

ETHYL: Kettering Lab Analysis of -
of airborne particle matter -



Recd
10/25/72
Free - Asbestos
fact

ETHYL CORPORATION

INTER-OFFICE CORRESPONDENCE

TO S. D. Motsinger ADDRESS
FROM Henry M. Taylor ADDRESS New Orleans
SUBJECT Sodium Cell Asbestos Application DATE October 18, 1972

This is in response to your request for evaluation of the subject process in the sodium area at the Baton Rouge plant.

SUMMARY:

The data collected and displayed in the attached table indicates operator respiratory protection is not necessary for asbestos exposures encountered during this process.

EQUIPMENT AND METHOD:

Air conveyed asbestos was collected by personal and environmental sampling upon open face Millipore type AA filters (37 mm, 0.8 μ pore size) using MSA Montair pumps operating at a sampling rate of 2 l/m. The samples were mounted in a high-viscosity solution of membrane filter material for counting. Asbestos fibers were counted at 400 x magnification using phase contrast illumination with a Leitz Labolux microscope. Data handling followed that of generally accepted conservative good practice since standard methods have not as yet been established.

Please let me know if there are any questions pertaining to this report or relating to asbestos in general.

Henry M. Taylor
Henry M. Taylor

HMT/kf
Attachment

cc: R. C. A. Bock ✓
S. A. D'Armond
W. E. Rinehart
W. C. Strader

TABLE

Baton Rouge Plant, Ethyl Corporation, Asbestos Application to Hooker Cell Cathode
September 28, 1972

<u>Sample Point</u>	<u>Process</u>	<u>%</u>	<u>No. of Fibers *</u>	<u>TWA **</u>
1. Operator sample	Asbestos slurry draw down		0.64	0.080
2. Same	Open bags and transfer material to tank		0.00	
3. Same	Paper application to cathode; cell cleanup		0.00	
4. Same	Same as No. 1		0.30	
5. Same	Same as No. 2		0.00	
6. Bag sample	Short fibers		Fibers of respirable size	
7. Bag sample	Long fibers		Fibers of respirable size	

* Fibers longer than 5 u/ml. Current threshold limit value is 5 fibers/ml greater than 5 u in length.

** TWA: Time weighted average exposure for an eight hour work day calculated from actual exposure duration.

ETHYL: Interoffice Memo 10/18/72 -
-Motsinger to Taylor re: Sodium
Cell asbestos Application