JOHNS-MANVILLE
CORPORATION

Manville, New Jersey

Tel. SOM-1300

August 16, 1946

Asbestos Textile Institute
12 South Twelfth Street
Philadelphia 7, Pennsylvania

Attention: Mr. H. D. McKenney

Gentlemen:

Tests have been conducted at our Manville Plant on the respirators mentioned at the June 13th meeting including one additional respirator. The following comments are those of operators using the various respirators when working in areas requiring such equipment.

Martindale Protective Mask, supplied by the Martindale Electric Company of Cleveland, Ohio.

Efficiency: Unsatisfactory, too flimsy, does not do a good job of filtering.

Comfort: Satisfactory because it is very light.

American Optical Company, Respirator R9100.

Efficiency: Satisfactory, breathes freely, would be more satisfactory if filters could be changed.

Comfort: Very satisfactory, small and light.

Dupor #4, supplied by H. S. Cover, Station A, Southbend, Indiana.

Efficiency: Very satisfactory, breathes freely.

Comfort: Very satisfactory.

Willson #5, supplied by the Willson Company.

Efficiency: Satisfactory, breathes freely.

Comfort: Fair, heavy on face, causes perspiration which cause bands to chafe face.

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Pulmosan M500, supplied by the Pulmosan Company.

Efficiency: Poor, difficult to inhale, prolonged wearing causes pain in chest. The position of the filter valve is such that when the wearer bends over, the valve is caught between his chin and chest, cutting off exhalation.

Comfort: Poor, heavy and clumsy.

Note further comments by operators: While the Dupor #4 respirator's efficiency was found to be the best of the five tested and is satisfactory and comfortable, the American Optical Company's #R9100 seems to be preferred because it is smaller and light.

The American Optical Company's respirator R9100 is standard at our Manville Plant.

Very truly yours,

JOHNS-MANVILLE CORP.

(Sgd.) B. F. Stanton
Safety Engineer

BFS:mhk

cc: F. Ryan - Mvl.
F. M. Armstrong - GHQ
P. D. Cannon - Mvl.

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