

September 30, 2003  
Rev. 1, October 2, 2003

## Attachment D

### Test Equipment and Pre-approval Test Data, Approval Labels and Markings

#### Test Equipment and Pre-approval Test Data:

The applicant shall provide three complete respirator assemblies for testing in accordance with Paragraph 4.6, Chemical Agent Permeation and Penetration Resistance Against Distilled Mustard (HD) and Sarin (GB) Agent Requirement of the Statement of Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Air-Purifying Respirator OR Paragraph 4.2, Chemical Agent Permeation and Penetration Resistance Against Distilled Mustard (HD) and Sarin (GB) Agent Requirement of the Statement of Standard for Chemical, Biological, Radiological, and Nuclear (CBRN) Self-contained Escape Respirator.

Following successful completion of one GB and one HD test, the applicant will be instructed to complete the application and send all additional test equipment and pre-approval test data. The additional test equipment and data must be provided within eight weeks of notification to complete the application. Additional equipment submitted must include the following estimated numbers of respirator assemblies for a new respirator certification that requires all tests:

| <b>Air-Purifying Respirator Assemblies</b> |   |                    |                |
|--|---|--------------------|----------------|
| Number of Sizes                            | Maximum Number of Respirator Assemblies for Each Size |                    |                |
| Three (3) Sizes                            | 32 (Small)  | 164 (Medium)       | 43 (Large)     |
| Two (2) Sizes                              | 62 (Small/Medium)                                     | 190 (Medium/Large) | Not Applicable |
| One (1), 'One-Size-Fits-All'               | 234 (One Size)  | Not Applicable     | Not Applicable |

| <b>Self-Contained Respirator Assemblies</b> |   |                   |                |
|---|---|-------------------|----------------|
| Number of Sizes                             | Maximum Number of Respirator Assemblies for Each Size |                   |                |
| Three (3) Sizes                             | 31 (Small)  | 47 (Medium)       | 42 (Large)     |
| Two (2) Sizes                               | 62 (Small/Medium)                                     | 71 (Medium/Large) | Not Applicable |
| One (1), 'One-Size-Fits-All'                | 115 (One Size)  | Not Applicable    | Not Applicable |

#### **Approval Labels and Markings:**

In accordance with the requirements of paragraph 84.33 of Title 42, CFR, Subpart D, approval labels for the air-purifying escape respirator shall be marked with a CBRN Rating as determined by Paragraph 4.1, Duration Rating, of the Statement of Standard for Chemical, Biological, Radiological and Nuclear Air-Purifying Escape Respirator, dated September 30, 2003. For example:

- (a) Respirators receiving approval for a 30 minute duration rating are marked:  
ESCAPE ONLY NIOSH CBRN 30

(b) Respirators receiving approval for a 30 minute duration rating with carbon monoxide protections are marked: ESCAPE ONLY NIOSH CBRN 30 with Carbon Monoxide

(c) Respirators receiving approval for a 30 minute duration rating with a specific category are marked: ESCAPE ONLY NIOSH CBRN 30 with “chemical” Specific

(d) Respirators receiving approval for a 30 minute duration, with an specific category, and carbon monoxide are marked: ESCAPE ONLY NIOSH CBRN 30 with “chemical” Specific and with Carbon Monoxide

NIOSH will authorize the use of an additional approval label on the self-contained escape respirator that demonstrates compliance to the CBRN criteria. This label is to be placed in a visible location. The addition of this label will provide visible and easy identification of equipment for its appropriate use. In accordance with the requirements of paragraph 84.33 of 42 CFR, Subpart D, approval labels shall be marked with a CBRN rating as determined by Paragraph 4.1, Duration Rating, of the Statement of Standard for Chemical, Biological, Radiological and Nuclear Self-Contained Escape Respirator, dated September 30, 2003. For example, respirators tested for 15 minutes shall be marked ESCAPE ONLY NIOSH CBRN 15.