

D. E. THOMPSON

W. H. WEBB

E. E. KIRBY

FILE 74-107

TO: F. H. HIXSON

FROM: C. A. MATA

6/24/74

EVALUATION OF 3M BRAND RESPIRATOR

NO 8710 AS A SUITABLE RESPIRATOR

FOR USE DURING INSULATION

1398

RELATED WORK

THIS INVESTIGATION WAS CONDUCTED TO DETERMINE IF THE 3M BRAND RESPIRATOR NO. 8710 OFFERS ADEQUATE PROTECTION FOR THE USER AGAINST LUNG DISEASE PRODUCING DUSTS. THE NO. 8710 RESPIRATOR IS A LIGHT WEIGHT, DISPOSABLE MASK. IT IS MORE COMFORTABLE FOR THE USER THAN THE CUMBERSOME DUST-FOE 77 PRESENTLY IN USE. THE 3M BRAND RESPIRATOR NO. 8710 HAS BEEN GRANTED A CERTIFICATE OF APPROVAL BY THE U. S. BUREAU OF MINES AND BY THE NATIONAL INSTITUTE FOR OCCUPATIONAL SAFETY AND HEALTH (NIOSH) FOR PROTECTION AGAINST PNEUMOCONIOSIS AND FIBROSIS PRODUCING DUSTS OF WHICH ASBESTOS IS ONE. G. E. LANG, ENGINEERING DEPT., CONSULTED J. FERGUSON AND J. LYNCH OF NIOSH TO DETERMINE THE ACCEPTABILITY OF RESPIRATOR NO. 8710 UNDER THE LATEST OSHA STANDARDS. ALTHOUGH RESPIRATOR NO. 8710 IS APPROVED FOR PROTECTION AGAINST PNEUMOCONIOSIS AND FIBROSIS PRODUCING DUSTS, THIS DOES NOT MEAN THAT IT OFFERS PROTECTION AGAINST BUD

DUP 0903470

SC-DP-04735

CARCINOGENIC AGENTS. (ASBESTOS IS RECOGNIZED AS AN OCCUPATIONAL CARCINOGEN *).

FOR THIS REASON, IT IS RECOMMENDED THAT THE 3M BRAND RESPIRATOR NO. 8710 NOT BE USED, UNDER ANY CIRCUMSTANCES, ON ANY ASBESTOS RELATED WORK. RESPIRATOR NO. 8710 IS ACCEPTABLE FOR USE WHEN WORKING WITH OTHER TYPES OF INSULATION OTHER THAN ASBESTOS.

* AMERICAN CONFERENCE OF GOVERNMENTAL & INDUSTRIAL HYGIENISTS; TLV FOR CHEMICAL SUBSTANCES AND PHYSICAL AGENTS IN THE WORK ROOM ENVIRONMENT WITH INTENDED CHANGES FOR 1973; APPENDIX A, PAGE 40.

DUP 0903471

P. 21