

FROM A. A. RAMBIKUR
POINT COMFORT OPERATIONS

TO MR. R. C. HINKLE
BADIN WORKS
cc: Mr. C. L. Green/Mr. H. P. Armintrout
Mr. C. F. Scott/Dr. V. H. Barbour

April 24, 1973

Attached is the OSHA Asbestos Compliance Questionnaire which
Mr. Armintrout has requested we answer.

If you have any questions, please call the writer.

AAR
A. A. RAMBIKUR

AAR:vh

Attachment

*Pl. Contact has most of the initial work behind them
Testing shows no area over the limits - Sounds almost too good to be
True.*



ASBESTOS COMPLIANCE QUESTIONNAIRE

I. Industrial Hygiene, Page 1

1. Have you elected to have the respirable asbestos fiber sampling and/or counting done by non-Alcoans or by Alcoans? Discuss.

To be performed by an Alcoa. Asbestos fiber sampling and counting is done by a Technician assigned to Environmental Control.

2. Has the initial workplace environmental monitoring survey been conducted? If not, discuss.

There is one location where asbestos containing material (marinite) is worked. This work is performed irregularly and the area was monitored in November, 1972. Other areas are checked upon notification by the maintenance department. Checking has also been done in pot repair building during Hi-Temp* cutting and pot shell dumping.

*All future purchases will be either Skamel or asbestos-free Hi-Temp.

3. Has the initial personal monitoring survey been conducted?

First personal monitoring survey made November 27, 1972. Copies of all survey reports attached. Casting and potroom usage and exposure is generally of such short duration as to make meaningful measurement impractical. As we are notified of an exposure an attempt at sampling is made.

4. Does your plant have the specified sampling equipment for both types of surveys? (Regulation does not seem to specify a difference.)

Presently four Monitaire pumps are available. Adequate supply of membrane filters is available.

5. If you plan to conduct the surveys and/or count fibers with your own people, are they presently capable? If not, what are your plans for reaching competency?

Yes, the technician is capable. He is also signed up to attend the "Sampling and Evaluating Airborne Asbestos Dust" Course presented by the Environmental Management Branch, Division of Training of the Department of Health, Education and Welfare, on June 26, 27, 28, 1973, in Cincinnati, Ohio.

LOCATION POINT COMFORT OPERATIONS

DATE April 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

Industrial Hygiene, Page 2

6. When is your next semiannual survey scheduled?
Since the use and handling of asbestos containing material is done on an irregular basis, the sampling is performed whenever Environmental Control personnel are notified.
7. Estimate the man-hours necessary to conduct your next survey, including counting.
Approximately 12 hours per month (average two hours total per sample).
8. As a result of your observations and/or tests, have you identified areas which exceed the current standards? 1976 standard?
There are no areas which exceed the current standards, based on an eight-hour time weighted sample. There are no areas which exceed the 1976 standards, based on an eight-hour time weighted sample.
9. Have you made provision for keeping the records of personal and environmental monitoring for at least the required 3 years?
Yes
10. Have you had requests for access to such records by employees?
No
11. If your plant has operations which require the use of approved (for asbestos) respirators, are such respirators in use where required?
Yes
12. How would you rate your plants' general level of compliance in the wearing of respirators?
Good

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ASBESTOS COMPLIANCE QUESTIONNAIRE

Industrial Hygiene, Page 3

13. List the specific types of respirators in use and make comments as you wish about each.

Dustfoe 66 - Best accepted by employees.

14. Do you have areas where caution signs should be displayed? No
How many? None Are signs displayed now? No

15. Have you established procedures for approved disposal of asbestos wastes? Discuss.

*Dump is on
plant site*

Presently asbestos fines waste is collected in plastic bags and large blocks and placed in Dempster Dumpsters. Plans have been made to set aside a section of the solid waste disposal area for burying the asbestos waste.

16. Do you have or foresee the need for providing special clothing for any of your workers because they work with asbestos? If so, discuss.

No

17. Do you have or foresee the need for special change rooms and double lockering? If so, discuss.

No. All employees already have two lockers.

18. Do you have or foresee the need for special laundering practices? If so, discuss.

No.

LOCATION POINT COMFORT OPERATIONS

DATE APRIL 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

II. Medical, Page 1

1. Have you identified the areas where respirable asbestos fibers do or may, exceed the OSHA limits?

There are no areas where respirable asbestos fibers do or may ?
exceed the OSHA limits.

2. How many individuals have you found to be subject to the medical and monitoring provisions of the regulations?

Only one exposure over five fibers/ml since November, 1972.
The Dust-Kop collector is due to be scrapped the middle of June.
This collector was responsible for the high exposure.

3. Have you conducted the first round of medical examinations, including chest X-rays, pulmonary function tests and clinical data including smoking habits? Yes, on all employees.

- a. Number of employees examined in first round: Approximately 12 who actually work in asbestos areas, plus all employees due their annual exam.
b. Scheduled date of next annual examination:
On each employee's birthday.

4. Are you conducting the preplacement examinations on individuals who will be exposed to asbestos fibers?

Pre-employment examinations are given to all prospective employees.
How many such preplacement examinations have been made since the regulations became effective?

See above.

5. How many subject examinations have been made upon termination of employment?

None.

LOCATION POINT COMFORT OPERATIONS

DATE APRIL 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

II. Medical, Page 2

6. Have the results of examinations been evaluated?

Yes, the results of the annual examination have been evaluated.

7. Have you encountered any problems in getting individuals to undergo the examinations?

No.

8. Have arrangements been made for keeping the medical examination records for 20 years?

Yes.

9. Have you had requests for examination of the records by any of those persons who are given legal access?

No.

LOCATION POINT COMFORT OPERATIONS

DATE APRIL 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

III. Compliance, Page 1

1. List here a summary of the areas at your location which are now of concern because of asbestos. Estimate the date of compliance with Section 1910.93a, paragraph (b). If costs can be estimated, note them. No extensive cost study is required.

Work Area

Estimated
Compliance Date

Estimated
Cost

There are none which are cause for alarm.

LOCATION POINT COMFORT OPERATIONS DATE APRIL 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

III. Compliance, Page 2

2. List here (or attach sheets) the asbestos-bearing materials in use at your location. List briefly the uses for each. If such information has been prepared previously, simply attach copies.

Material

Uses

See attachment.

LOCATION POINT COMFORT OPERATIONS

DATE APRIL 10, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

III. Compliance, Page 3

3. On succeeding forms entitled "Asbestos Compliance Status Sheet", discuss each work area of concern. Group identical areas. The form is intended to provide a history of progress as more information is added in the future.

None required.

LOCATION POINT COMFORT OPERATIONS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s):

Material(s) containing asbestos and the operation which causes fibers to be released:

General plan for reaching compliance (e.g. substitution of materials, wet working of materials, engineering controls, etc):

Date _____ Status:

Date _____ Status:

Date _____ Status:

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OPERATIONS

April 3, 1973

CONFIDENTIAL

DR. V. H. BARBOUR
MR. C. L. GREEN
MR. F. J. MABRY
MR. H. P. ARMINTROUT
MR. R. C. McCORMACK
MR. C. F. SCOTT
DR. V. H. BARBOUR

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

RE: ASBESTOS DUST TESTS

The results of asbestos fiber counts taken during the month of March are shown below.

<u>DATE</u>	<u>LOCATION</u>	<u>ACTIVITY***</u>	<u>FIBERS/ML</u>
3-2-73	R-110	Stripping old insulation off boiler # 2	1.41
		Second sample	1.40
3-9-73	54E	Dumping dry pot	—*
3-12-73	54E	Cutting skamol N-4 Hi-temp block	1.65
3-16-73	54E	Dumping Pot - Crane level	—**
		Ground level	.047**

*considerable dust generated but no asbestos fibers were found.

**A dust test was run on this sample with preweighed millapore filters. The results were Crane level 22.2 mg/m³
Ground level 86.11 mg/m³

***All personnel wearing respiratory protection. Exposure times not available. Estimates vary from 30 minutes for pot dumping to 39 man hours for stripping Boiler # 2.

TOM FLORES

TF:dju

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OPERATIONS

March 2, 1973

~~E. H. Green~~
A. A. Rambaikur
DR. V. H. BARBOUR

OPERATIONS

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

RE: ASBESTOS DUST TESTS

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

<u>AREA</u>	<u>ACTIVITY</u>	<u>TIME Min.</u>	<u>CONCENTRATIONS Fibers/ml</u>
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	.062
	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

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Tom Flores
TF:dju

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OPERATIONS

February 1, 1973

CONFIDENTIAL

DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. H. P. ARMENTROUT - BLDG. I
MR. R. C. MCCORMACK - BLDG. I
MR. C. F. SCOTT - BLDG. I
DR. V. H. BARBOUR - BLDG. I

~~Mr. A. A. Rambikur - Bldg. R-141~~
~~Mr. T. B. Bomey - 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:

<u>ACTIVITY</u>	<u>TIME Min.</u>	<u>CONCENTRATION FIBERS/ML</u>
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*

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

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TF:qjw

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OPERATIONS

January 2, 1973

CONFIDENTIAL

~~USE~~
AAR
DR. V. H. BARBOUR - BLDG. I
MR. C. L. GREEN - BLDG. I
MR. F. J. MABRY - BLDG. R-139
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. 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.

<u>ACTIVITY</u>	<u>AREA</u>	<u>TIME</u> <u>Min.</u>	<u>CONCENTRATION</u> <u>Fibers/ml</u>
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

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T.F.
TF:djw

*Mention in monthly?
plus tests in Smelting*

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TOM FLORES

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

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

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.

<u>SAMPLE</u>	<u>TIME</u>	<u>COUNT</u>	<u>CONCENTRATION</u>
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

T. F.
TF:djw

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FROM

TOM FLORES

OPERATIONS

November 29, 1972

DR. V. H. BARBOUR

OPERATIONS

CONFIDENTIAL

RE: ASBESTOS DUST TESTS AT MARINITE SHOP

Two tests were run on November 27, 1972 using 0.8 μ pore size millipore filters and monitiare sampling pumps.

One sampler was carried by Craftsman operating router. The other sampler was held in the dust collector fan exhaust.

<u>SAMPLE</u>	<u>LOCATION</u>	<u>TIME</u>	<u>CONCENTRATION</u>
1	On Craftsman Shaping Marinite	30 min.	1.22 Fibers/ml
2			1.40 Fibers/ml
3	Fan Exhaust	25 min.	.75 Fibers/ml

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TF:djw

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OPERATIONS

May 3, 1973

DR. V. H. BARBOUR
MR. C. L. GREEN
MR. H. P. ARMINTROUT
MR. R. C. MCCORMACK
MR. C. F. SCOTT
DR. V. H. BARBOUR

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

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