

Appendix C

Hampshire College Respiratory Protection Program

IRRITANT FUME RESPIRATOR FIT TESTING 29 CFR 1910.134 Appendix A, B.5.

Irritant Smoke may be irritating to eyes, lungs and nasal passages.

- I. Smell a weak concentration of the irritant smoke.
- II. Choose a respirator that feels comfortable.
- III. Perform positive and negative pressure checks.
 - If either check fails, choose another respirator or adjust fit.
- IV. Wear for at least 5 minutes and adjust for comfort.
- V. Expose subject to irritant smoke beginning at 12 inches from the face piece, moving to within 1 inch and moving around the entire perimeter.
- VI. During Test:
 - Keep your eyes closed
 - Breathe normally
 - Take deep and regular breaths
 - Turn head from side to side
 - Nod head up and down; do not bump respirator on chest
 - Slowly count backwards from 100 out loud, or read the “Rainbow Passage”
 - Grimace
 - Return to normal breathing
- VII. The respirator is rejected if involuntary coughing occurs during the test.
- VIII. If no response is seen during the test, the respirator is removed and the person given a sensitivity test from the same tube.

Rainbow Passage

When the sunlight strikes raindrops in the air, they act like a prism and form a rainbow. The rainbow is a division of white light into many beautiful colors. These take the shape of a long round arch, with its path high above, and its two ends apparently beyond the horizon. There is, according to legend, a boiling pot of gold at one end. People look, but no one ever finds it. When a man looks for something beyond reach, his friends say he is looking for the pot of gold at the end of the rainbow.

Appendix C (continued)

**Hampshire College
Respiratory Protection Program**

RESPIRATOR FIT TEST RECORD

DATE: _____

EMPLOYEE: _____

RESPIRATOR:

(Brand, Model and Size)

FIT TEST PROTOCOL: Irritant Fume (29 CFR 1910.134 Appendix A, B.5.)

THE EMPLOYEE EXPERIENCED NO REACTION TO THE IRRITANT SMOKE
DURING THE FIT TEST PROCEDURE.

Test Conductor Signature

Employee Signature