UNION CARBIDE

Mr. R. P. Wooldridge
Linde Division
Speedway Factory
4801 West 16th Street
Indianapolis, Indiana 46224

October 18, 1974

Medical Department

Mr. J. E. Bertrand
Mr. H. L. Phillips
Mr. L. G. Seulter
Mr. R. M. Neary
Dr. J. J. Welsh
Dr. K. S. Lane

Dear Mr. Wooldridge:

The ten air samples taken during September that you sent on the 30th have been evaluated using phase contrast microscopy with the following results.

Numbers 1, 4, and 5 all had less than one fiber per milliliter that were 5 microns or greater in length. No fibers were detected in any of the remaining seven samples taken at various operations.

Very truly yours,

Leo J. LaFrance
Industrial Hygienist

LJL;eg

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PLAINTIFF'S EXHIBIT

UC-4349

UC 149-2

UNION CARBIDE **INTERNAL CORRESPONDENCE**

LINDE DIVISION • SPEEDWAY FACTORY 4801 WEST 16th STREET, SPEEDWAY, INDIANAPOLIS, INDIANA 46224

To (Name)	Mr. L. J. LaFrance	Date	September 30, 1974
Division	UCC; Linde Division		
Location	Medical Dept., 4th Floor New York Office	Originating Dept.	Acetylene Cylinders Quality Assurance
		Answering letter date	
Copy to	Mr. J. E. Bertrand Mr. H. L. Phillips Mr. L. G. Suelter	Subject	Air Samples - September

Ten air samples were taken for the month of September at various work stations throughout the Acetylene Cylinder Operations. The following is a list of samples taken and the pertinent data:

1. Operation of cutting open a cylinder with filler material. The air sampler was worn by the bandsaw operator. Time interval was 23 minutes at a flow rate of 1 liter/minute. Date taken 9/11/74.

2. Operation of cutting filler material sample blocks. The air sampler was worn by the bandsaw operator. Time interval was 17 minutes at a flow rate of 1 liter/minute. It was noted that due to draft conditions in the building, the majority of the dust generated by the operation appeared to be drifting away from the operator. Date taken 9/11/74.

3. General area of the Partec Room. Time interval was 30 minutes at a flow rate of 1 liter/minute. Date taken 9/19/74.

4. Asbestos Shredder Room (with exhaust blower operating). The air sampler was worn by the operator during the shredding operation. Time interval was 6 minutes at a flow rate of 1 liter/minute. Date taken 9/26/74.

5. General area of Asbestos Shredder Room (with exhaust blower operating). Time interval was 13 minutes at a flow rate of 1 liter/minute. Date taken 9/30/74.

6. Top of Mix Tank. Time interval 12 minutes at a flow rate of 1 liter/minute Date taken 9/30/74.

7. Valve well drilling operation. The air sampler was worn by the operator. Time interval was 10 minutes at a flow rate of 1 liter/minute. The operation included the removing of the autoclave fitting, drilling well, and vacuum clean up. The most dust appeared to be generated by removing the autoclave fitting. Date taken 9/24/74.

8. Undercutting operation. The air sampler was worn by the operator. Time interval was 10 minutes at a flow rate of 1 liter/minute. Date taken 9/16/74.

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9. Department 511 general area. Time interval 30 minutes at a flow rate of 1 liter/minute. Date taken 9/19/74.

10. General air - top of power cabinet below old rest-room. Time interval of 45 minutes at a flow rate of 1 liter/minute. Date taken 9/19/74.

Enclosed are the ten samples to be evaluated. If you have any questions or comments, please call.

R. P. Wooldridge

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Union Carbide trial exhibit UC-4349: L. J. LaFrance to R. P. Wooldridge on Phase Contrast Results for September…
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