

PLAINTIFF'S EXHIBIT

AL-2377

FROM E. B. PARKER

TO MR. R. C. HINKLE

ROCKDALE WORKS

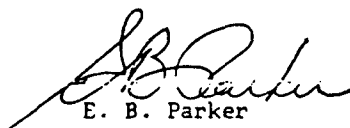
PITTSBURGH OFFICE

May 7, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

Attached you will find a completed copy of the captioned document. It describes, as best we can, our situation today.

If you have questions, please let me know.


E. B. Parker

EBP:ak
Attachment
Copies:

F. P. Bergeron, H. A. Bower, B. M. Starner - Rockdale
A. E. Menke - Rockdale
H. N. Mueller - Rockdale
A. G. Clayton - Rockdale
D. D. McGregor - Rockdale
E. C. Remaley - Rockdale
J. O. Tesh - Rockdale
T. J. Randall - Rockdale

Medical exam program needed



ALCOA

ARD 007072

07-4200 (REV. 11-60)

LOCATION ROCKDALE WORKS

DATE May 7, 1973

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 done locally by Rockdale Works Laboratory personnel.

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

Partially - Brick shed, Marinite sawing and Marinite machining areas have been sampled.

3. Has the initial personal monitoring survey been conducted?

Partially - Samples taken at brick shed and in Marinite sawing and machining areas.

4. Does your plant have the specified sampling equipment for both types of surveys?

Yes

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

LOCATION ROCKDALE WORKS

DATE May 7, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

Industrial Hygiene, Page 2

6. When is your next semiannual survey scheduled?

July, 1973. Initial survey is to be continued within next month.

7. Estimate the man-hours necessary to conduct your next survey, including counting.

Approximately 100

8. As a result of your observations and/or tests, have you identified areas which exceed the current standards? 1976 standard?

No, to both questions

9. Have you made provision for keeping the records of personal and environmental monitoring for at least the required 3 years?

Yes - All Laboratory test records retained indefinitely.

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?

No such areas have yet been identified. Respirators are used where need is suspected.

12. How would you rate your plants' general level of compliance in the wearing of respirators?

Tests to date have not revealed any areas where respirators would be required.

ARD 007074

LOCATION ROCKDALE WORKS

DATE May 7, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

Industrial Hygiene, Page 3

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

See attached respirator selection chart.

14. Do you have areas where caution signs should be displayed?
How many? _____ Are signs displayed now? _____

None have been identified as yet. When initial survey is complete, appropriate signs will be posted.

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

Will follow OSHA requirements.

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 - Expect to substitute other materials for asbestos wherever possible.

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

No

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

No

ARD 007075

LOCATION ROCKDALE WORKS

DATE May 7, 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?

Yes

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

Forty (40).

3. Have you conducted the first round of medical examinations, including chest X-rays, pulmonary function tests and clinical data including smoking habits? No

a. Number of employees examined in first round: None

b. Scheduled date of next annual examination: None

4. Are you conducting the preplacement examinations on individuals who will be exposed to asbestos fibers? No

How many such preplacement examinations have been made since the regulations became effective? None

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

None

LOCATION ROCKDALE WORKS

DATE May 7, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

II. Medical, Page 2

6. Have the results of examinations been evaluated?

No

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

ARD 007077

LOCATION ROCKDALE WORKS DATE May 7, 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.

<u>Work Area</u>	<u>Estimated Compliance Date</u>	<u>Estimated Cost</u>
Mechanical Maintenance (Bldg. 44) (Bldg. 47)	9 months after RFA for new facilities is approved.	\$104,700
Ingot Department (Bldg. 34)	12-1-73 - Date by which all No. 352 cement should be flushed out of the system.	-0-
Potlining Demolition and Removal	2-1-76 - Date by which all asbestos pot insulation should be flushed out of the system.	-0-

LOCATION ROCKDALE WORKS

DATE May 7, 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.

<u>Material</u>	<u>Uses</u>
Marinite	Properzi spouts. HDC drop-in troughs. Trough dams. FDC ingot casting pot shells. FDC and HDC mold headers.
Asbestos Pipe Insulation	Steam pipes
Asbestos Cloth	Pot cover electrical insulation. Transite pipe joints. Fume duct joints. As pad cover when changing pot pluggers. As "back-up" material for gaskets.
Asbestos Packing	Water pumps and other equipment with packing glands.
Asbestos Washers	Insulation between superstructure and pot shell.
Asbestos Paper	Pot linings. Various insulation needs. Gasket between siphon and siphon head.
Asbestos Rope	Trough joints in Ingot. Ring furnaces in Carbon Plant Bus trenches in Potrooms.

ARD 007079

LOCATION ROCKDALE WORKS

DATE May 7, 1973

ASBESTOS COMPLIANCE QUESTIONNAIRE

III. Compliance, Page 2 - continued

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.

<u>Material</u>	<u>Uses</u>
Thermocouple Wire Insulation	Thermocouple leads
Asbestos Gloves and Mittens	Employees in Ingot, Potrooms, Carbon Rodding and Atomizer
Transite Pipe	All pot fume collection ducts from superstructure to main fume duct.
Millboard	Pot step insulation where step and bus touch. Portable handrails used by Potlining crews in Lines 7 and 8.
Asbestos Fiberboard	Insulation between pot cradle and pot shell
Silvabestos	Insulation of Properzi spouts
Asbestos tubing	Insulation for bolt-on pot poker roller brackets.

LOCATION _____ DATE _____

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.

LOCATION ROCKDALE WORKS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s): Mechanical Maintenance - Bldg. 44 and Bldg. 47

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

Marinite machining (Bldg. 44); Marinite cutting and sawing (Bldg. 47)

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

Centralize these operations so that all work will be performed under controlled conditions.

Date 5-1-73 Status:

RFA in Pittsburgh for approval

Date _____ Status:

Date _____ Status:

ARD 007082

LOCATION ROCKDALE WORKS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s): Mechanical Maintenance - steam pipes plantwide.

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

Asbestos steam line insulation

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

Seek substitute material for this operation

Date 5-1-73 Status:

Purchasing Department is seeking substitute material.

Date _____ Status:

Date _____ Status:

ARD 007083

LOCATION ROCKDALE WORKS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s): Potlining Demolition and Removal - Building 27

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

Johns-Manville Superex insulation

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

Johns-Manville is now supplying asbestos-free insulation. Estimate that since 2-1-73, no asbestos insulation has been installed. Estimate three years to flush old potlinings out of the system.

Date 5-1-73 Status:

No new linings installed with asbestos insulation since 2-1-73.
All dumping carried out on 12-8 shift during period of lowest area population.

Date _____ Status:

Date _____ Status:

AHD 007084

LOCATION ROCKDALE WORKS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s): Ingot Department

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

Asbestos shorts (Johns-Manville No. 352) used in packing trough joints.

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

Replacing No. 352 shorts with No. 375L which is asbestos free

Date 5-1-73 Status:

Purchase of No. 352 has been discontinued. Requirements being filled with No. 375L.

Date _____ Status:

Date _____ Status:

ARD 007085

LOCATION ROCKDALE WORKS

ASBESTOS COMPLIANCE STATUS SHEET

Work Area(s): Ingot Department

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

Old trough linings containing asbestos shorts must be demolished before new linings can be installed.

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

Substitute Johns-Manville 375L for Johns-Manville 352. During transition all trough linings will be soaked with water before demolition begins:

Date 5-1-73 Status:

Purchase of No. 352 Cement has been discontinued. New requirements being filled with No. 375L. Old linings should be flushed out by 12-1-73.

Date _____ Status:

Date _____ Status:

RESPIRATOR SELECTION CHART

Chemical Agent	Possible Locations	220-650-0010	220-650-0020	220-650-0030	220-650-0040	220-650-0050	220-650-0060	220-650-0070	220-650-0080	220-650-0090	220-650-0100	220-650-0110	220-650-0120	220-650-0130	220-650-0140	220-650-0150	220-650-0160	220-650-0170	220-650-0180	220-650-0190	220-650-0200	220-650-0210	220-650-0220	220-650-0230	220-650-0240	220-650-0250	220-650-0260	220-650-0270	220-650-0280	220-650-0290	220-650-0300	220-650-0310	220-650-0320	220-650-0330	220-650-0340	220-650-0350	220-650-0360	220-650-0370	220-650-0380	220-650-0390	220-650-0400	220-650-0410	220-650-0420	220-650-0430	220-650-0440	220-650-0450	220-650-0460	220-650-0470	220-650-0480	220-650-0490	220-650-0500	220-650-0510	220-650-0520	220-650-0530	220-650-0540	220-650-0550	220-650-0560	220-650-0570	220-650-0580	220-650-0590	220-650-0600	220-650-0610	220-650-0620	220-650-0630	220-650-0640	220-650-0650	220-650-0660	220-650-0670	220-650-0680	220-650-0690	220-650-0700	220-650-0710	220-650-0720	220-650-0730	220-650-0740	220-650-0750	220-650-0760	220-650-0770	220-650-0780	220-650-0790	220-650-0800	220-650-0810	220-650-0820	220-650-0830	220-650-0840	220-650-0850	220-650-0860	220-650-0870	220-650-0880	220-650-0890	220-650-0900	220-650-0910	220-650-0920	220-650-0930	220-650-0940	220-650-0950	220-650-0960	220-650-0970	220-650-0980	220-650-0990	220-650-1000	220-650-1010	220-650-1020	220-650-1030	220-650-1040	220-650-1050	220-650-1060	220-650-1070	220-650-1080	220-650-1090	220-650-1100	220-650-1110	220-650-1120	220-650-1130	220-650-1140	220-650-1150	220-650-1160	220-650-1170	220-650-1180	220-650-1190	220-650-1200	220-650-1210	220-650-1220	220-650-1230	220-650-1240	220-650-1250	220-650-1260	220-650-1270	220-650-1280	220-650-1290	220-650-1300	220-650-1310	220-650-1320	220-650-1330	220-650-1340	220-650-1350	220-650-1360	220-650-1370	220-650-1380	220-650-1390	220-650-1400	220-650-1410	220-650-1420	220-650-1430	220-650-1440	220-650-1450	220-650-1460	220-650-1470	220-650-1480	220-650-1490	220-650-1500	220-650-1510	220-650-1520	220-650-1530	220-650-1540	220-650-1550	220-650-1560	220-650-1570	220-650-1580	220-650-1590	220-650-1600	220-650-1610	220-650-1620	220-650-1630	220-650-1640	220-650-1650	220-650-1660	220-650-1670	220-650-1680	220-650-1690	220-650-1700	220-650-1710	220-650-1720	220-650-1730	220-650-1740	220-650-1750	220-650-1760	220-650-1770	220-650-1780	220-650-1790	220-650-1800	220-650-1810	220-650-1820	220-650-1830	220-650-1840	220-650-1850	220-650-1860	220-650-1870	220-650-1880	220-650-1890	220-650-1900	220-650-1910	220-650-1920	220-650-1930	220-650-1940	220-650-1950	220-650-1960	220-650-1970	220-650-1980	220-650-1990	220-650-2000	220-650-2010	220-650-2020	220-650-2030	220-650-2040	220-650-2050	220-650-2060	220-650-2070	220-650-2080	220-650-2090	220-650-2100	220-650-2110	220-650-2120	220-650-2130	220-650-2140	220-650-2150	220-650-2160	220-650-2170	220-650-2180	220-650-2190	220-650-2200	220-650-2210	220-650-2220	220-650-2230	220-650-2240	220-650-2250	220-650-2260
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ARD 007087