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DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

NIOSH Reference: TN-06612.1
Survivair Reference: NS930521.PL3

Centers for Disease Control
National Institute for Occupational
Safety and Health – ALOSH
944 Chestnut Ridge Road
Morgantown, WV 26505–2888

October 14, 1993

RECEIVED
10-19-93
ENGINEERING

Mr. Philip Lowry
Chief Engineer
Survivair, Inc.
3001 S. Susan Street
Santa Ana, California 92704

Dear Mr. Lowry:

This reply is with reference to your resubmittal letter of July 12, 1993, and subsequent correspondence, requesting approval of the Survivair, Incorporated, Sigma respirators listed in the enclosed copy of your Section H Submittal Summary.

Approval TC-13F-300 is granted to cover the combination open-circuit, Type C pressure-demand, supplied-air respirator and 5-minute escape only, pressure-demand, self-contained breathing apparatus. The following limitations apply to this approval:

- Approved for respiratory protection during entry into and escape from oxygen deficient atmospheres, gases, and vapors when using the air-line air supply.

- Approved for escape only when used as a self-contained breathing apparatus.

- Approved for use at temperatures to minus 30 degrees fahrenheit. When used at temperatures from 0 to minus 30 degrees fahrenheit, the first stage regulator must be wrench tightened on the cylinder valve and anti-fog solution 9510-16 or 9510-15 must be used on the facepiece.

- Approved only when the compressed air container is fully charged with air meeting the requirements of the Compressed Gas Association Specification G-7.1 for Type I, Grade D air, or equivalent specifications. The cylinder shall be marked "Fill with compressed air only" and shall meet applicable Department of Transportation (DOT) specifications.

This approval applies only when the device is supplied with respirable breathing air through the air-line hose lengths and within the pressure ranges as specified on your Section O Draft Approval Labels (copies enclosed). A maximum of 3 sections of air-line hose may be used in making up the maximum approved hose length.

The cylinder valve is to remain closed during supplied-air use. If the supplied-air fails, open cylinder valve and proceed to fresh air immediately. Similar verbiage must be included on your approval label under the "Limitations Portion."

In making renewals or repairs, parts identical with those furnished by the manufacturer under the pertinent approval shall be maintained.

The approved assembly consists of the Survivair, Incorporated, parts indicated on your draft approval label (copy enclosed). These parts are to be marked with the indicated numbers in a legible and permanent manner (marking cannot be removed without evidence of its previous presence). The use of this approved device in combination with any other additional respirator components not covered under this approval, renders this certification invalid.

The following optional assemblies are approved for use with this approval:

9616-00 Radio Interface Kit

9617-10 Headnet Kit

4300-00 Welding shield with 4300-10 and 4300-05 upper and lower bibs.

The enclosed approval label designs are to be used in preparing the approval labels. Label TC-13F-300 shall be prepared for use on the harness assembly. Designs of your labels must be submitted to NIOSH for approval before printing, and proofs of the printed labels must be submitted to NIOSH for further concurrence before their final production.

Your quality control plans for these respirators were reviewed by NIOSH. On the basis of that review, your quality control plans are accepted as a part of this approval.

Your drawing/parts lists dated July 30, 1993, apply to this approval.

This Certificate of Approval is not an endorsement of the respirator by the Mine Safety and Health Administration or the National Institute for Occupational Safety and Health, and such endorsement shall not be stated or implied in advertisements or other publicity. However, you may publicize the fact that the product has met the requirements of Code of Federal Regulations, Title 30, Part 11.

Any changes you wish to make to these respirators shall be submitted and a modification of this approval shall be granted before any changes are made. (Reference: Code of Federal Regulations, Title 30, Part 11, Section 11.35.)

Please submit samples of respirator packaging, bearing all required labels, instructions, and markings, for our approval, before adopting them. Please send us one production sample to be made a part of the record of this approval. We shall retain several other items as additional record material. All other material will be discarded unless we are otherwise advised by you within 7 days.

Sincerely yours,

Kenneth A. Sproul, Chief
Quality Assurance Division
Approval and Certification Center
MSHA

Richard W. Metzler, Chief
Certification and Quality
Assurance Branch
Division of Safety Research
NIOSH

5 Enclosures