

ASARCO

PLAINTIFF'S EXHIBIT

ASA-861

June 17, 1997

Ms. Peggy Munsell
EL PASO PLANT

Please find attached the analytical results for the bulk
asbestos samples collected 05/30/97.

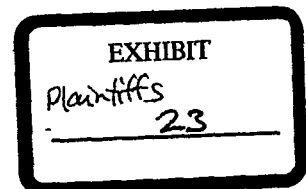
The bulk asbestos have been analyzed by visual estimation
based on EPA-600/M4-82-020 (Dec. 1982) optical microscopy test
method.

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



T.J. Jacobi
Chemist

cc: SGCothrin (w/attach.)
GRStanga "



ASARCO TECHNICAL SERVICES CENTER
ANALYTICAL DATA REPORT

E1 Paso

Water and Solid Waste (Project 3220)

Batch No: L971254

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L971254-1	30-MAY-97	CTT 23-A	Mastic Converter Cottrell east side	AMOSTE	ND	WCD	09-JUN-97	600/M4-82-020
				ANTHOP	ND	WCD	09-JUN-97	600/M4-82-020
				BULK ASBES	10	WCD	09-JUN-97	600/M4-82-020
				CHRYL	10	WCD	09-JUN-97	600/M4-82-020
				CROCID	ND	WCD	09-JUN-97	600/M4-82-020
				TREM/ACT	ND	WCD	09-JUN-97	600/M4-82-020
L971254-2	30-MAY-97	CTT 23-B	Mud Converter Cottrell east side	AMOSTE	ND	WCD	09-JUN-97	600/M4-82-020
				ANTHOP	ND	WCD	09-JUN-97	600/M4-82-020
				BULK ASBES	ND	WCD	09-JUN-97	600/M4-82-020
				CHRYL	ND	WCD	09-JUN-97	600/M4-82-020
				CROCID	ND	WCD	09-JUN-97	600/M4-82-020
				TREM/ACT	ND	WCD	09-JUN-97	600/M4-82-020
L971254-3	30-MAY-97	CTT 24-A	Mastic Converter Cottrell East side	AMOSTE	ND	WCD	09-JUN-97	600/M4-82-020
				ANTHOP	ND	WCD	09-JUN-97	600/M4-82-020
				BULK ASBES	ND	WCD	09-JUN-97	600/M4-82-020
				CHRYL	ND	WCD	09-JUN-97	600/M4-82-020
				CROCID	ND	WCD	09-JUN-97	600/M4-82-020
				TREM/ACT	ND	WCD	09-JUN-97	600/M4-82-020
L971254-4	30-MAY-97	CTT 24-B	Mud 1)	AMOSTE	ND	WCD	09-JUN-97	600/M4-82-020
				ANTHOP	ND	WCD	09-JUN-97	600/M4-82-020
				BULK ASBES	ND	WCD	09-JUN-97	600/M4-82-020
				CHRYL	ND	WCD	09-JUN-97	600/M4-82-020
				CROCID	ND	WCD	09-JUN-97	600/M4-82-020
				TREM/ACT	ND	WCD	09-JUN-97	600/M4-82-020

ND = None Detected

Approved: 
Revised: 

DIXON INFORMATION INC.

MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING

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

NVLAP CODE 101012-0

June 9, 1997

Mr. Vince Keller
ASARCO
3422 South 700 West
Salt Lake City, Utah 84119

Ref: Batch #38596, Lab #AS180-AS183
Received June 6, 1997
El Paso
Proj #3220, Acct #7819, PO #BO-SG-020

Dear Mr. Keller:

Samples AS180 through AS183 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 AS180, Field L971254-1 Mastic

This sample contains two types of material: The first type is 10% chrysotile asbestos in black tar and binder; the second type is 10% wollastonite in black tar and binder. This sample is non-homogeneous. The overall asbestos concentration is 10%.

The first type is 98% of the sample. The second type is 2% of the sample.

Lab AS181, Field L971254-2 Mud

This is 25% mineral wool in off white plaster. Asbestos is none detected.

Lab AS182, Field L971254-3 Mastic

This is 10% wollastonite in black tar and binder with a thin layer of tan plaster with 20% mineral wool and 2% plant fiber on one side. Asbestos is none detected.

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

Batch #38596
Lab #AS180-AS183
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Lab AS183, Field L971254-4 Mud

This sample contains two types of material: The first type is 25% mineral wool and 5% plant fiber in tan plaster; the second type is 10% wollastonite in black tar and binder. This sample is non-homogeneous. Asbestos is none detected.

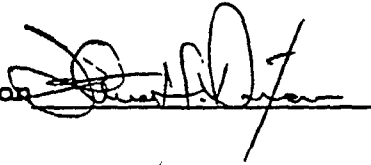
The first type is 90% of the sample. The second type is 10% of the sample.

Very truly yours,

Willard C. Dixon

Willard C. Dixon

Analyst: Steven H. Dixon



Date: June 9, 1997