PLAINTIFF'S EXHIBIT

ASA-1499

ASARCO

October 31, 1995

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EL PASO PLANT

Please find attached the analytical results for the bulk asbestos samples received 10/20/95 under Project No. ASB 1095.

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:

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ASARCO TECHNICAL SERVICES CENTER

ANALYTICAL DATA REPORT

El Paso

Industrial Hygiene (OSHA) (Project 3211)

Batch No: L952359

LAB NO	DATE COLLECTED	DESCRIPTION	PARAMETER	VALUE	UNITS	ANALYST	DATE ANALYZED	HOLD DAYS	METHOD
L952359-1	01-SEP-95	WH-01 Pipe Wrap	BULK ASBES	20	%	WCD	26-OCT-95		600/M4-82-020
L952359-2	01-SEP-95	Main-02 Engineer Vinyl Floor	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-3	01-SEP-95	Main-03 Lobby Vinyl Floor	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-4	01-SEP-95	Elec-07 Pipe Elbow	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-5	01-SEP-95	Env-05 Brown Vinyl Floor	BULK ASBES	26	%	WCD	26-OCT-95		600/M4-82-020
L952359-6	01-SEP-95	Env-06 Yellow Vinyl Tile	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-7	01-SEP-95	Clin-02 12x12 Floor Tile	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-8	01-SEP-95	Clin-03 Lobby Vinyl Tile	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-9	04-OCT-95	Boil-01 NR Cement	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-10	28-SEP-95	Mach-01 Tank Insulation	BULK ASBES	10	%	WCD	26-OCT-95		600/M4-82-020
L952359-11	28-SEP-95	Conv-01 Pipe Elbow	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020
L952359-12	28-SEP-95	Conv-02 Pipe Elbow	BULK ASBES	ND	%	WCD	26-OCT-95		600/M4-82-020

ND = None Detected

Ken Bilak
Approved

Jodie Vaynes
Reviewer

ASARCO ELP 0014969

DIXON INFORMATION INC.
MICROSCOPY, ASBESTOS ANALYSIS & CONSULTING
A.I.H.A. ACCREDITED LABORATORY #10847
NVLAP CODE 101012

October 26, 1995

ASARCO Technical Services Center
3422 South 700 West
Salt Lake City, UT 84119

Ref: Batch #32722 Lab #A20942-A20953
Received October 20, 1995
Project : 3211
Account: 7819- El Paso

Sample A20942 through A20953 have been analyzed by visual estimation based on EPA-600/M4-82-020 Dec. 1982 optical microscopy test method including phase contrast, polarized light, dispersion staining, and stereo microscopy. Accuracy increases with increasing asbestos concentration.

If this sample is related to a demolition or is 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 item 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 result of analysis is as follows:

Lab A20942, Field L952359-1 WH-01
This sample contains two layers: The first layer is 40% chrysotile asbestos and 20% plant fiber in brown binder with 5% fiberglass bundles; the second layer is 10% fiberglass bundles in black binder. This sample is non-homogeneous.
The first layer is 50% of the sample and the second layer is 50% of the sample.

Lab A20943, Field L952359-2 MAIN-02
This sample contains four layers: The first layer is transparent plastic with debris; the second layer is white foam plastic with a brown and gray print; the third layer is 35% plant fiber in micaceous binder; the fourth layer is brown resin mastic with compressed wood fiber. This sample is non-homogeneous.
Asbestos is none detected.
The first layer is 20% of the sample, the second layer is 10% of the sample, the third layer is 55% of the sample, and the fourth layer is 15% of the sample.

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Lab A20944, Field L952359-3 MAIN-03
This sample contains two layers: The first layer is light pinkish-gray plastic and limestone; the second layer is 30% plant fiber and 5% fiberglass in off-white binder. This sample is non-homogeneous.
Asbestos is none detected.
The first layer is 50% of the sample and the second layer is also 50% of the sample.
Note: No mastic.

Lab A20945, Field L952359-4 ELEC-07
This is 30% rockwool in off-white plaster with a trace of cotton fiber.
Asbestos is none detected.

Lab A20946, Field L952359-5 ENV-05
This sample contains three layers: The first layer is transparent plastic; the second layer is white foam plastic with a brown print; the third layer is 65% chrysotile asbestos and 10% plant fiber in off-white binder with yellow mastic and debris. This sample is non-homogeneous.
The overall asbestos concentration is 26%.
The first layer is 30% of the sample, the second is 30%, and the third layer is 40% of the sample.

Lab A20947, Field L952359-6 ENV-06
This sample contains four layers: The first layer is transparent plastic with debris; the second layer is white foam plastic with a brown print; the third layer is 30% plant fiber and 15% synthetic fiber in off-white binder with fine mica flakes; the fourth layer is compressed plant fiber. This sample is non-homogeneous.
Asbestos is none detected.
The first layer is 15% of the sample, the second is 15%, the third is 35% and the fourth layer is 35% of the sample.

Lab A20948, Field L952359-7 CLIN-02
The container has two samples: The first sample is a gray plastic and limestone tile with debris. Asbestos is none detected.
Note: No mastic.
The second sample contains four layers: The first layer is transparent plastic; the second layer is white foam plastic with a brown print; the third layer is 30% plant fiber and 2% fiberglass in yellow binder with fine mica flakes; the fourth layer is white plaster with brown resin mastic. This sample is non-homogeneous.
Asbestos is none detected.
The first layer is 25% of the sample, the second is 25% of the sample, the third is 40% and the fourth layer is 10% of the sample.

Lab A20949, Field L952359-8 CLIN-03
This sample contains four layers: The first layer is transparent plastic; the second layer is white foam plastic with a brown print; the third layer is 20% plant fiber and 10% fiberglass in yellow binder with fine mica flakes; the fourth layer is white plaster with brown mastic and debris. This sample is non-homogeneous.
Asbestos is none detected.
The first layer is 20% of the sample, the second layer is 20% of the sample, the third layer is 45% of the sample and the fourth layer is 15% of the sample.

Lab A20950, Field L952359-9 BOIL-01
This is sandy, gray cement with 5% plastic fiber.
Asbestos is none detected.

Lab A20951, Field L952359-10 MACH-01
This sample contains three types of material: The first type is a silver color coating; the second type is 8% chrysotile asbestos and 65% rockwool in off-white binder; the third type is 30% chrysotile asbestos in off-white plaster. This sample is non-homogeneous.
The overall asbestos concentration is 10%.
The first type is 1% of the sample, the second type is 89% of the sample, and the third type is 10% of the sample.

Lab A20952, Field L952359-11 CONV-01
This is 5% fiberglass in brown binder with perlite.
Asbestos is none detected.

Lab A20953, Field L952359-12 CONV-02
This is 10% fiberglass and 10% plant fiber in gray plaster.
Asbestos is none detected.

Very truly yours,

Date:October 26, 1995