PLAINTIFF'S EXHIBIT
DOW-811

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50983

TEXAS DIVISION
FREEPORT, TEXAS 77541

ENVIRONMENTAL HEALTH REPORT

ASBESTOS INTRUSION INTO A-1800 BLOCK FROM SANDBLAST WORK IN THE PIPEWAY

FILE NO. A7-1288

DATE November 21, 1977

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CHECKED R. L. Daniel

DATE November 25, 1977

Summary

Monitoring was done of the dust being generated by the painter/blaster crews working overhead in the pipeway adjacent to the A-1800 production plant. No significant asbestos content was found in this dust. Levels were .001 to .01 fibers per milliliter.

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bbs

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INTRODUCTION

At the request of Maintenance Department supervision, this survey was done September 12, 1977.

METHODOLOGY

By placing Bendix (Environmental Services, Baltimore, Md.) personnel sampling pumps at specifically chosen spots in the plant, downwind of the blasting work, it was possible to draw a set rate of air through openfaced Millipore cassette filters (Millipore Corp., Bedford, Mass.)catalog number MAWG 037AO. These were then delivered to Central Laboratory Department where they were cleared and fibers $\geq$ 5 micrometers were counted by phase contrast microscopy.

The air flow calibration was check before and after the sample period and if different, was averaged and this was then considered constant over the sample period.

The reported value from Central Laboratory is fibers per square of the grid on the filter disc. This value is multiplied by 90 (the number of available squares on a disc) and related mathematically with the total air sample volume.

RESULTS

Table 1 is a listing of the locations monitored in this survey and the quantities found at each of the locations.

The concentrations of asbestos fibers ranged from 0.001 to 0.01 fibers per milliliter.

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TABLE I

NUMBER	LOCATION	FIBERS
1.	On column 20' NW of PT-22C Tank(duplicate)	0.01
2.	South side of A-1800 inside of covered bridge.	0.003
3.	On column 20' NW of PT-22C tank (duplicate)	0.004
4.	On handrail of foot bridge crossing over ditch & pipeway, south side of(duplicates)	0.003
5.	A-1800 by A-1859 building	0.001

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