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W. L. Smith-1
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V. P. File 20.19

March 29, 1978

TO: A. H. NICKOLAUS - BLDG. 3
W. P. LEDET - BLDG. 3
C. E. BUNN - BLDG. 2

FROM: L. T. FREELAND - BLDG. 3 *L.T.F.*

PLAINTIFF'S
EXHIBIT

DUP-474

SUMMARY OF ASBESTOS SAMPLING

VICTORIA PLANT

The study was initiated to obtain preliminary survey data to define any problem exposure situations. The study included area and personnel samples obtained at two different flow rates. The sampling period was January and February, 1978. The asbestos samples were assayed by E. I. Du Pont - Marshall Laboratory (AIHA approved) by George W. Hiddemen. The data (Table I) show only one job in the Central Shop which exceeded the two fiber per cubic meter OSHA standard.

The Shops (samples 31 and 32) are trying to replace the asbestos covered heating wires used for heat treatment of pipes. If no replacement is obtained, covering with other heat resistant fabric will be reviewed. Sampling will confirm the reduction of exposure to asbestos fibers.

The hold yard (samples 35 and 36) is below the standard but resampling will be conducted to better define the level.

Both the above operations require respiratory protection so no actual personnel exposure occurred. The data supporting all these tests are recorded in Victoria Plant databooks VE 15951, 17058, 17064, 17068, and 17074.

LTF:bg

DUP 0821314

TABLE I

DATE	DATA BOOK REFERENCE NO.	FILTER NO.	AREA SAMPLED	SAMPLING TIME		PUMP NO.	FLOW RATE	TOTAL FLOW IN LITERS	FIBERS PER MILLILITER
1-10-78	17058-23	1	OP 13	0830	1510	6104	111 $\frac{ml}{min}$	44.40	NO FIBERS
1-10-78	17058-23	2	OP 13	0830	1430	6856-511	1091 $\frac{ml}{min}$	392.76	0.01 FIBERS
1-10-78	17058-25	3	WASTE DISPOSAL AND	0850	1460	6839-467	1040 $\frac{ml}{min}$	374.40	0.01 FIBERS
1-10-78	17058-25	4	WASTE DISPOSAL AND	0850	1505	6289	110 $\frac{ml}{min}$	41.25	NO FIBERS
1-10-78	17058-26	5	ALATHON LAB	0920	1520	6835-507	1051 $\frac{ml}{min}$	378.36	NO FIBERS
1-10-78	17058-26	6	ALATHON LAB	0920	1520	6103	129 $\frac{ml}{min}$	46.44	NO FIBERS
1-11-78	17058-54	7	OP 13	0825	1425	6856-511	1107 $\frac{ml}{min}$	398.52	0.02 FIBERS
1-11-78	17058-54	8	OP 13	0825	1435	6104	112 $\frac{ml}{min}$	41.44	NO FIBERS
1-11-78	17058-54	9	WASTE DISPOSAL AND	0835	1435	6839-467	1031 $\frac{ml}{min}$	371.16	NO FIBERS
1-11-78	17058-54	10	WASTE DISPOSAL AND	0835	1440	6289	110 $\frac{ml}{min}$	40.15	NO FIBERS
1-11-78	17058-54	11	ALATHON LAB	0845	1445	6835-507	1065 $\frac{ml}{min}$	379.80	NO FIBERS
1-11-78	17058-54	12	ALATHON LAB	0845	1445	6103	131 $\frac{ml}{min}$	47.16	NO FIBERS
1-12-78	17058-56	13	DNB SYN.	0855	1455	6835-507	1065 $\frac{ml}{min}$	383.40	NO FIBERS
1-12-78	17058-56	14	DNB SYN.	0855	1505	6104	113 $\frac{ml}{min}$	41.81	NO FIBERS
1-12-78	17058-56	15	DIAMINE REF.	0905	1505	6839-467	1036 $\frac{ml}{min}$	372.96	NO FIBERS
1-12-78	17058-56	16	DIAMINE REF.	0905	1510	6103	134 $\frac{ml}{min}$	48.91	NO FIBERS
1-13-78	17058-80	17	DNB SYN.	0835	1435	6835-507	1066 $\frac{ml}{min}$	383.76	NO FIBERS
1-13-78	17058-80	18	DNB SYN.	0835	1435	6104	110 $\frac{ml}{min}$	39.60	NO FIBERS
1-13-78	17058-80	19	DIAMINE REF.	0840	1440	6839-467	1040 $\frac{ml}{min}$	374.40	NO FIBERS
1-13-78	17058-80	20	DIAMINE REF.	0840	1440	6103	121 $\frac{ml}{min}$	45.36	NO FIBERS
1-17-78	17058-90	21	SHOPS	0840	1440	6835-507	1063 $\frac{ml}{min}$	382.68	0.05 FIBERS
1-17-78	17058-90	22	SHOPS	0840	1440	6104	120 $\frac{ml}{min}$	43.20	NO FIBERS
1-18-78	17058-94	25	SHOPS	0815	1515	6835-507	1081 $\frac{ml}{min}$	389.16	NO FIBERS
1-18-78	17058-94	26	SHOPS	0815	1515	6104	112 $\frac{ml}{min}$	40.32	NO FIBERS
1-19-78	17058-95	29	SHOPS *	0915	0935	6839-467	1017 $\frac{ml}{min}$	20.34	1.09 FIBERS
1-19-78	17058-95	30	SHOPS *	0915	0935	6104	109 $\frac{ml}{min}$	2.18	NO FIBERS
1-19-78	17058-98	31	SHOPS *	0940	1000	6839-467	1017 $\frac{ml}{min}$	20.34	9.20 FIBERS
1-19-78	17058-98	32	SHOPS *	0940	1000	6104	109 $\frac{ml}{min}$	2.18	14.53 FIBERS
2-10-78	17064-150	35	HOLD YARD *	1010	1040	6104	112 $\frac{ml}{min}$	3.36	0.94 FIBERS
2-10-78	17064-150	36	HOLD YARD *	1010	1040	6839-467	1040 $\frac{ml}{min}$	31.20	0.51 FIBERS
2-10-78	17064-151	37	HOLD YARD (DW)	1010	1040	6856-511	1049 $\frac{ml}{min}$	31.47	NO FIBERS
2-10-78	17064-151	38	HOLD YARD (DW)	1010	1040	6103	114 $\frac{ml}{min}$	3.42	NO FIBERS
2-10-78	17064-151	39	HOLD YARD (DW)	1010	1040	6835-507	1054 $\frac{ml}{min}$	31.62	NO FIBERS
2-10-78	17064-151	40	HOLD YARD (DW)	1010	1040	6090	109 $\frac{ml}{min}$	3.27	NO FIBERS

* FILTERS WORN ON INDIVIDUAL PERFORMING A TASK. ALL OTHER FILTERS WERE PUT
TO USE ON A TRIPED.

L. T. Freeland
3/78

DUP 0821315