UC . 49-2

PLAINTIFF'S EXHIBIT

UC-3977

LRA

INTERNAL CORRESPONDENCE

LINDE DIVISION • SPEEDWAY FACTORY P. O. BOX 24501, SPEEDWAY, INDIANAPOLIS, INDIANA 46224

To (Name) Mr. L. Andrews
Company Linde
Location Medical Dept. 4th Floor NYO

Date January 10, 1977
Originating Dept. Employee Relations
Answering letter date
Subject AIR SAMPLES, 4th quarter 1976

Copy to

A total of 13 air samples were taken for the fourth quarter of 1976.

Sample #2 was taken using a pre-weighed filter. This was done to see if you could calculate the number of fibers/cc by reweighing the filter to determine the dust weight. This should be calculated on the basis of a total air volume of 2500 cc with the dust being 10-12% asbestos, by weight.

This particular operation always seems to generate more dust than can be justified through prior air sampling results.

If you have any questions, please call.

Steve Hine/jl

Steve Hine
Safety Director

SH/jl

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Union Carbide trial exhibit UC-3977: Steve Hine to L. Andrews on Fourth-Quarter 1976 Air Samples at Linde's Spee...
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AIR SAMPLE DATA SHEET

PERIOD: 4th QUARTER
YEAR: 1976

SAMPLE LOCATION	DATE	TIME	TIME INTERVAL	FLOW RATE LITER/MIN.	ANALYSIS REQUESTED	CONDITIONS
MACHINE SHOP <0.1 1. CUTTING CYLINDER OPEN	12/15/76	4:10 P.M.	18 MIN.	1	ASBESTOS	CUTTING WS CY. PERSONNEL SAM.
MACHINE SHOP NG 2. CUTTING BLOCKS OF FILLER	12/15/76	4:40 P.M.	25 MIN.	1	ASBESTOS - SEE NOTE	PERSONNEL SAMPLE
<0.1 3. LANCE OUT ROOM	11/18/76	9:15 A.M.	20 MIN.	1	ASBESTOS	GENERAL AREA DOORS AND WINDO CLOSED MAJORITY OF TIME
4. ASBESTOS SHREDDER ROOM 0.5	12/6/76	1:00 P.M.	9 MIN.	1	ASBESTOS	PERSONNEL SAMPLE
ASBESTOS SHREDDER ROOM <0.1 5. GENERAL AREA	12/8/76	12:50 P.M.	10 MIN.	1	ASBESTOS	3 BALES JM 4T-30
0.2 6. TOP OF ASBESTOS MIX TANK	12/13/76	1:45 P.M.	10 MIN.	1	ASBESTOS	GENERAL AREA - 1 CLAMP BROKEN ON MIXER ACCESS HATCH
AUTOCLAVE FITTING REMOVAL AND <0.1 7. WELL DRILLING OPERATION	12/30/76	1:45 P.M.	33 MIN.	1	ASBESTOS	PERSONNEL SAMPLE WS CYLINDERS
NG 8. TOP CLEARANCE INSPECTION STATION	12/6/76	4:00 P.M.	6 MIN	1	ASBESTOS	PERSONNEL SAMPLE-UNDERCUTT WQ CYLINDERS
<0.1 9. GENERAL AREA - DEPT 511	12/2/76	9:00 A.M.	40 MIN	1	ASBESTOS	NORMAL OPERATIONS
GENERAL AIR <0.1 10. NEAR POWER CABINET	12/15/76	9:00 A.M.	30 MIN	1	ASBESTOS	NORMAL OPERATIONS

5/17/76 nl

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AIR SAMPLE DATA SHEET

PERIOD: 4th QUARTER
YEAR: 1976

SAMPLE LOCATION	DATE	TIME	TIME INTERVAL	FLOW RATE LITER/MIN.	ANALYSIS REQUESTED	CONDITIONS
11. WAREHOUSE – ASBESTOS STORAGE AREA <0.1	12-23-76	2:30 P.M.	1 HR.	1	ASBESTOS	BOTH LARGE DOORS OPEN, NO ACTIVITY
12. SMALL METAL BLAST BLDG. DEPT. 513 <0.1	12-2-76	12:30 P.M.	35 MIN.	1	ASBESTOS, METAL PARTICULATE	BLASTING B's
13. ENGINEERING PROCESS LAB CUTTING CYLINDER + FILLER BLOCK <0.1	11-30-76	12:30 P.M.	30 MIN.	1	ASBESTOS	PERSONNEL SAMPLE
			L. H. Pollert			A21833
			12-30-76			

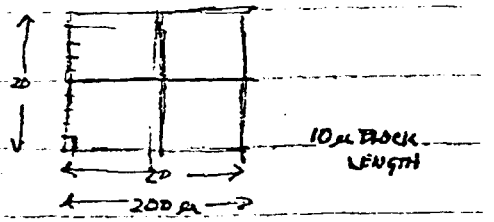
5/17/76 nl

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LAA 5 JB, 1/20/77

Sample #	Field Count
4	1-1-0-0-0 0-2-1-1-0 0-0-1-0-0 0-0-0-0-0



5 — Appears Negative over 20 fields — 4000 blows — 25 L

6
0-0-0-0-0
1-0-0-0-0
0-0-0-0-0
0-1-0-0-1

7 — Demonstrates considerable particulate matter. However, very little fiberous material.
0-0-0-1-0
0-0-0-1-0
0-0-0-0-0
0-0-0-0-0

#9 Same as above
0-0-0-0-0
0-0-0-0-0
0-0-0-0-0
0-0-0-0-0

10 Same as above
0-0-0-0-0
0-0-0-1-0 (?)
0-0-0-0-0
0-1-·

11 Very little particulate — No detectable asbestos fiber.

12 Heavy deposition of particulate — No detectable asbestos.

13 Moderate deposition of particulate — " " "

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