

ETHYL CORPORATION

INTER-OFFICE

L. E. MYERS, M. D.

To W.J. Egan

ADDRESS BRP AUG 03 1978

FROM Thomas L. Roberts

ADDRESS BRT

SUBJECT Asbestos Survey - Central Shops

DATE July 31, 1978

On May 4, 1978, a personal breathing zone sample for asbestos was collected on a machinist while working with the lathe. The purpose of this survey was to evaluate the effectiveness of the new exhaust ventilation system installed on the lathe following relocation in the carpenter shop and also to document employee exposures while conducting routine job functions.

The personal sample was collected with an MSA Model G air pump on an open face 37 mm, 0.8µg pore size, type AA millipore filter. The resultant sample was analyzed at 400-450 X magnification with phase contrast illumination.

This survey was conducted while machining transite pipe. Visual observation showed good air movement in the cutting zone and good collection efficiency at the hood. The new ventilation system seemed to do a fine job of controlling dust generated from this operation. The only dust that appeared to escape the ventilation system was generated by hand-sanding the finished pipe. The collection hood was not positioned to collect this dust. Even with this contribution the personal sample showed an 8-hour TWA of 0.114 fibers/cc which is below the OSHA standard of 2 fibers/cc.

To date, each operation at the carpenter shop that potentially generates hazardous asbestos dust has been evaluated and all are in compliance with the OSHA regulation. The new ventilation system is performing well and to ensure its continued successful operation a preventative maintenance program should be developed and implemented.

In our meeting on May 2, 1978, you stated a status report on asbestos would be written for the Baton Rouge plant. To complete my files and update my records I would like a copy of this report.

Thomas L. Roberts
Thomas L. Roberts
Industrial Hygienist

TLR:sbb

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