

Subcategory V-A

57.22101 57.22222
57.22103 57.22227
57.22201 57.22228
57.22202 57.22229
57.22204 57.22234
57.22205 57.22240
57.22206 57.22301
57.22207 57.22302
57.22208 57.22309
57.22212 57.22312
57.22214 57.22314
57.22215 57.22315
57.22218 57.22501
57.22220 57.22605
57.22221 57.22608

Subcategory V-B

57.22201 57.22232
57.22202 57.22234
57.22218 57.22238
57.22222 57.22314
57.22227 57.22501
57.22231

Category VI

57.22231 57.22236
57.22232 57.22238

PART 58—HEALTH STANDARDS FOR METAL AND NONMETAL MINES

Subpart A—General

Sec.
58.1 Scope.

Subparts B–D [Reserved]

Subpart E—Miscellaneous

58.610 Abrasive blasting.
58.620 Drill dust control.

Subpart A—General

§ 58.1 Scope.

The health standards in this part apply to all metal and nonmetal mines.

Subparts B–D [Reserved]

Subpart E—Miscellaneous

§ 58.610 Abrasive blasting.

(a) *Surface and underground mines.* When an abrasive blasting operation is performed, all exposed miners shall use in accordance with 30 CFR 56.5005 or 57.5005 respirators approved for abrasive blasting by NIOSH under 42 CFR part 84, or the operation shall be performed in a totally enclosed device with the miner outside the device.

(b) *Underground areas of underground mines.* Silica sand or other materials containing more than 1 percent free silica shall not be used as an abrasive substance in abrasive blasting.

[59 FR 8327, Feb. 18, 1994, as amended at 60 FR 30401, June 8, 1995]

§ 58.620 Drill dust control.

Holes shall be collared and drilled wet, or other effective dust control measures shall be used, when drilling non-water-soluble material. Effective dust control measures shall be used when drilling water-soluble materials.

SUBCHAPTER L [RESERVED]