TOM FLORES

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. H. P. ARMINTROUT - BLDG. I
MR. R. C. McCORMACK - BLDG. I
MR. C. F. SCOTT - BLDG. I
~~DR. V. H. BARBOUT - BLDG. I - FILE~~

cc: Mr. A. A. Rambikur - Bldg. R-141

[redacted]

RE: ASBESTOS DUST TEST AT BLDG. 54E

A dust test was taken on December 4, 1972 at Bldg. 54E while John Manville Brand Superex Block insulation was being cut. The employee was weaving the sampler while cutting the Hi-Temp block. Sampling period was 48.5 minutes.

Some of the dust was visible on the filter so two slides were prepared, one as is, and the other one with the surface dust knocked off. The results are shown below.

SAMPLE	TIME	COUNT	CONCENTRATION
As is	48.5 min.	first	3.53 fibers/ml
		second	3.31
Dust knocked off	48.5 min.	first	4.74 fibers/ml
		second	4.66

Fibers are difficult to count when there is a lot of material on the slide.

TOM FLORES
TF:djw

TOM FLORES

OPERATIONS

January 2, 1973

CONFIDENTIAL

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. F. J. MABRY - BLDG. R-13
MR. R. C. McCORMACK - BLDG.
MR. C. F. SCOTT - BLDG. I
~~DR. V. H. BARBOUR - BLDG. I~~

cc: Mr. A. A. Rambikur - Bldg. R-
~~Ms. T. B. Bonney - Pittsburgh~~

RE: ASBESTOS DUST TESTS

Two tests were run in Refining during December for asbestos fibers. One in the storeroom and the other one at R-31.

In both tests the employee doing the work was wearing the sampler. Results are shown below.

ACTIVITY	AREA	TIME Min.	CONCENTRATION Fibers/ml
Using power sweeper to sweep aisles where asbestos materials are stored	Storeroom	32	0.1925
Tying asbestos pipe insulation to liquor line	R-31	30	0.29

TOM FLORES
T.F.
TF:djw

Mention in monthly?
plus tests in Smelting

APC 005219

TOM FLORES

OPERATIONS

February 1, 1973

CONFIDENTIAL

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. H. P. ARMINTROUT - BLDG. I
MR. R. C. McCORMACK - BLDG. I
MR. C. F. SCOTT - BLDG. I
~~DR. V. H. BARBOUR - BLDG. I~~

cc: Mr. A. A. Rambikur - Bldg. R-141
~~Mr. T. D. Bonney - Pittsburgh~~

RE: ASBESTOS DUST TESTS

Three tests were run at the Marinite Shop for asbestos fibers during January.

In all tests, the employee was wearing a face mask and the sampler.

Results are below:

ACTIVITY	TIME Min.	CONCENTRATION FIBERS/Ml
Cleaning out small dustkop collector with shovel	4	13.17
Digging out trough from Casting	6	1.38
Cleaning up floor after working on trough	17	0.47*

*Millapore filter holder accidentally slipped off hose and dropped on floor. Some sample was lost.

TOM FLORES

TF:djw

APC 005220

~~C. K. Green~~
A. A Rambikur

TOM FLORES

OPERATIONS

March 2, 1973

DR. V. H. BARBOUR

OPERATIONS

cc: Mr. A. A. Rambikur - Bldg. R-141
Mr. L. S. Clark - Bldg. R-141
Mr. T. B. Bonney - Pittsburgh

RE: ASBESTOS DUST TESTS

Five tests were run during February for asbestos fibers. Results are shown below.

AREA	ACTIVITY	TIME Min.	CONCENTRATIONS Fibers/ml
Room 30	Laying asbestos rope bead on lip of molten metal crucible	2.8	0
Bldg. 54E	Dumping potlining from pot (wet pot)		
	Ground level	17.1	.068
	Craneman's level	15.38	.187
Bldg. 54E	Cutting Shamol N-4 insulation block during cutting operation	44	2.51
	during clean-up	7	1.8

TOM FLORES
Tom Flores
TF:djw

APC 005221

TOM FLORES

OPERATIONS

May 3, 1973

DR. V. H. BARBOUR
MR. C. L. GREEN
MR. H. P. ARGINTROUT
MR. R. C. McCORMACK
MR. C. F. SCOTT
DR. V. H. BARBOUR

cc: Mr. A. A. Rambikur - Bldg. R-141
Mr. R. B. Padhora - Bldg. R-141
Mr. T. B. Bonney - Pittsburgh

RE: ASBESTOS AIR SAMPLES

The following tests were run during April for asbestos fibers.

DATE	ACTIVITY	TIME Minutes	WEARING RESPIRATOR	FIBERS/ML
4-13-73	Cutting marinite to fit casting troughs	31.5	Yes	2.77
	2nd count same slide 3 mm above 1st sample			5.22
	3rd count same slide 3 mm below 1st sample			3.72
	Drilling holes in marinite	18	Yes	3.88
	2nd count same slide 2 mm below 1st sample	18	Yes	3.25
	Insulating bottom of pot with Skamol N-4 Hi-temp block	20	No	1.97
	2nd reading of above sample 3 mm above on same slide	20	No	1.3
	Insulating pot with Skamol 2nd employee	16.75	No	1.9
	Dumping pot 54E	14.5	Yes	.047
4-24-73	Tapping one pour behind asbestos cloth shield	11.25	Yes	.097
	Brushing off rim of crucible	1.25	Yes	0
4-30-73	Dumping brick out of No. 6 kiln	18.25	Yes	0.5

TOM FLORES

TF:djw

APC 005222

Tom see me pls
12

TOM FLORES

OPERATIONS

August 6, 1973

ROUTE: DR. V. H. BARBOUR

OPERATIONS

Mr. C. M. Green - Bldg. I
Mr. R. C. McCormack - Bldg. I
Mr. F. E. Sharkey - Bldg. I
Mr. C. F. Scott - Bldg. I
~~Dr. V. H. Barbour - File~~

cc Mr. A. A. Rambikur - Bldg. R-141

RE: MONTHLY REPORT ON ASBESTOS DUST TESTS

DATE	BLDG.	TIME Mins.	ACTIVITY	CONCENTRATION Fibers/ml
7-10-73	13A	14	Dumping 469 unit on ground to remove old brick and insulation	8.22
7-10-73	13E	65.5	Cutting marinite with sabre saw on enclosed table	3.87

TOM FLORES

TF:djw

Enc.

Time weighted averages

$$\frac{8.22 \times 14 + 0 \times 466}{480} = 0.24$$

$$\frac{3.87 \times 65.5 + 0 \times 414.5}{480} = 0.53$$

Respirators ? yes

APC 005223

105

TOM FLORES

OPERATIONS

June 7, 1973

CONFIDENTIAL

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. R. C. McCORMACK - BLDG. I
MR. T. C. BUSH - BLDG. 9A
MR. C. F. SCOTT - BLDG. I
~~DR. V. H. BARBOUR - BLDG. I~~

cc: Mr. A. A. Rambikur - Bldg. R-141
~~Mr. T. B. Bonney - Pittsburgh~~

RE: ASBESTOS DUST TESTS

Asbestos dust tests for the month of May included two in the Power Department and three in the Marinite Shop.

Results are shown below:

DATE	LOCATION	ACTIVITY	RESPIRATOR	TIME Min.	CONCENTRATION Fibers/ml
5-9-73	Bldg. 63	Cutting Pipe Insulation	No	49	0.55
	Bldg. 63	Insulating Surge Tank	No	47.75	0.44
	Marinite Shop	Cutting plates and headers using router	Yes	47.75	0.36
	Marinite Shop	Cutting shelves with band saw	Yes	21.25	5.53
	Marinite Shop	Working in Marinite shop	Yes	240	0.40
	Marinite Shop	2nd mounting			0.41

5-9-73

TOM FLORES

TF:djw

ALCOA

APC 005224

TOM FLORES

OPERATIONS

June 7, 1973

CONFIDENTIAL

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. R. C. McCORMACK - BLDG. I
MR. T. C. BUSH - BLDG. 9A
MR. C. F. SCOTT - BLDG. I
~~DR. V. H. BARBOUR - BLDG. I~~

cc: Mr. A. A. Rambikur - Bldg. R-141
~~Mr. T. B. Bonney - Pittsburgh~~

RE: ASBESTOS DUST TESTS

Asbestos dust tests for the month of May included two in the Power Department and three in the Marinite Shop.

Results are shown below:

DATE	LOCATION	ACTIVITY	RESPIRATOR	TIME Min.	CONCENTRATION Fibers/ml
5-9-73	Bldg. 63	Cutting Pipe Insulation	No	49	0.55
	Bldg. 63	Insulating Surge Tank	No	47.75	0.44
	Marinite Shop	Cutting plates and headers using router	Yes	47.75	0.36
	Marinite Shop	Cutting shelves with band saw	Yes	21.25	5.53
	Marinite Shop	Working in Marinite shop	Yes	240	0.40
	Marinite Shop	2nd mounting			0.41

TOM FLORES

TF:dlw

APC 005225

TOM FLORES

OPERATIONS

August 6, 1973

ROUTE: DR. V. H. BARBOUR

OPERATIONS

Mr. C. L. Green - Bldg. I
Mr. R. C. McCormack - Bldg. I
Mr. F. E. Sharkey - Bldg. I
Mr. C. F. Scott - Bldg. I
~~Dr. V. H. Barbour - File~~

Mr. A. A. Rambikur - Bldg. R-141

RE: MONTHLY REPORT ON ASBESTOS DUST TESTS

DATE	BLDG.	TIME Mins.	ACTIVITY	CONCENTRATION Fibers/ml
7-10-73	13A	14	Dumping 469 unit on ground to remove old brick and insulation	8.22
7-10-73	13E	65.5	Cutting marinite with sabre saw on enclosed table	3.87

TOM FLORES

TF:dlw

Enc.

APC 005226

TOM FLORES

OPERATIONS

September 4, 1973

CONFIDENTIAL

ROUTE: DR. M. F. JONES

OPERATIONS

Mr. C. L. Green
Mr. R. C. McCormack
Mr. F. E. Sharkey
Mr. C. F. Scott
Mr. M. F. Jones

cc: Mr. A. A. Rambikur - Bldg. R-141
Mr. R. E. Fechner - Bldg. R-141

RE: ASBESTOS DUST TEST

Date	8-10-73
Bldg.	13E
Time	60 mins.
Activity	Cutting marinite backups
Respirator	Yes
Conc. Fiber/ml	2.48
Time Weighted Avg.	.31

TOM FLORES
Tom Flores
TF:djw

APC 005227

TOM FLORES

OPERATIONS

September 4, 1973

CONFIDENTIAL

ROUTE: DR. M. F. JONES

OPERATIONS

Mr. C. L. Green
Mr. R. C. McCormack
Mr. F. E. Sharkey
Mr. C. F. Scott
~~Mr. M. F. Jones~~

cc: Mr. A. A. Rambikur - Bldg. R-141
~~Mr. R. E. Peckham - Bldg. R-141~~

RE: ASBESTOS DUST TEST

Date	8-10-73
Bldg.	13E
Time	60 mins.
Activity	Cutting marinite backups
Respirator	Yes
Conc. Fiber/ml	2.48
Time Weighted Avg.	.31

TOM FLORES
TF:djw

APC 005228

TOM FLORES

TO: MR. W. D. HOLMES

September 27, 1973

cc: Mr. C. L. Green
Mr. A. A. Rambikur
Dr. L. F. Brennecke
Mr. R. E. Podhora

RE: MARINITE DUST TESTS

There are four pieces of equipment that are connected to the Pangborn dust collector through different diameter ducts by way of a rotating valve. The valve has limiting switches that do not allow a particular piece of equipment to run unless it is connected to the dust collector.

On September 19, 1973 the band saw, enclosed table and router were tested. The following day the table saw was tested.

An asbestos fiber test was also run on the outlet of the collector while testing the band saw. Static pressure readings were also taken every fifteen minutes during the testing on the inlet and clean air side of the bags to determine the pressure drop across the bags. It never reached the 4" W.C. drop that was desired. Results below:

Equipment	INLET ACFM	INLET Gr/Cu Ft	INLET Lbs/Hr	OUTLET ACFM	OUTLET Gr/Cu Ft	OUTLET Lbs/Hr	Maximum Pressure Drop
Band Saw	3166	0.139	3.78	3179	.0004	.012	1.2" W.C.
Enclosed Table	4097	0.0178	0.63	3655	0	0	1.7"
Router	3496	0.68	20.36	3252	.0004	.010	1.5"
Table Saw	2673	0.592	13.56	2256	.0002	.0046	0.6"

ASBESTOS FIBER TEST

Counter	Time	Fibers/ml	Time Weighted Avg.
Filla	77 Mins.	1.81	0.58
Flores	77 Mins.	1.84	0.59

APC 005229

TOM FLORES

TF/jt

FROM TOM FLORES
POINT COMFORT OPERATIONS

TO DR. M. F. JONES
POINT COMFORT OPERATIONS

cc: Mr. C. L. Green
Mr. R. C. McCormack
Mr. F. A. Sharkey
Mr. C. F. Scott
Mr. A. A. Rambikur
Mr. R. E. Podhora

October 10, 1973

Date	Bldg.	Time	Activity	Wearing Respirator	Conc. Fiber/ML	Time Weighed Averaged
9-11-73	13E	38.25 mins	Cutting Headers & Backups	Yes	1.509	0.12
9-14-73	13E	5 minutes	Using portable router on header	Yes	Too low to count	
9-19-73	13E	77 mins.	Using band saw outlet of collector while using band saw	Yes	5.075 1.84 1.81*	1.628 0.59 0.58*

*Slide mounted and counted by Mr. A. J. Filla.

TOM FLORES

TF:gm

APC 005230

ALCOA

SF-4568 (REV 11-69)

TOM FLORES
OPERATIONS

November 6, 1973

ROUTE : DR. M. F. JONES
MR. C. L. GREEN
MR. R. C. McCORMACK
MR. F. J. MABRY
MR. C. F. SCOTT
DR. M. F. JONES

cc: Mr. A. A. Rambikur
Mr. R. E. Podhora
Mr. T. B. Bonney - Pittsburgh

CONFIDENTIAL

RE: ASBESTOS DUST TESTS FOR THE MONTH OF OCTOBER

Two tests were run while two workmen were stripping brick and asbestos paper off the walls of kiln No. 2. One man (test No. 1) would stand directly in the airstream while dumping the wheelbarrow full of bricks out of the kiln. The other workman (test No. 2) would stand off to one side while dumping. Results below:

Date	Test	Bldg.	Time	Activity	Wearing Respirator	Concentration Fibers/ML	Time Weighed Average
10-15-73	1	R-50	30 mins.	Stripping Brick	Yes	2.62	.074
	2	R-50	30 mins.	Stripping Brick	Yes	Too Low to Count	

TOM FLORES

TF:wc

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TOM FLORES
OPERATIONS

November 6, 1973

ROUTE : DR. M. F. JONES
MR. C. L. GREEN
MR. R. C. McCORMACK
MR. F. J. MABRY
MR. C. F. SCOTT
DR. M. F. JONES

cc: Mr. A. A. Rambikur
Mr. R. E. Podhora
Mr. T. B. Bonney - Pittsburgh

CONFIDENTIAL

RE: ASBESTOS DUST TESTS FOR THE MONTH OF OCTOBER

Two tests were run while two workmen were stripping brick and asbestos paper off the walls of kiln No. 2. One man (test No. 1) would stand directly in the airstream while dumping the wheelbarrow full of bricks out of the kiln. The other workman (test No. 2) would stand off to one side while dumping. Results below:

Date	Test	Bldg.	Time	Activity	Wearing Respirator	Concentration Fibers/ML	Time Weighed Average
10-15-73	1	R-50	30 mins.	Stripping Brick	Yes	2.62	.074
	2	R-50	30 mins.	Stripping Brick	Yes	Too Low to Count	

TOM FLORES

TF:wc

COPY

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APC 005232