

NIOSH 27725

CUMULATIVE SUPPLEMENT TO
NIOSH CERTIFIED PERSONAL PROTECTIVE EQUIPMENT

MAY 1974

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service
Center for Disease Control
National Institute for Occupational Safety and Health
Morgantown, West Virginia 26505

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¹This Table of Contents applies to this, all future supplements,
and to the NIOSH Certified Personal Protective Equipment List,
published February 1974.

III. Gas Detector Tube Units

Corrections

The following corrections replace entries in the list of names and addresses of manufacturers or U.S. Distributors of certified gas and vapor detector tube units, published February 1974.

Bendix Corp., 1400 Taylor Avenue, Baltimore, MD 21204 (Gastec distributor). (Bendix was incorrectly listed as Kitagawa distributor).

Matheson Gas Products, 932 Paterson Plank Road, East Rutherford, NJ 07073 (Kitagawa distributor). (Matheson was incorrectly listed as Gastec distributor).

New Detector Tube Unit Certifications

The following gas detector tube units were certified by the National Institute for Occupational Safety and Health, during March and April 1974.

- A. MSA [®] Model 83499 Universal Sampling Pump has been certified for use with:
2. H₂S - Model 460058 gas detector tube - TC-84-022 March 13, 1974.
 3. CO₂ - Model 85976 gas detector tube - TC-84-025 April 18, 1974.
- B. Gastec Model 400 Aspirating Pump (Bendix 2417535) has been certified for use with:
6. NH₃ - Model 3M gas detector tube - TC-84-023 April 3, 1974.

C. Dräger Bellows Pump Model 31 has been certified for use with:

3. H₂S - Model 1/c gas detector tube - TC-84-024 April 17, 1974.

D. Kitagawa Model 400 Aspirating Pump has been certified for use with:

2. CO₂ - Model 126Sa gas detector tube - TC-84-026 April 19, 1974.

3. CO₂ - Model 126a gas detector tube - TC-84-027 April 19, 1974.

4. SO₂ - Model 103Sc gas detector tube - TC-84-028 April 19, 1974.

IV. Respiratory Protective Devices

Expiration of Bureau of Mines Respirator Approvals

An announcement concerning the expiration date for Bureau of Mines' respirator approvals and terminal approval dates for Bureau of Mines-approved respirators already purchased by the user, was published in the Federal Register on April 9, 1974 (39 FR 12864). These approvals were extended until September 30, 1974, with a further extension until March 30, 1975, being granted on those respirators for which the manufacturer obtains approval of a quality control plan meeting the requirements of 30 CFR Part 11. After September 30, 1975, only respirators approved under Part 11 will be approved for use in hazardous atmospheres. Bureau of Mines-approved respirators already purchased by the user will be approved until the following dates, unless, in the case of certain self-contained breathing apparatus only, they are upgraded to meet the requirements of 30 CFR Part 11 and are relabeled:

Self-contained breathing apparatus	March 31, 1979
Gas masks	March 31, 1977
Supplied-air respirators	March 31, 1980
Dust, fume, and mist respirators	March 31, 1976
Chemical-cartridge respirators	March 31, 1976

The text of the Federal Register announcement follows the list of manufacturers.

CORRECTIONS

The following corrections replace entries in the lists of approved respiratory protective devices published February 1974:

5. SurvivAir part numbers 9011-13 and 9811-13 supplied-air respirators (type C pressure-demand-type). Approval TC-19C-67, issued to SurvivAir Div., U.S. Divers Co., February 11, 1974. (Respirators were incorrectly described as demand-type).
6. SurvivAir part numbers 9011-15 and 9811-15 supplied-air respirators (type C pressure-demand-type). Approval TC-19C-68, issued to SurvivAir Div., U.S. Divers Co., February 11, 1974. (Respirators were incorrectly described as demand-type).

Dust, Fume, and Mist Respirators

5. 3M part numbers W-250, W-252, W-253, and W-254, powered air-purifying respirator systems (with W-2031 filter and W-2009 back pack harness or W-2008 machine mounting) for respiratory protection against dusts, fumes, and mists having a time-weighted average less than 0.05 mg/M^3 or 2mppcf . Approval TC-21C-136, issued to 3M

Company, June 20, 1973. (Respirator systems were incorrectly numbered).

6. 3M part number W-251 powered air-purifying respirator system (with W-2031 filter and W-2009 back pack harness or W-2008 machine mounting) for respiratory protection during abrasive blasting.

Approval TC-21C-137, issued to 3M Company, June 20, 1973. (Respirator system was incorrectly numbered).

New Respirator Approvals

The following respiratory protective devices were approved by the Mining Enforcement and Safety Administration (Bureau of Mines) and the National Institute for Occupational Safety and Health during March and April, 1974:

Self-contained Breathing Apparatus

11. MSA [®] part number APR894-91, ten-minute oxygen-generating self-contained breathing apparatus for escape only. Approval TC-13F-37, issued to Mine Safety Appliances Co., March 1, 1974.

12. Dräger BG-174A, three-hour compressed-oxygen self-contained breathing apparatus. Approval TC-13F-38, issued to Drägerwerk AG, March 21, 1974.

13. Scott part number 900000-00, one-half hour self-contained demand-type compressed-air breathing apparatus. Approval TC-13F-39, issued to Scott Aviation, March 29, 1974.

14. Scott part number 900014-00, one-half hour self-contained pressure-demand-type compressed-air breathing apparatus. Approval TC-13F-40, issued to Scott Aviation, March 29, 1974.

15. Scott part number 900002-00, fifteen-minute self-contained demand-type compressed-air breathing apparatus. Approval TC-13F-41, issued to Scott Aviation, March 29, 1974.

16. Scott part number 900015-00, fifteen-minute self-contained pressure-demand-type compressed-air breathing apparatus. Approval TC-13F-42, issued to Scott Aviation, March 29, 1974.

Supplied-air Respirators

7. 3M part numbers W-840, W-810, W-870, W-858, and W-856 supplied-air respirator systems (types C and CE continuous-flow type). Approval TC-19C-69, issued to 3M Company, April 25, 1974.

Names and Addresses of Manufacturers of Approved
Respiratory Protective Devices - Addition

Scott Aviation, Division of ATO, Incorporated, Lancaster, NY 14086.

Title 30—Mineral Resources

CHAPTER I—BUREAU OF MINES,
DEPARTMENT OF THE INTERIORPART 11—RESPIRATORY PROTECTIVE
DEVICES, TESTS FOR PERMISSIBILITY;
FEESRespirator Used in Hazardous
Atmospheres

The Secretary of the Interior, through the Mining Enforcement and Safety Administration (MESA), and the Secretary of Health, Education, and Welfare, through the National Institute for Occupational Safety and Health (NIOSH), conduct a testing and approval program for respirators used in hazardous atmospheres pursuant to the regulations contained in 30 CFR Part 11 issued jointly by the Secretaries on March 25, 1972 (37 FR 6244), as amended on March 15, 1973 (38 FR 6993) Section 11.2 provides that until March 30, 1974, respirators shall be considered to be approved for use in hazardous atmospheres if approved under either Part 11 or those Bureau of Mines respirator approval schedules in effect prior to Part 11, but that after March 30, 1974, only respirators tested and approved under Part 11 shall be considered to be approved.

After receiving a written request for a two year extension of the March 30, 1974, deadline from the Industrial Safety Equipment Association, a trade association of respirator manufacturers, MESA and NIOSH decided to conduct a public meeting to consider this request.

Notice of the public meeting was published in the FEDERAL REGISTER for October 18, 1973 (38 FR 28961), and the meeting was held on November 14, 1973, in the Department of Health, Education, and Welfare's Parklawn Building, 5600 Fishers Lane, Rockville, Maryland. Presentations were made by the following organizations: Industrial Safety Equipment Association, American Iron and Steel Institute, Boston Fire Department, Manufacturing Chemists Association, and Tenneco, Inc. A verbatim transcript of the meeting is available for public inspection at the National Institute for Occupational Safety and Health, Parklawn Annex Room 3-32, Parklawn Drive, Rockville, Maryland, and at the office of the Assistant Administrator-Technical Support, MESA, Room 927, 4015 Wilson Boulevard, Arlington, Virginia.

On the basis of information presented at the hearing, numerous written comments, and information developed by NIOSH and MESA, it has been determined that only approximately 35 of the 400 currently approved types of respirators will have been certified under Part 11 by March 30, 1974. Additionally, among the 35 certified types of respirators, there are not enough units manufactured or in process to supply the needs of those who would be required to use approved respirators. Moreover, it appears that manufacturers, particularly the smaller ones, need additional time to establish and implement the formal quality control procedures required by Part 11.

Accordingly, it has been determined, after consultation with the Occupational Safety and Health Administration and the Atomic Energy Commission, that it is necessary to amend Part 11 as set forth below. The amendments provide that on or before September 30, 1974, respirators approved under Part 11 or a Bureau of Mines respirator approval schedule will be approved for use in hazardous atmospheres. The effect of this amendment is to extend the period for complying with the requirements of Part 11 for six months. The amendments further provide that after September 30, 1974, only respirators approved under Part 11 or manufactured pursuant to a quality control plan approved under Part 11 will be approved for such use, except that if a respirator is purchased on or before September 30, 1974, and at the time of purchase was approved under a Bureau of Mines respirator approval schedule, it shall be approved for use until the dates specified in § 11.2(b). Finally, the amendments provide that after March 31, 1975, only respirators approved under Part 11 will be approved for use except that if a respirator is purchased on or before March 31, 1975 and at the time of purchase was approved under a Bureau of Mines respirator approval schedule and manufactured pursuant to a quality control plan approved under Part 11, it shall be approved for use until the dates specified in § 11.2(c). The effect of this amendment is to clarify that users of equipment previously approved under Bureau of Mines schedules may continue to use such equipment, and to permit a gradual phasing out of such equipment in a manner consistent with the ability of these devices to provide effective respiratory protection.

Notice of proposed rulemaking, public rulemaking procedures, and postponements of effective date have been omitted in the issuance of the amendments to section 11.2 because the public has had an opportunity to present its views in the public meeting, and to delay the decision in this matter would be contrary to the public interest. Accordingly these amendments will be effective on April 9, 1974.

Dated: March 29, 1974.

WILLIAM A. VOCELY,
Acting Deputy Assistant Secretary
of the Interior.

Dated: April 3, 1974.

FRANK CARLUCCI,
Acting Secretary of Health, Education, and Welfare.

Section 11.2 is revised to read as follows:

§ 11.2 Approved respirators.

(a) Until September 30, 1974, respirators or combination of respirators shall be approved for use in hazardous atmospheres where such respirators or combinations of respirators are maintained in an approved condition and are the same in all respects as those respirators:

(1) For which a certificate of approval has been issued under this part; or

(2) Fabricated, assembled, or built under any approval or any modification thereof, issued by the U.S. Bureau of Mines, Department of the Interior, in accordance with the schedules set forth in this paragraph:

(i) Self-contained Breathing Apparatus, Bureau of Mines Schedules 13, March 5, 1919; 13A, January 21, 1930; 13B, August 12, 1935; 13C, July 9, 1946; 13D, September 22, 1956, and 13E, July 19, 1968.

(ii) Gas Masks, Bureau of Mines Schedule 14F, April 23, 1955.

(iii) Supplied-air Respirators, Bureau of Mines Schedule 19B, April 19, 1955.

(iv) Filter-type Dust, Fume, and Mist Respirators, Bureau of Mines Schedule 21B, January 19, 1965.

(v) Nonemergency Gas Respirators, Bureau of Mines Schedule 23B, August 4, 1959.

(b) After September 30, 1974, respirators or combinations of respirators shall be approved for use in hazardous atmospheres where such respirators or combinations of respirators are maintained in an approved condition and are the same in all respects as those respirators: (1) For which a certificate of approval has been issued under this part; or (2) fabricated, assembled, or built under any approval or any modification thereof issued by the U.S. Bureau of Mines in accordance with the schedules set forth in paragraph (a) and in accordance with a quality control plan approved under this part: *Provided*, That if a respirator is purchased on or before September 30, 1974 and at the time of purchase was the same in all respects as a respirator approved under a Bureau of Mines Schedule, it shall be approved for use until the following dates:

Until March 31, 1979, for self-contained breathing apparatus approved under Bureau of Mines Schedules 13-13E;

Until March 31, 1977, for gas masks approved under Bureau of Mines Schedule 14F.

Until March 31, 1989, for supplied-air respirators approved under Bureau of Mines Schedule 19B.

Until March 31, 1976, for filter-type dust, fume, and mist respirators approved under Bureau of Mines Schedule 21B and for non-emergency gas respirators approved under Bureau of Mines Schedule 23B.

(c) After March 31, 1975, respirators or combinations of respirators shall be approved for use in hazardous atmospheres where such respirators or combinations of respirators are maintained in an approved condition and are the same in all respects as those respirators for which a certificate of approval has been issued under this part: *Provided*, That if a respirator is purchased on or before March 31, 1975, and at the time of purchase was the same in all respects as a respirator approved under a Bureau of Mines Schedule and was manufactured pursuant to a quality control plan approved under this part, it shall be approved for use until the following dates:

Until March 31, 1979, for self-contained breathing apparatus approved under Bureau of Mines Schedule 13-13E;

Until March 31, 1977, for gas masks approved under Bureau of Mines Schedule 14F:

Until March 31, 1980, for supplied-air respirators approved under Bureau of Mines Schedule 19B:

Until March 31, 1976, for filter-type dust, fume, and mist respirators approved under Bureau of Mines Schedule 21B and for non-emergency gas respirators approved under Bureau of Mines Schedule 23B.

(Secs. 202(h), 204, 508, 83 Stat. 763, 764, 803 (30 U.S.C. 842(h), 844, 957); secs. 2, 3, 5, 36 Stat. 370, as amended 37 Stat. 681 (30 U.S.C. 3, 5, 7); sec. 8(g), 84 Stat. 1600 (30 U.S.C. 657(g)))

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