

## Mine Safety and Health Admin., Labor

## § 27.2

201B, Industrial Park Road, Dallas Pike, Triadelphia, W. Va. 26059 requesting an extension of his original approval and stating the change or changes desired. With this request, he should submit a revised drawing or drawings showing the changes in detail, together with one of each of the parts affected.

(b) MSHA will consider the application and inspect the drawings and parts to determine whether it will be necessary to make any tests.

(c) If no tests are necessary, and the change meets the requirements, the applicant will be officially advised by MSHA that his original approval has been extended to include the change.

(d) If tests are judged necessary, the applicant will be advised of the material that will be required. In this case extension of approval will be granted upon satisfactory completion of the tests and full compliance with the requirements.

[Sched. 9B, 4 FR 1555, Apr. 11, 1939, as amended by Supp. 1, 20 FR 2975, May 4, 1955; 43 FR 12315, Mar. 24, 1978; 52 FR 17514, May 8, 1987]

### PART 27—METHANE-MONITORING SYSTEMS

#### Subpart A—General Provisions

Sec.

- 27.1 Purpose.
- 27.2 Definitions.
- 27.3 Consultation.
- 27.4 Applications.
- 27.5 Letter of certification.
- 27.6 Certification of components.
- 27.7 Certification plate or label.
- 27.8 [Reserved]
- 27.9 Date for conducting tests.
- 27.10 Conduct of investigations, tests, and demonstrations.
- 27.11 Extension of certification.
- 27.12 Withdrawal of certification.

#### Subpart B—Construction and Design Requirements

- 27.20 Quality of material, workmanship, and design.
- 27.21 Methane-monitoring system.
- 27.22 Methane detector component.
- 27.23 Automatic warning device.
- 27.24 Power-shutoff component.

#### Subpart C—Test Requirements

- 27.30 Inspection.
- 27.31 Testing methods.

- 27.32 Tests to determine performance of the system.
- 27.33 Tests to determine explosion-proof construction.
- 27.34 Test for intrinsic safety.
- 27.35 Tests to determine life of critical components and subassemblies.
- 27.36 Test for adequacy of electrical insulation and clearances.
- 27.37 Tests to determine adequacy of safety devices for bulbs.
- 27.38 Tests to determine adequacy of windows and lenses.
- 27.39 Tests to determine resistance to vibration.
- 27.40 Test to determine resistance to dust.
- 27.41 Tests to determine resistance to moisture.

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

SOURCE: 31 FR 10607, Aug. 9, 1966, unless otherwise noted.

### Subpart A—General Provisions

#### § 27.1 Purpose.

The regulations in this part set forth the requirements for methane-monitoring systems or components thereof to procure certification for their incorporation in or with permissible equipment that is used in gassy mines, tunnels, or other underground workings and procedures for applying for such certification.

[31 FR 10607, Aug. 9, 1966, as amended at 52 FR 17515, May 8, 1987]

#### § 27.2 Definitions.

As used in this part:

(a) *MSHA* means the United States Department of Labor, Mine Safety and Health Administration.

(b) *Applicant* means an individual, partnership, company, corporation, association, or other organization that designs, manufactures, or assembles and that seeks certification or preliminary testing of a methane-monitoring system or component.

(c) *Methane-monitoring system* means a complete assembly of one or more methane detectors and all other components required for measuring and signalling the presence of methane in the atmosphere of a mine, tunnel, or other underground workings, and shall include a power-shutoff component.

(d) *Methane detector* means a component for a methane-monitoring system that functions in a gassy mine, tunnel,