

Environmental Protection Department  
South Charleston Plant

June 1, 1972

PLAINTIFF'S EXHIBIT

UC-2719

To: Mr. D. E. Deese (515)  
Mr. N. H. Ketcham (511)  
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Copies: Mr. R. G. Lilley  
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From: B. L. Murray

Subject: Report Form for Asbestos Air Sampling and Counting  
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Presently, we are using the attached form for use in recording general air sampling results. To show its application, a typical asbestos dust study is reported. Generally, this form is used as a field sheet and with an appropriate cover letter provides the necessary sampling data for determining and reporting exposure concentrations in the working environment.

If possible, we would like to retain one form for reporting air sampling facts.

Your review and comments relating to use of this form for reporting asbestos exposures will be appreciated.

/ld  
Attachment

UCC 024606

PLANT 514

PROJECT NO. 514-D-1-72

## INDUSTRIAL HYGIENE EVALUATION AND SURVEY

Date 5/3/72 Time See below Project Asbestos Dust in AirDepartment Maintenance Location Acetaldehyde Unit Bldg. No. 136-3Requested by E. O. Harrah Reason Breathing Level ExposuresGeneral Conditions: In doors - operating area -Temperature - 70°FRelative Humidity - 50%Barometric Pressure - 29.29 mm HgSampling Method and Equipment Membrane filter with portable pump sampler.Shift: Day 1 Eve.      Mid      No. Employees 3 Sampled by HHW/WCY

L/Min

| Sample Number | Zone | Sampling Time-Min. | Flow Rate | CONCENTRATION |          |  |
|---------------|------|--------------------|-----------|---------------|----------|--|
|               |      |                    |           | Fibers/ml     | >5 $\mu$ |  |
| 1             | A    | 15                 | 2.0       |               | 8.1      |  |
|               |      |                    |           |               |          |  |
| 2             | A    | 15                 | 2.0       |               | 8.0      |  |
|               |      |                    |           |               |          |  |
| 3             | B    | 15                 | 2.0       |               | 9.5      |  |
|               |      |                    |           |               |          |  |
|               |      |                    |           |               |          |  |
|               |      |                    |           |               |          |  |
|               |      |                    |           |               |          |  |
|               |      |                    |           |               |          |  |

Special Conditions

John Atkins cut, fit and secured Kaylo insulation to vessel - 10:30 a. m. - 10:40 a. m.

Mixed mud 10:45-10:50 a. m.

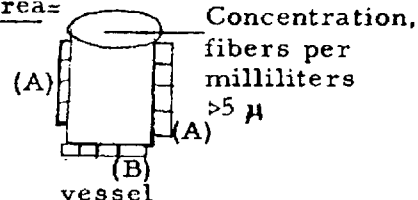
Henry Taylor cut, fit and secured Kaylo insulation to vessel 10:50 - 11:00 a. m.

Mixed mud 11-11:05 a. m.

Hal Bids and Harry Smith cut, fit and secured Kaylo insulation to vessel 1:25-1:40 p. m.

Calculation: 
$$\frac{(\text{Avg. Fiber Count} - \text{Avg. Blank Count}) \text{ Total Filter Area}}{(\text{Counting Area}) (\text{Vol. Air-Liters}) (1000)}$$

Remarks: Employees' exposure time - 8 hrs/day

Sketch See Reverse Side. Reference No. 9-JEN Analyzed by CEW Date 5/3/72