NOV 30 1979

Johns-Manville

Internal Correspondence

Field Tests IV

To G. L. Swallow - Denver 1-06 Date November 26, 1979

From L. J. Greco - Manville

Copies C. L. Farr - Penbryn

Subject SPECIAL INDUSTRIAL HYGIENE SURVEY
MARINITE SHEETS
NOVEMBER 6, 1979

A special industrial hygiene survey was conducted in a Camden warehouse on November 6, 1979. The purpose was to evaluate dust conditions related to cutting and drilling Molten Metal Marinite sheets - 1"x48"x96". These sheets will be used to construct new forming tubes at the Penbryn Plant. Nilfisk dust equipment was utilized by the contract workers during both types of operations. The results listed below reflect the dust conditions which existed during sampling.

D-1 Saw Operator
Worker: D. Hussey
Respirator worn

Date	TLV	Result
11/6/79	2.0	1.6 F/cc
11/6/79	2.0	0.8 F/cc

D-2 Saw Operator - Helper
Worker: C. King
Respirator worn

Date	TLV	Result
11/6/79	2.0	1.3 F/cc
11/6/79	2.0	0.5 F/cc

D-3 Drill Operator
Worker: D. Hussey
Respirator worn

Date	TLV	Result
11/6/79	2.0	0.9 F/cc

D-4 Drill Operator - Helper
Worker: C. King
Respirator worn

Date	TLV	Result
11/6/79	2.0	1.4 F/cc

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G. L. Swallow

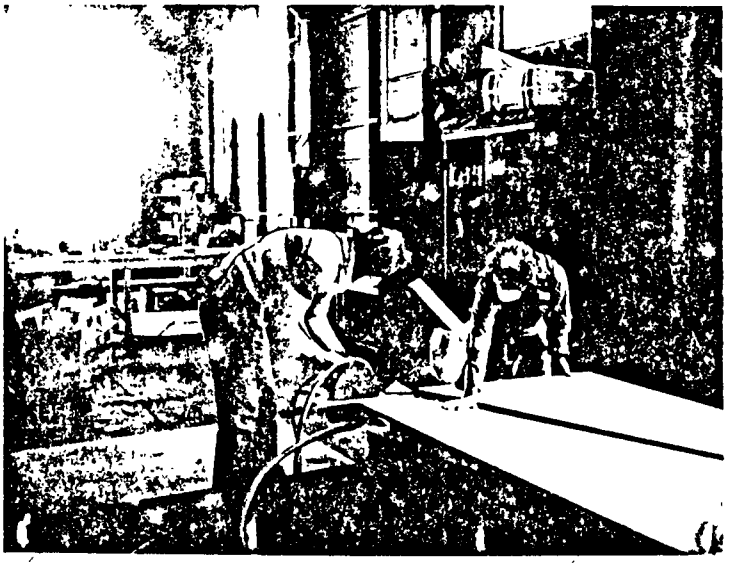
D-5 Operator Changing Vacuum Bag
Worker: C. King
Respirator worn

Date	TLV	Result
11/6/79	10.0	2.8 F/cc*

*Reflects a ceiling concentration

Visible dust conditions during all cutting and drilling operations were slight. However, the worst visible conditions were caused by the handling of the Marinite sheets. After observing the first set of samples during the cutting operation, I suggested to the workers that more care in handling the sheets would minimize the airborne dust. In reviewing the cutting results, the second set of samples yielded lower results due to the workers care in handling material. Photographs are attached.

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CUTTING OPERATION



MELTING OPERATION

