

ASARCO

December 21, 1995

Technical Services Center
R.A. Peterson
Director
D.E. Holt
Engineering Manager
J.B. Richardson
Environmental Sciences Manager
M.G. King
Research Manager

PLAINTIFF'S EXHIBIT

ASA-858

Ms. Peggy Munsell
EL PASO PLANT

Please find attached the analytical results for the bulk asbestos samples received 12/08/95 under Project No. ASB 1195.

The bulk asbestos has been analyzed by visual estimation based on EPA-600/M4-82-020 (Dec. 1982) optical microscopy test method.

I can be reached at Ext. 240 if you have any questions or comments.



T.J. Jacobi
Chemist

cc: SGCothrin (w/attach.)
GRStanga "



EXHIBIT

Plaintiffs
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ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

E1 Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L952744

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	MO/DY
L952744-1	01-DEC-95	RVB-12 3" Pipe Insul.	AMOSTE	15	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	2	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-2	01-DEC-95	RVB-13 3" Pipe Insul.	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	11	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-3	01-DEC-95	RVB-14 Furnace Flue	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	ND	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-4	01-DEC-95	RVB-15 South Preheater	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	ND	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-5	01-DEC-95	RST-1 Gasket	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	50	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-6	01-DEC-95	RST-2 Rope	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	ND	%	WCD	15-DEC-95	600/M4-82-020
			CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREM/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020
L952744-7	01-DEC-95	HL-1 Belt JS Sliding	AMOSTE	ND	%	WCD	15-DEC-95	600/M4-82-020
			ANTHOP	ND	%	WCD	15-DEC-95	600/M4-82-020
			CHRS	20	%	WCD	15-DEC-95	600/M4-82-020

ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L952744

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE	HOLD
							ANALYZED	DAYS
L952744-7	01-DEC-95	HL-1 Belt 15 Siding	CROCID	ND	%	WCD	15-DEC-95	600/M4-82-020
			TREN/ACT	ND	%	WCD	15-DEC-95	600/M4-82-020

ND = None Detected

Approved
Reviewer

DIXON INFORMATION INC.

MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING

A.I.H.A. ACCREDITED LABORATORY #10847

NVLAP CODE 101012

December 15, 1995

Mr. Tim Jacobi
ASARCO Technical Services Center
3422 South 700 West
Salt Lake City, Utah 84119

Ref: Batch #33296, Lab #A21115-A21121
Received December 11, 1995
B094-1681
Project: 3211
Account: 7819 El Paso

Dear Mr. Jacobi:

Samples A21115 through A21121 have been analyzed by visual estimation based on EPA-600/M4-82-020 December 1982 optical microscopy test method including phase contrast, polarized light, dispersion staining, and stereo microscopy. Accuracy increases with increasing asbestos concentration.

If these samples are related to a demolition or are subject to NESHAPS 40CFR part 61 regulations, these regulations mandate that any sample containing less than 1% asbestos must be analyzed by point count. If asbestos is reported to be between 1% and 10%, see EPA "Clarification of asbestos NESHAP requirements to perform point counting" (copy available).

This report relates only to the items tested. This report must not be used to claim product endorsement by the NVLAP, the National Institute of Standards and Technology, or any agency of the U.S. Government. The results of analysis are as follows:

Lab A21115, Field L952744-1 Bulk Asbestos

This is 2% chrysotile asbestos and 15% amosite asbestos in gray and white plaster.

Lab A21116, Field L952744-2 Bulk Asbestos

This sample contains three types of material: The first type is green paint; the second type is 20% chrysotile asbestos in black binder; the third type is 10% chrysotile asbestos and 60% rockwool in light gray binder. This sample is non-homogeneous. The overall asbestos concentration is 11%.

The first type is 1% of the sample. The second type is 9% of the sample. The third type is 90% of the sample.

78 WEST 2400 SOUTH SOUTH SALT LAKE, UTAH 84115-3013

PHONE 801-486-0800 • FAX 801-486-0849 • RES. 801-583-1840

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Lab #A21115-A21121
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Lab A21117, Field L952744-3 Bulk Asbestos

This is 8% glasswool in light gray binder. Asbestos is none detected.

Lab A21118, Field L952744-4 Bulk Asbestos

This sample contains five types of material: The first type is gray paint; the second type is cross woven fiberglass bundles; the third type is 5% plant fiber in off-white plaster with a trace of green paint; the fourth type is 5% plant fiber and 2% synthetic fiber in white plaster with a trace of green paint; the fifth type is black tar binder with 5% wollastonite. This sample is non-homogeneous. Asbestos is none detected.

The first type is 2% of the sample. The second type is 8% of the sample. The third type is 40% of the sample. The fourth type is 45% of the sample. The fifth type is 5% of the sample.

Lab A21119, Field L952744-5 Bulk Asbestos

This is 50% chrysotile asbestos in hard, white binder with rust.

Lab A21120, Field L952744-6 Bulk Asbestos

This is woven fiberglass with a light coating of gray particulate. Asbestos is none detected.

Lab A21121, Field L952744-7 Bulk Asbestos

This is 20% chrysotile asbestos in gray cement. This sample is non-homogeneous.

Very truly yours,

Willard C. Dixon

Willard C. Dixon

Analyst: Qiangmin Li *Qiangmin Li*

Analyst: Steven H. Dixon *Steven H. Dixon*

Date: December 15, 1995